

# THE AMERICAN ARCHITECT AND BUILDING NEWS.

VOL. II.]

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[NO. 105.]

BOSTON, DECEMBER 29, 1877.

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The destruction of Greenfield's candy-factory in New York proves one of the most puzzling as well as the most fatal of the fatal accidents to buildings which it has nowadays become a habit to record. A sudden explosion at about five o'clock in the afternoon tore away the front of the building; the interior took fire immediately, the floors went down, and in very little time the whole was burned. Of the one or two hundred persons in and about the building at the time, several are known to have been killed, and many others are wounded or missing. Until the official investigation into the disaster is finished we probably cannot be sure what caused it,—perhaps not then. The first theory, that it was a boiler-explosion, was disproved by finding that the boilers, which stood under the sidewalk, were uninjured. That the explosion was not in the basement or ground-floor seems clear from the fact that the persons on that floor got out with comparatively small injuries, and declare for the most part that the fire and *débris* seemed to come from above. The evidence is that the front was blown out laterally, probably from an explosion in a story above the first. Passers-by were buried in the rubbish thrown across the street. Those who came up first report that they saw the different upper floors exposed and people running about on them in disorder. Two witnesses testify to having seen a great ball of fire shoot high into the air,—possibly a mass of illuminated smoke, for it was dusk, such as often follows a confined explosion. The natural suggestion is that some explosive vapor, or an equivalent for it, had been generated in the process of manufacture; this may have been set on fire by the lamps, which must have been freshly lighted. There is a report, in fact, that two workmen declared that the fire began by the upsetting of a lamp in the starch-room, where finely-powdered starch was used in the manufacture of gum-drops. It is a fact that the dust of fine flour makes an explosive atmosphere. Severe explosions have occurred in flour-mills in Hungary, where very fine milling is done, the air being filled with fine particles of starch, which are decomposed almost as quickly as gunpowder. A good many more or less volatile essences, used in making candies, may have added to the danger. Until evidence can be taken as to what was going on in different parts of the building and just what substances were in use, and the people who were rescued from the various stories are examined, we shall perhaps get no further than these conjectures. Thus far there seems to be very little evidence from anybody who was in the upper part of the building. The accident may at least serve to remind us that after all candy-making is one of the businesses of more than common danger, and should be carried on under exceptional safeguards. In this case it seems to have been done with great carelessness. Both the engineer and his boiler were at least looked upon with suspicion, it is said; the building was evidently very inflammable in its construction,—it was not destroyed by the explosion, but was burned with surprising rapidity,—and to make things as bad as possible, it was lighted with kerosene.

THERE is a story in the New York papers that the problem of rapid transit is to be solved for the people of that city in an unexpected way by aid from without. It is said that certain Londoners, stockholders in the underground railways that have proved so successful in London, after carefully considering the case of New York, have formed a company to build such a road there. The suggested line of the road is parallel with Broadway on the east side, and extending, for the present at least, only from the Battery to Forty-second Street. An underground railroad has been one of the means proposed before for transit in New York; but so far as we know, there has not heretofore been any serious attempt to secure one. The "lay" of the city is peculiarly well suited for such a railroad, the whole travel being up and down one line. The road in London has been successful enough to encourage copying it elsewhere. It is not a very comfortable, or except for the quickness of the passage, a very wholesome means of travel, but it is run with a promptness and precision that surprise the traveller, and make it, in spite of its circuitous route, extremely convenient to residents. In New York its quickness and directness would doubtless make it very popular; and the comfort could not be less than that of crowded horse-cars. It would at least avoid that dread which we should think would continually overhang the dwellers under the line of the elevated railroad. At the same time it might prove very difficult to construct if, as we suppose, there is a good deal of ledge in the way below the surface. The buildings in the neighborhood of Broadway are carried deep into the ground; and to pass under them the road would have to go far down where blasting would be very costly and difficult, if not hazardous.

THE Rome correspondent of the Boston *Daily Advertiser* gives a curious account of the discovery of old MSS. and other things of historical interest in the *Collegio Romano*, the famous Jesuit college at Rome. When at the time of the recent sequestration of church property and the suppression of the Jesuits, the Italian government took possession of the college, they found that many valuable articles, recorded on the catalogues of the library and of the famous Kircherian Museum, were missing. Interrogation of the Jesuit fathers failed to discover any of these things; and they were given up as lost or at least irrecoverable. But a short time ago two ex-Jesuit *frati* offered to show the government where the Order had concealed its treasures before abandoning the building. Accordingly under their guidance the officers of the government found in an upper chamber of the college, between the floor and the ceiling of the room below, a collection of some four thousand old MSS., books, maps, and valuables. Among them was a copy of the constitution of the Society of Jesus, beautifully printed on parchment in 1593, the only one known to exist. There was also a *Florilegium*, or collection of colored drawings of garden flowers, very carefully and skilfully made, it is said, and bearing date 1678. A rich and curious map-case was found, a cylindrical box of stamped leather opening at the end, with hinge and lock, and enclosing three cylindrical sheaths in which were maps, the oldest of them dated 1455, of the kind called *portolani*, that is, having the seaports prominently displayed. The betrayers of this hiding-place profess not to have found in it what they expected; and since many valuables which are known to have been in the college are still unfound, it is believed that many remain hidden away. The thick walls of the Roman buildings, and the intervals between the brick-arched ceilings and the wooden floors above them, give unlimited opportunities for concealment; but since interrogations and judicial inquiries fail to draw any information from the Jesuit chiefs, there would seem to be no alternative but either to pull the college to pieces in a random search, or to await the result of accident.

A SHORT time ago Mr. White, R. I. B. A., from whose earlier paper on French houses we quoted some time ago, read before the Institute a second, in which he urged the adoption in London of the system of apartment houses. He took for an example a block or square between four streets, fronting

on Regent Street, with an area of 220 by 100 feet, and belonging chiefly to the Crown. At present the block is covered by a series of shops seventeen feet wide, a dozen on each principal street, and each shop with a house over it. The street-fronts on the side streets are filled in with a house or two, so that there are in all twenty-six inferior houses with some hundred and fifty rooms, and twenty shops, in this block on the most fashionable business street in London; the inner yards, shut in from all the streets, being covered mostly with additions to the shops. Each house has its entrance on the street, which therefore cuts off something from the frontage of the shops. For this, Mr. White proposed a plan which divided the whole block into three parts by party-walls, putting on each a house of apartments varying in number of rooms from five to fourteen, or in all one hundred and thirty rooms. In each division was an interior court, and wide archways gave access and circulation of air from the streets. The number of shops thus provided was about the same as by the present plan; and owing to suppression of the front doors of the houses the street frontage of the shops was very nearly the same as before, although he had so set back his walls as to lose thirty feet of the perimeter of his block for the sake of widening his streets. In addition to this, most of the shops were provided with a *mezzanine*, or half-story, and a basement, both of which they had lacked before. The accommodation thus presented seemed from the accounts given to be distinctly better than that which it was proposed to replace; the rooms confessedly superior, grouped into more satisfactory tenements, and better arranged for access, light, and air, while the arrangement for shops was more advantageous both for room and display. The prominence of the example chosen and the definiteness of the improvement proposed gave Mr. White's project the importance of a test case. The question of the adoption of some such change in the accepted ways of building is becoming more and more urgent in London as it appears clearer that the present ways do not suit the demand.

THE English building journals which have last come to hand contain reports of the discussion at the Royal Institute of British Architects on Mr. White's paper, which show the interest that is excited among English architects by the question of introducing "flats" or apartment houses into London. There is ample reason for raising the question, for the average Londoner, we are inclined to believe, is worse housed than the dwellers in any other great and active modern city. A good deal was said in the course of the discussion to favor Mr. White's idea of building in flats, but the general feeling seemed to be one of conservative distrust. Different objections were raised, of more or less weight, — the high rents which apartments in such houses are expected to bring; the fact that the use of such houses in the Scotch cities where the system had been common was diminishing rather than increasing; the inconvenience of having the foot-pavements crossed by carriages entering and leaving the court-yards. The President thought that the French system as displayed in Mr. White's plans allowed too little room for domestic service; and one member did not see what could be done in such apartments in this respect, unless they were all to turn French cooks — than which, the foreigner who is experienced in English dinners may think, worse things could happen. The serious objections which were urged against adopting the system itself, apart from the special form in which Mr. White's plans presented it, seemed to resolve themselves into two, — that it was not in accordance with English habits of life; and that the tenure of land in London, the ground being let out in small lots on ground-leases, was opposed to it.

THE first obstacle is one which may be expected to disappear in England, and in our own country, where somewhat analogous conditions prevail though in a less degree, as fast as experience can be made to show that a new system is really adapted to the real requirements of modern city-life. President Barry objected that what Mr. White proposed would revolutionize not only the Englishman's house but his mode of life. No doubt this is true; yet it is the natural tendency of men to adjust their modes of life to the outside conditions that surround them, and to this the firmest tradi-

tional habits give way in time, with more or less rapidity, according to the natural pliability of a people. The ruling requirements of modern city habitations are the special ones for the average city man, nearness to places of business and amusement, convenient provision of water, gas, and sewage; and the universal ones, economy of space and of building-materials, access of light and air. The special ones are obviously best secured by compactness of housing, bringing as far as possible business, amusement, and dwellings upon the same area, which is most directly accomplished by putting one over the other in different stories, as is done in most great Continental cities. There will probably always be many people whose tastes and power of living as they please will lead them to choose separate houses more or less outside the crowd; but as long as city life continues as engrossing and active as it is now to business-men and many others, it is likely that the tendency to the more compact ways of living will grow among the masses of city people. The great increase of hotel boarding in late years is the extreme manifestation of this tendency, for which apartment houses offer a better provision. The trouble has been in American cities thus far that disproportionately high rents have been expected for suites in such houses; but this does not seem to be a necessary condition. In the abstract there seems a natural economy both of space and building-materials in favor of the apartment system. Floors are cheaper integuments than walls; and by laying houses on their sides, one upon another, the shell of each is made to contain a greater proportion of floor and less of wall than when they are set upright side by side. Instead of four stories of stairs, single or double, it is necessary to provide only one. Halls and corridors are diminished in proportion. As for light and air, it is clear that in densely compacted areas of building the advantage ought to be on the side of apartments, for the portions of space that can be assigned to these for each house are made much more efficient by being thrown together in large areas, than when they are cut up into small wells. Here seems to be the essence of the question of economy, and the actual result seems elsewhere to have corresponded to these indications; if it has not yet done so with us, it is because the problem has been insufficiently studied, or because the apartment houses have been of a more expensive class than the average private houses. That they require to be better built than the common cheap contract houses in cities, is doubtless true; but to one who believes in thorough building this is not an objection.

THE second obstacle, the system of ground rents which is customary in London, is seriously in the way of this or any other kind of improvement, and deserves the attention of those cities in the United States, Philadelphia especially, where a like system is common. The land, of which a large share belongs to the entailed estates of great noblemen, is apt to be cut up into little lots of twenty feet front or so. These are let out separately on long leases to tenants who build on them subject to the approval of the landlords. This tends to a conservative policy in building, which does not meet the wants of the time. The tenant who must for his own needs build him a shop is compelled by the landlord to put a house of the ordinary type over it, and then finds that it commands little or no rent. It is said that there is a very large number of such houses in the middle of London for which proper tenants cannot be found. Under such circumstances the lessee is tempted to build as slightly and cheaply as the vigilance of the landlord will allow. Since the house goes with the land at the expiration of the lease, there is no inducement for the tenant to keep it in condition except so far as he is compelled to; and as a matter of fact a great many of the buildings on these great estates in the heart of London are in a condition which a thrifty American would resent as a disgrace. Some time ago, Mr. White says he appealed to the Duke of Bedford to allow some changes in the treatment of his London estates. Mr. White found that the duke's agent's idea of the proper building for a London lot was "a house sixty feet high, supported on a shop eighteen feet wide;" and this on or near the Strand. But of late years concession had sometimes gone so far that a tenant who had hired two adjoining lots had been allowed, though he was compelled to build a party-wall between them, to cut a door through that wall, and connect his two houses. The most formidable obstacle

to improvement, however, is the fact that, the lots being parcelled out in separate leases, these leases do not expire together, so that the difficulty of throwing lots into one for any well-considered scheme of general improvement is very great. We have already spoken of the difficulty which this system of leasing the ground has opposed to the effort of the Institute to secure a reasonably consistent treatment of the frontages on the great new thoroughfare, Northumberland Avenue.

## VITERBO.

[Illustrated.]

ONCE Viterbo lay on the regular road between Rome and the north; but now the train leaves the traveller at the little station of Orte, whence the diligence takes him the rest of his journey across the Ciminius hills.

The town of Orte itself is not visible from the station, but is reached by steep roads winding through olive orchards and vineyards. Scattered up the side of one hill are wayside shrines that border the road to what seems a chapel at the summit; while farther on, perched on the crest of brown, straight, buttressed cliffs, the old town topples over the turns of the road, and, like many Italian cities, is so brown and gray and weather-stained that it seems a natural growth on the hill-top which its threatening sides crown. It is peaceful enough to-day, a February sun bathing the slopes where women in the laced bodices common to the neighborhood are hard at work at that perpetual but apparently futile washing to be seen throughout Italy. The banks are strewn with the drying clothes, while the washerwomen twirl the yarn from their distaffs and gossip with their neighbors, or file up the fields with the baskets of clothes on their heads. Black-skirted priests meet on the road and embrace each other, and here and there we encounter ponderous gens d'armes, and countrymen wrapped in great cloaks that fall with the folds of classic drapery. Our horses are driven with rope reins, but are decked with great red tassels at their ears, and jingling bells,—“to sound,” the driver explains; and they do sound very cheerily in the winter morning.

The road winds up among the hills by the quarries where blocks are cut for the new buildings in Rome; and as the morning passes we reach high land, a flank of the Mons Ciminius, which dotted with cloud-shadows rises near us. Here in the oak woods, on whose boughs the russet leaves of last year still hang, we overtake a party of contadini astride of donkeys; and after much chattering and leave-taking some of them join us.

Bagnaia is the only town we pass through. It clings to the hill-side, and we dash up its narrow, black, noisome streets, and out upon its little piazza to find the carnival in full blaze. A grim old castle forms one side of the piazza; and its round machicolated tower looks down on a lively crowd of maskers, who in all sorts of costume, shouting and chaffing each other, encircle the piazza in procession, while in one corner gently patter the waters of a great Renaissance fountain. So by sunset we reach the gates of Viterbo, and with cracking whip rattle up its stony streets to the inn.

The buildings are mainly of dark volcanic stone, gray and black, and the sunlight straggles into its narrow, steep, tortuous streets with some difficulty even at noon; but this city of fountains is picturesque enough by night or day; and groping that evening through the dusky lanes that are often arched over by the crowded houses, I was enticed on by the gentle spatter of running waters from one fountain to another. It is however as a pretext for designing the fountains that this fine supply of water has been chiefly useful. I saw but little other effect of it; and when the old servant at the inn disposed of the water left in the bowl by the previous occupant, on the tile-floor of the adjoining room, and felt that every thing possible had been done for my comfort, it seemed to me that the inhabitants undervalued their privileges.

Viterbo is crammed with “bits” to please an artist. The fountains are picturesque; but to go from one to another you pass through steep, ill-kept, arched streets fascinating enough in themselves. Here and there are remains of the square war towers that once were found in most Italian cities, and that now lean over Bologna, and of which ten or more still crown the hill of San Gemignano. The buildings of most Italian cities are marked by local peculiarities. Often, as at Siena and Orvieto, they follow the type of the great city palaces; but here, where there are no great buildings to imitate, the outside entrance steps give a character of their own to the houses, which are mainly at one scale and suited to the needs of modest nobles or prosperous merchants.

Half way up the wide hospitable steps that run along the house wall, is a door in a stone frame which seems to block the promised welcome, while for those who pass it a balcony is bracketed out from the main landing opposite the real house door. Here the women knit, and the children peck at the stranger who sketches them. Beneath the balcony, carts are stored and the cellar is entered, while at its side is perhaps a shrine and a lantern; for the march of improvement has not led to what I elsewhere recall,—a gas-lamp piously placed before a street shrine. Over and over again one meets this type of entrance, rich and plain. At the palazzetto it is the frontispiece to a dignified round-arched twelfth-

century house, and from that other examples occur leading down to a late period of the Renaissance.

At the Gatteschi fountain which Nesfield sketched and Verdier and Cattois have illustrated, one notes the firm, clean central shaft, the bracketed bowls of the choicest contour, and the refined Gothic lettering, while the water starting from lions' heads below the shaft crosses the great basin through ancient bronze conductors to within reach of the water-carriers. In another street a little jet flows into a basin from a pinnacle set on another foliage-crowned shaft. Again, a great stately Palladian fountain with many ranges of steps and succeeding pools forms the centre of a large, lonely square, which is the more tranquil by contrast with the rattling drumming on the neighboring parade.

The town is crowned with church towers, coursed with colored masonry, roofed with a cone of tiles, and with meagre tracery in the openings; while on the hill-top, hard by the cathedral tower, is the ruined palace of the bishops, with a great arched entrance, stone stairs, and a fountain in the hall. Its lofty side is propped by huge flying buttresses, completely spanning the lane that skirts the great building and descends into the valley.

Wandering on in the midst of a tangle of alleys and arched byways, one enters a little piazza that seems like a scene set for the stage. Several alleys more or less arched converge in the little place, which is draped with the underclothing of the neighborhood. One side is formed by what must once have been one of the great houses. The staircase is not outside, but apparently runs on the inside of the wall, its landing being arched to the open air by a very wide segmental arch enriched with dog-tooth, while a great bracketed balcony beneath it projects from this loggia into the square itself. By its side is another similar entrance, while yet another side of the place is formed by an arched portico, and then the lanes that meet here go off under other vaults, and to other steps and turnings.

To a student of architecture, fresh from Rome, nothing could be more enchanting than all this well-preserved mediæval city. In Rome, with all its interests, one is burdened with antiquity. Pre-historic times, Pagan Rome, the Dark Ages, the Renaissance, and the fertile fancy of Bernini, all seem leagued to bewilder him. What one set up, the other has knocked over and turned to his own use. It is therefore vastly refreshing suddenly to find one's self amid surroundings of such perfect harmony. The details are of that firm and noble character to be seen at San Gemignano, and in a measure at Verona; not the twisted and braided shafts of Orvieto and Siena, nor the unbuttressed, cusped arches of Venice. These hardly occur; but plain shafts carry the weights, and the arches are more often round than pointed. It is a city too of stone building, and it is this that gives it its dignified character. The stone is apparently very hard; for there is little or no foliage carving, although a rich six-leaved dog-tooth serves frequently for enrichment. The work seemed like the round-arched work at Verzelay, or the stone-work of Perigueux, but more choice; and in the enthusiasm of a holiday this little unscathed city of the twelfth century seemed in point of picturesqueness and preservation to be to its neighborhood what Chester and Rouen are to theirs.

But it is not as a perfectly unchanged mediæval town alone that Viterbo interests the architect. There is little, it is true, to be seen there to suggest its close connection with a vast antiquity; nor does the town contain many memorials of the Rasena as they called themselves, or the Etruscans as we know the race that once ruled the plains around the city. Here through many centuries of national existence lived and flourished a people that gave in great measure to Rome her priesthood, her state-craft, and even her early kings, and who in turn fell before her growing rival, and has been almost blotted from men's thoughts. Their successors on the soil seemed however to care little about these great ancestors; while I, fresh from such fragments of Dennis and Mrs. Gray, Taylor and the rest, as I could lay hands on, was deeply interested in them.

Was Virgil right, and did Æneas and his wandering band stand for the great migration from the shores of Lycia of a race that subdued both a previous Pelagic one and the aborigines that they had conquered? Is Taylor misleading us when he makes them a much more Northern race, the first cousins of the Fins, taking their origin in the Siberian steppes, wherever that may be; or did they come from Rhætia, or were they a lower class that in their turn had come to rule? Who knows? Here they lived however, a conquering race, probably far from their native lands; and as an aristocracy of conquest, they perhaps the more readily disappeared at the end. Wherever they came from, after many centuries of national existence, isolated amid other races like the Magyars in Austria or the Turks in Europe, they disappeared. A race of powerful character, they left records of themselves in bridges and aqueducts, in sewers and other engineering works; and in their tombs was buried what little we know of their life. Here we find paintings, utensils, ornaments, and many thousands of vases; inscriptions too,—unintelligible until the discovery of an inkstand on which some idler had written the vowels and then written them again in syllables, an Etruscan Rosetta stone. But, after all, our interest in these people is but secondary. In truth, our chief interest is in those features of custom and character which their

mighty conquerors assimilated. Again, what we find in their tombs of artistic value is not so much their own work as that of Greece, — a spirit of conquest, energy in political organization, and utilitarian aims in construction, the practice of sorcery and augury, and a belief in the deathlessness of the soul, in ancestor-worship, and the idea that the dead could still use the utensils, arms, and ornaments of life. Most of these and much more can be traced as bred and quickened in the Roman character by the race that shared their early history, and that they so early subdued; and, secondly, the contents of their tombs indeed shed much light on the art of Greece and Egypt; for commerce and politics brought all the Mediterranean races together even in those days. Greek writers speak of Etruscan gold cups and household bronzes as the best of their kind, and Phidias gave his Minerva Etruscan sandals; and so while rock-cut tombs and pyramidal tumuli, and the ochre paintings of Tarquinii, and the scarabei of Vulci, recall Egypt, the painted vases found in most of the tombs of Etruria not only recall Greece, but are largely actual Corinthian importations. Thus while the ashes of Vesuvius preserved in a Roman city the Greek art of a later day, the tombs of the Rasena kept for us thousands of fragile vases of the earlier and best periods of Greek art.

In view of this their great history, a pilgrimage to one of the great cemeteries of the race that lies near Viterbo offered much interest. The inhabitants of the town seemed to know and care but little for the Rasena, but one of them professed to have been to Castel d'Asso, which lies some three or four miles distant; and so together we set out on one of the few available conveyances. The road ceased long before we reached there; and as we trudged over the brown moorland, I found it was fifteen years or so since my guide had been to the great valley, and he knew but little more of it than I did. The plain over which we wandered is traversed in various directions by huge gullies with precipitous sides. Into one of these we descended, opposite the ruined Castel d'Asso.

A short valley runs into the great ravine opposite the mediæval castle, and the tombs occur on both sides of this, while they stretch for half a mile or so up one side of the long valley. They are at the top of the ravine's side, and the crest of the rock is cut into long running cornices which crown the valley with a simple profile of Egyptian character. The doorways have architraves with projections at the lintel. They are simply carved, and the real entrance is ten feet or so below and underground. The walls of the tombs are often niched for the sarcophagi; and the hewn solid rock forms the low vault.

We invaded several of these rifled tombs by the light of our pitch torches; and judiciously yielding the precedence to my Italian guide in entering these black holes in the wilderness, I looked in vain for valuable relics. However, we made no Schliemann discoveries, and had to be contented with February violets growing at the doors of the ancient sepulchres.

It is at this spot that Mrs. Hamilton Gray, on what grounds I know not, places the great temple of Voltumna, the protectress of the Etruscan league. She says, in her "Sepulchres of Etruria," "In its immediate vicinity were the rocks dedicated to be the sepulchres of those whom Etruria honored and mourned, the high captains of the league, the high priests, the distinguished patriots, noted orators, dreaded warriors, or beloved and wise kings: those, in short, to whom the whole nation gave a grateful burial, and for whom they wept." It is such suggestions as this, and the remembrance of such great collections as those I had seen at Chiusi, at Florence, and of other tombs at Perugia, that gave interest to these carved and burrowed cliffs.

The sombre precipices that hem in this fertile valley contained but one of the cemeteries of the Rasena. Near by at Bieda, the rock-side is again honeycombed with caves; and at Norchia also, not far distant, exists a very rich stone pediment carved in the rocks. But while in Northern Etruria these caves or grottos are found, in the South on the contrary, as at Cervetri, the tombs are burrowed out of the tufa, and have the character of tumuli. Tarquinii is surrounded by thousands of tombs; and Lars Porsena may, as tradition says, have lain in the great labyrinth that exists beneath the town of Chiusi, the ancient Clusium.

In many tombs the inscriptions change with later burials from Etruscan to Latin, as in different places or at different epochs the custom of burial prevailed more widely than that of cremation. Bronzes, vases, ornaments, and scarabei, — such are the "finds" gained in still unripped tombs; while the most numerous prizes are vases, — the earliest rough and archaic, then stiff and quaint with black figures on a red ground, and then the red figures on a black ground, representing stories of gods and heroes or domestic scenes, and often signed by the Greek artists. All around the interior of the tombs once lay the long awkward effigies of the departed, swathed in ungraceful folds, just as from the tops of the urns that held their bodies, they now in so many museums pledge from their sacrificial cups the inquisitive and hasty tourist.

As the chill of the evening settled down we drove back; the view sweeping over the great rolling land where the Rasena once lived and ruled, the domed heights of Montefiascone rising grandly on one horizon, and the grim Cimian mountain closing the view behind the town. We dive into the dim lanes; the fountains still patter, the streets ring in the sharp air with the *Rondinella d'Amore* that I have learned to think a part of Viterbo. I find

the inn again which Majesty is said to have occupied; and so by degrees I get back to the life of to-day, and even mediæval Viterbo seems almost modern.  
R. S. PEABODY.

#### THE ILLUSTRATIONS.

SKETCHES MADE IN VITERBO AND ITS VICINITY BY MR. R. S. PEABODY, ARCHITECT.

SEE the foregoing article.

STORE ON BROADWAY, NEW YORK. MR. G. E. HARNEY, ARCHITECT.

This is the original design for the store built for Mr. Theodore B. Starr, 1126 Broadway.

HOUSE FOR P. S. JENNINGS, ESQ., CLEVELAND, O. MR. F. S. BARNUM, ARCHITECT.

HOUSE FOR W. H. SAGE, ESQ., ITHACA, N.Y. MR. W. H. MILLER, ARCHITECT.

#### THE VENTILATION OF SCHOOLHOUSES.

[A paper read at the Social Science Congress held at Saratoga by Mr. A. C. Martin, A. I. A.]

THE result of my experience and practice as an architect in the ventilation of schoolrooms is decidedly in favor of the system of natural ventilation by means of an exhaust-shaft. I mean a well-built brick shaft, carried up inside of the outer walls of the building, and connected with the different rooms by properly proportioned air-ducts.

Such a system is best for schoolhouses: 1st, because, if well planned, it is thoroughly efficient and easily managed; 2d, the cost of the shaft and ducts forms but a small item in the cost of the building; 3d, the cost of ventilating, *per se*, during the cold season is nothing. In this respect it has the advantage over any system of fans or blowers. During the mild days of late spring and early fall, a moderate fire of trifling cost, kept burning in the shaft, will insure an active ventilation.

Of course it is understood that in any system of ventilation, it will cost more to heat a room that is well ventilated than one that is not. To warm a room where the air is renewed four times an hour, and heated from say 20° to 70° Fah., requires more fuel than to heat the same room when the air is not renewed or changed at all.

The power of a vertical shaft to ventilate a building depends upon the following conditions: viz., 1st, The difference of temperature between the out-door air and the air in the shaft, i.e., the air in the building; 2d, upon the height of the shaft; 3d, upon the resistance or friction, i.e., the straightness and smoothness of the shaft; 4th, upon the supply of air which is to take the place of that drawn out by the shaft.

The following equations show these relations, or the law for the flow of air through such a shaft: —

$$\begin{aligned} 1st. \quad V &= K \sqrt{(T-T')H} \\ 2d. \quad Q &= KA \sqrt{(T-T')H} \end{aligned} \quad \text{in which}$$

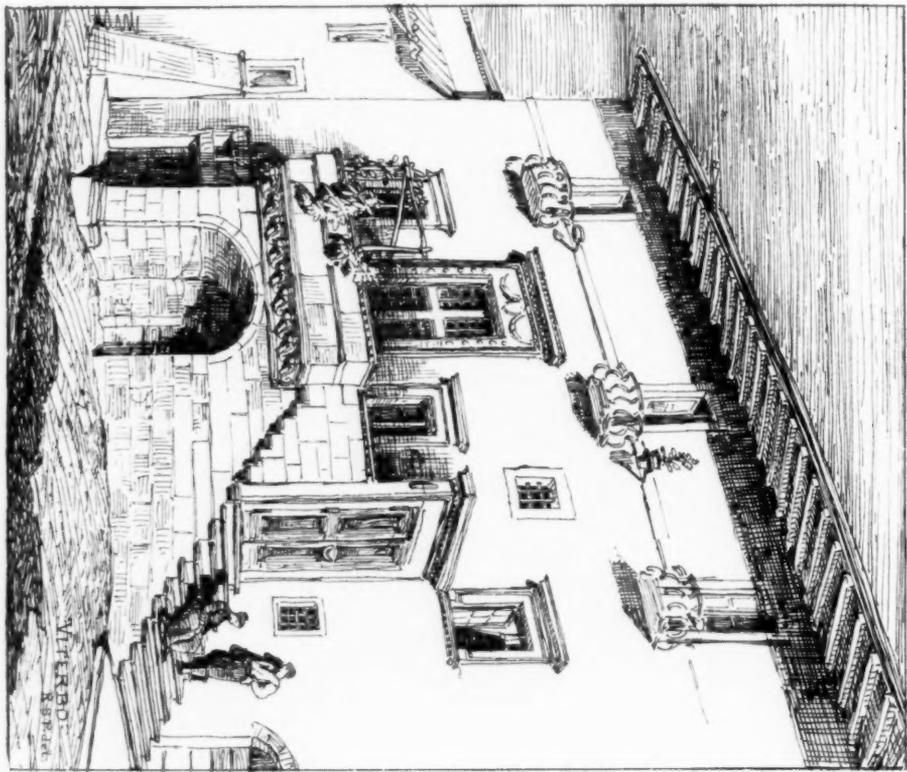
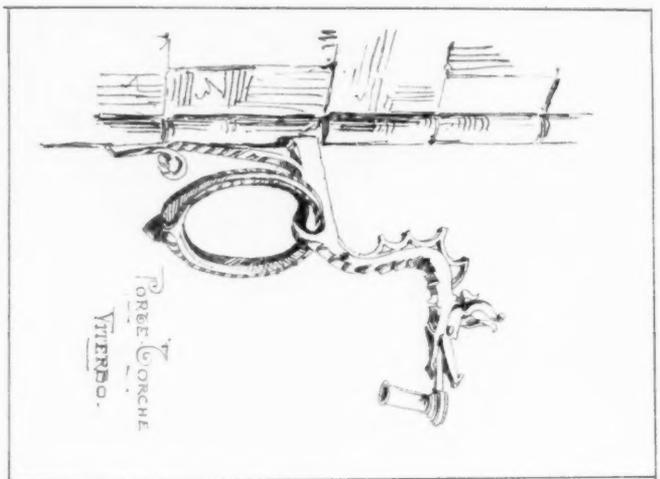
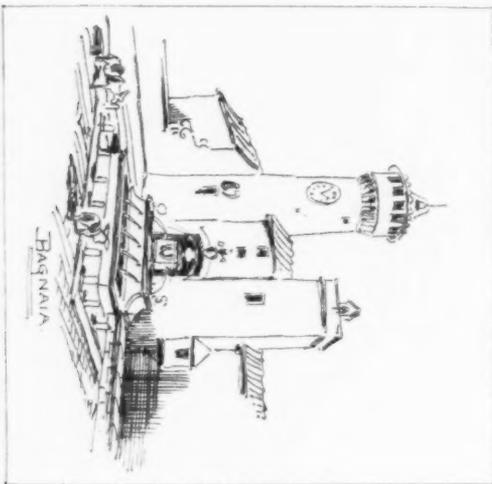
$V$  is the velocity of the air in the shaft;  $K$  is a numerical co-efficient dependent upon the form, disposition, etc., of the shaft, and is constant for each shaft;  $T$  is the interior temperature;  $T'$  is the exterior temperature;  $H$  is the height of the shaft;  $A$  is the area or cross-section of the shaft;  $Q$  is the volume of air passing through the shaft in a unit of time.

By an inspection of these equations, it will be seen that to increase the velocity of air in the shaft, and also the amount of air evacuated in a given time, we must either increase the height of the shaft, or the excess of the interior above the exterior temperature. For instance, to double the amount of air passing through a ventilating shaft, we must quadruple the height of the shaft, or the difference in temperature. Or we may double the area of the shaft, other conditions being equal, which is much more economical. From this we see that in any given case of ventilation by this system, the height of the shaft is of less importance than its size or cross-section. It should, however, always be carried well above the roof of the building, and should never be larger than required to exhaust the necessary amount of air at the minimum velocity.

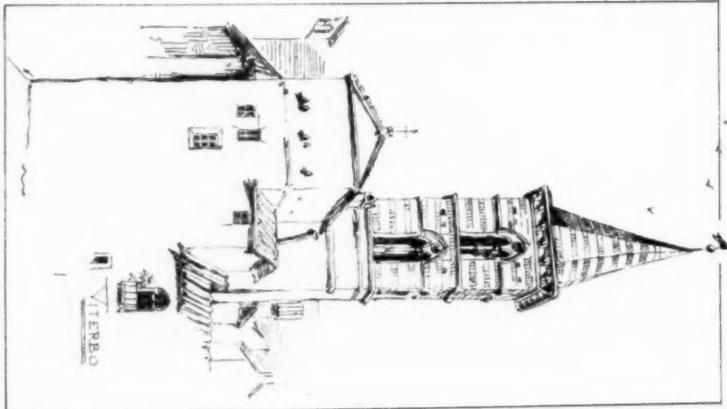
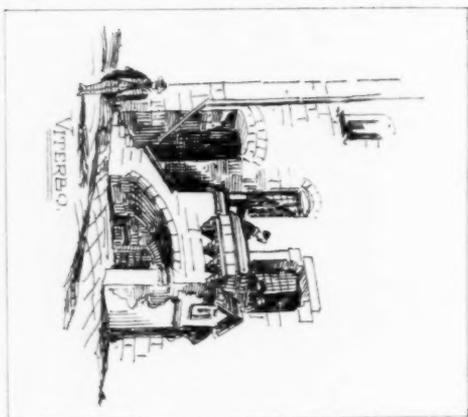
Without going into theory, I propose, in what I have to say, to give the results of careful observations upon the working of this system in two buildings where I have used it. One is a public grammar school of ten rooms, presenting rather a complicated case, because the air from all the rooms is drawn down into the basement, and delivered at the base of the shaft. The other is a small private school building.

The grammar school building has five rooms in the first story, and five similar rooms over them in the second story. Plan A shows the first story of this building. The horizontal air-ducts under the floor of the basement leading to the foot of the shaft are plainly indicated. The circles show the vertical air-ducts from the rooms to the collecting-ducts in the basement. The circles in

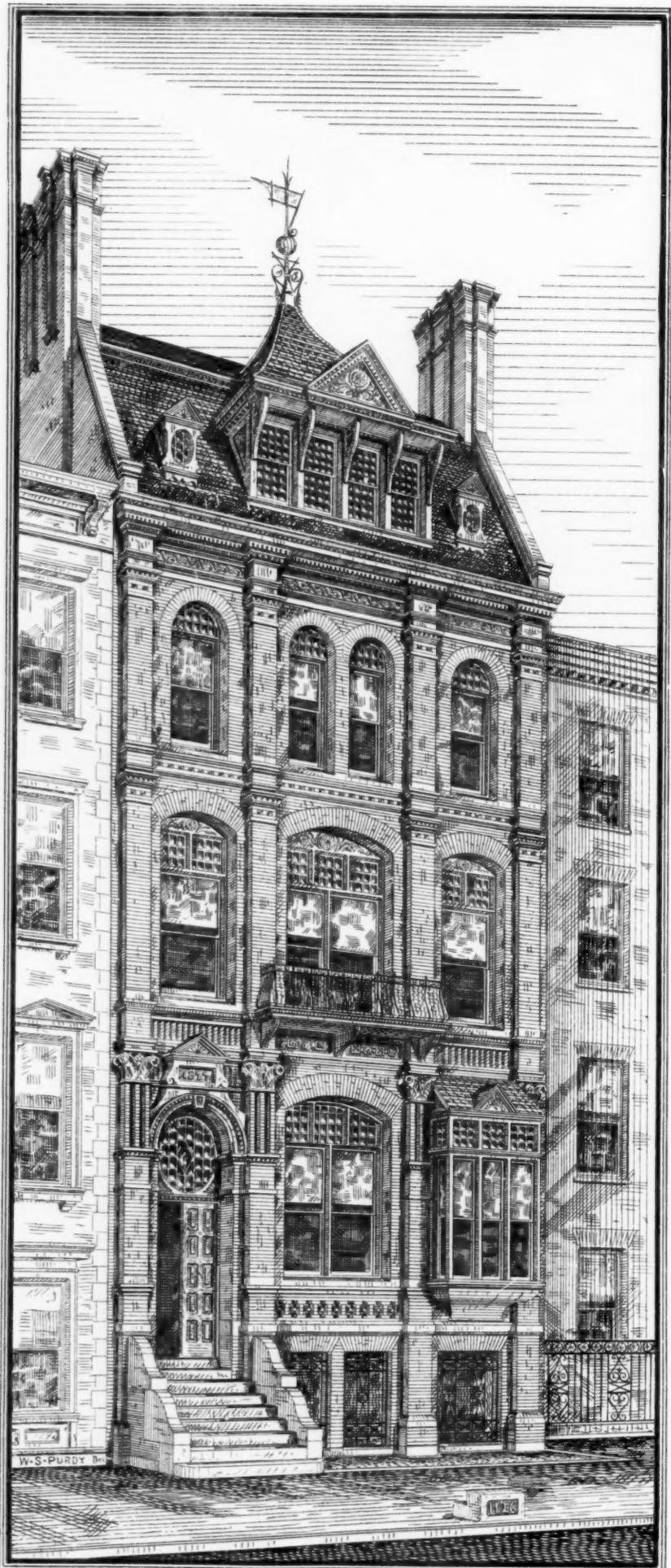




SKETCHES IN VITERBO.  
— R. S. FEARNOY ARCHT. —

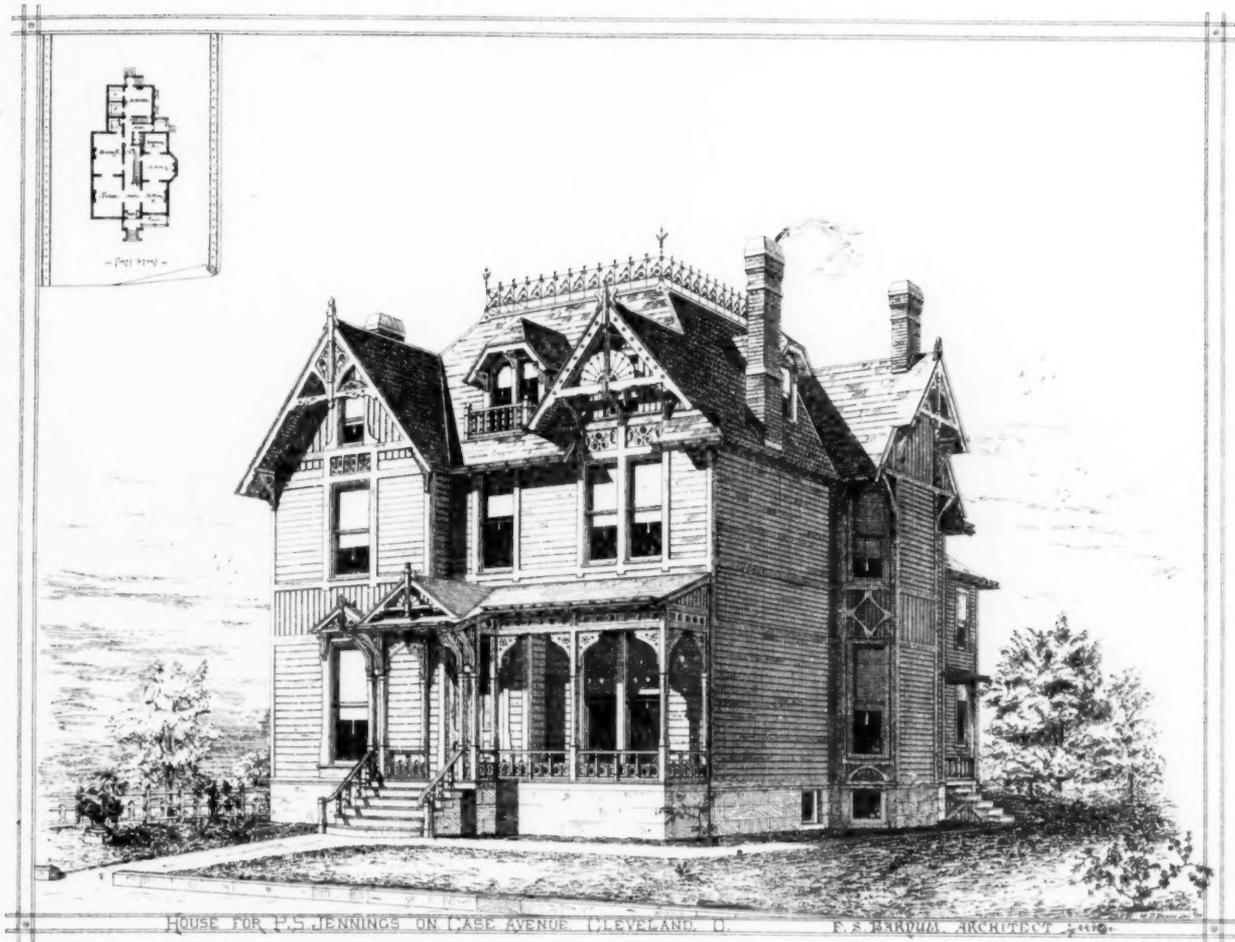




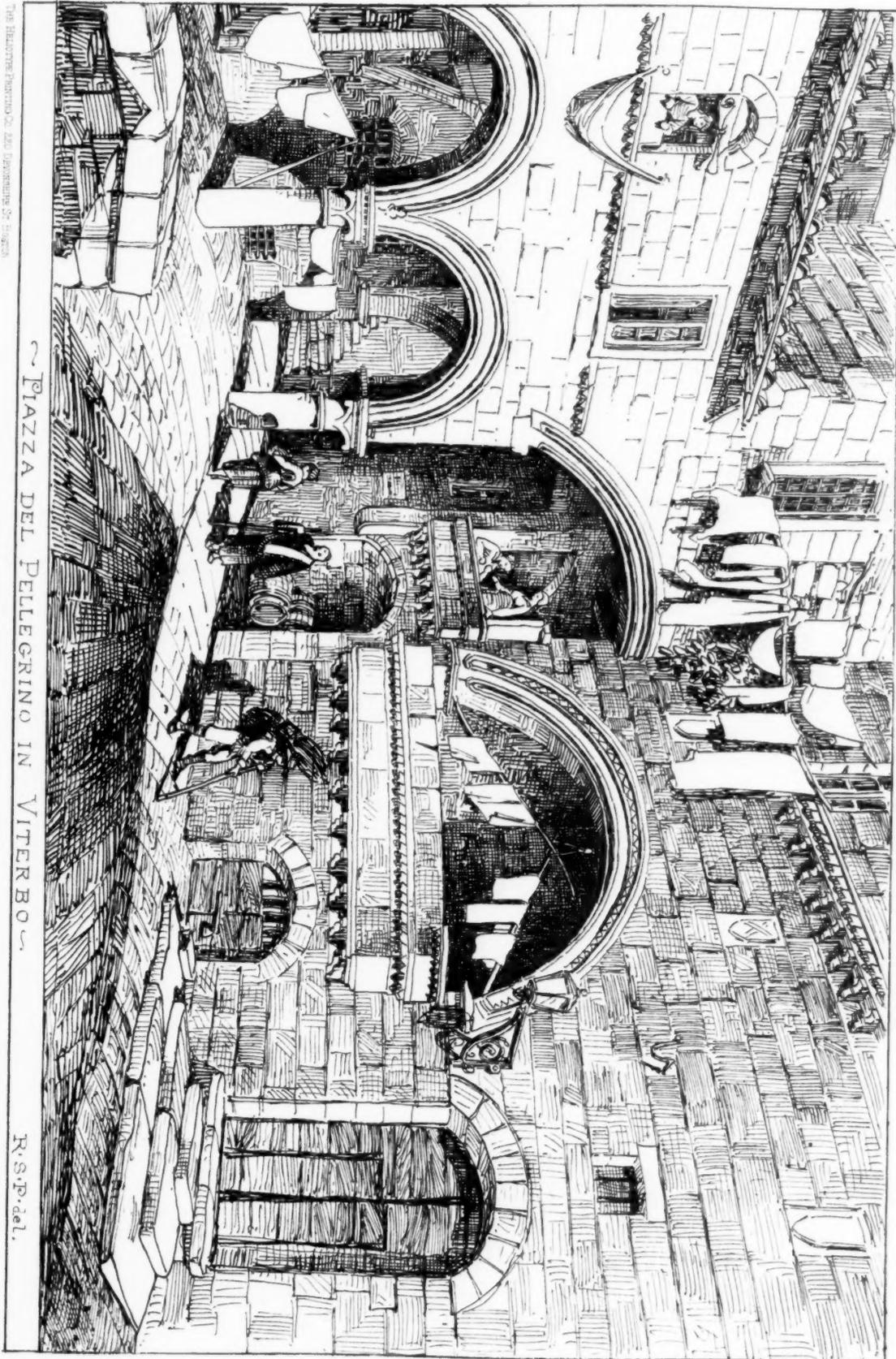


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THE HISTORIC PIAZZA DEL PELLEGRINO IN VITERBO

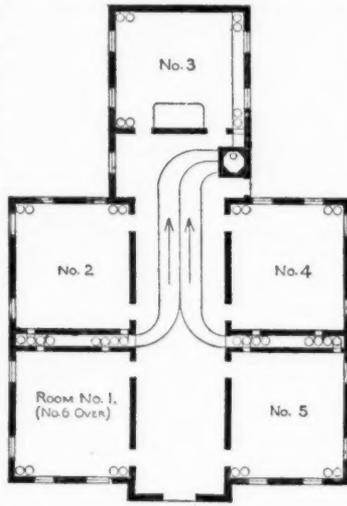
PIAZZA DEL PELLEGRINO IN VITERBO

R. S. P. del.



the corners of the rooms show the hot-air ducts from steam-radiators in the basement.

The ventilating-shaft for this building has an effective area or cross-section of 19 square feet. It is 65 feet high. An iron smoke-pipe from the steam-boiler passes through the whole height of the shaft. A steam-radiator is also placed inside the shaft. Two vertical foul-air ducts from each room lead to the base of the shaft by means of the horizontal collecting-ducts. The building is heated by steam from radiators in the basement. Each room has two hot-air pipes and four independent radiators, so that one-fourth, one-half, three-fourths, or all the heat may be turned off from the rooms without stopping the flow of fresh air. The ten rooms are all of the same size, viz., 28' x 30', 12' high, planned for fifty children.



PLAN A.

The sizes of the shaft and foul-air ducts were calculated upon the basis of exhausting from the rooms 15 cubic feet of air per minute for each child, or 750 cubic feet of air per minute for each room, and 7,500 cubic feet per minute for the whole building. This required that the air in each room should be renewed four times an hour. At different times, and under different conditions of temperature and weather, I made three sets of observations, measuring the flow of air through each of the twenty foul-air ducts, and through the shaft, by one of Newmann's anemometers. I found the measured velocity of the air-current in the shaft, and the theoretical or calculated velocity, to be nearly the same in each case.

I used the following equation:—

$$V^2 = \frac{2gHa(T-T')D}{D + 2gHK} \text{ in which}$$

- V = velocity (in feet per second) of air in shaft.
- g = acceleration of a falling body in shaft . . . 32.2 ft.
- H = height of shaft . . . 65 ft.
- a = expansion of air for each degree Fah. . . .00204
- T = in-door temperature.
- T' = out-door temperature.
- K = co-efficient for friction in shaft . . . .0025
- D = diameter of the shaft . . . . . 5 ft.

For instance, Feb. 10.,—

Out-door temperature . . . . .	36° Fah.
In-door temperature . . . . .	68° Fah.
Difference of temperature (T-T') = . . . . .	32° Fah.
The measured velocity of the current in the shaft was . . . . .	9.1 ft. per. sec.

By substituting values in the above equation, we have  $V^2 = \frac{64.4 \times 65 \times .00204 \times 32 \times 5}{5 + 64.4 \times 65 \times .0025} = \frac{1366.3104}{15.465} = 88.3$ ; therefore  $V = \sqrt{88.3} = 9.4$  ft.

Feb. 22. — A clear cold day, with a strong wind from the North-west.

Out-door temperature . . . . .	18° Fah.
In-door temperature . . . . .	60° Fah.
Difference of temperature (T-T') . . . . .	42° Fah.
Measured velocity of air in shaft, mean of two observations . . . . .	11.1 ft. pr. sec.
Calculated velocity by the equation . . . . .	10.7 ft. pr. sec.

March 7. — North-east snow-storm.

Out-door temperature . . . . .	30° Fah.
In-door temperature . . . . .	69° Fah.
Difference of temperature (T-T') . . . . .	39° Fah.
Measured velocity of air in shaft, mean of two observations . . . . .	9.4 ft. pr. sec.
Calculated velocity by the equation . . . . .	10.3 ft. pr. sec.

It is stated above that the shaft was expected to exhaust from the building seven hundred and fifty cubic feet of air for each room per minute. Here is the result of independent measurements of the flow of air from the ten rooms, each room having two foul-air pipes and two fresh-air pipes, — all doors and windows being kept shut.

Feb. 10. — Valves of all the cold-air boxes shut. Air supplied to the radiators from the basement. The total flow of air from all the rooms was 7,855 cubic feet per minute, an average of 785 cubic feet for each room. From room No. 6, in second story, farthest from the shaft, the flow of air was only 410 cubic feet per minute, while from room No. 3, in the first story nearest the shaft, the flow was 1,177 cubic feet per minute; these two were the extreme cases. In two other rooms the flow of air was less than 750

cubic feet per minute. In seven rooms the flow of air was in excess of this amount. It was stated above that the observed velocity of the air in the shaft was for this date 9.1 feet per second. This multiplied into the area of the shaft (19 feet) and by 60 will give the total flow through the shaft, 10,374 feet per minute. The total flow from all the rooms was 7,855 feet per minute; a difference of 2,519 cubic feet of air not accounted for. Two independent air-ducts from the water-closets to the base of the shaft will account for a part of this excess; and doubtless the air-ducts let in considerable air through their joints, which could not be measured. The cold-air boxes being closed, the inflow of air to the rooms was not free enough for a vigorous ventilation.

In the two following observations the air-boxes were kept open:

Feb. 22. — Total flow of air through all the rooms, 12,318 cubic feet per minute; an average of 1,231 cubic feet per minute for each room. The two extremes were for room No. 6, second story, 666 cubic feet per minute; room No. 3, first story, 1,956 cubic feet per minute; only one room (No. 6) having a less flow than 750 cubic feet per minute. The observed velocity of the air in the shaft was for this date 11.1 feet per second. This multiplied into the area of the shaft and by 60 will give the total flow of 12,651 cubic feet per minute.

March 7. — Total flow of air through all the rooms, 10,110 cubic feet per minute; an average of 1,011 cubic feet per minute for each room. The two extremes were: 702 cubic feet per minute in room No. 6, and 1,296 cubic feet per minute in room No. 3; only one room (No. 6) having a less flow of air than 750 cubic feet per minute. The observed velocity of the air in the shaft was for this date 9.4 feet per second. This multiplied into the area of the shaft (19 feet) and by 60 gives a total flow of air through the shaft of 10,716 cubic feet per minute.

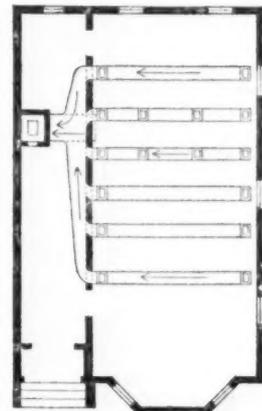
I found that the force and direction of the wind have a decided effect upon the ventilation; which is most active on a windy day, other conditions being the same, and more active with a north-west wind than any other. The flow of air from the rooms on the windward side of the building was greater than from the rooms on the leeward side. The distance of the rooms from the base of the shaft was always a factor in the ventilation of the rooms. For instance, room No. 6, in the second story farthest from the shaft, and room No. 3, in the first story nearest the shaft, were the extreme cases; but generally, the nearer a room to the shaft, the more free the flow of air through that room.

The flow of air through the rooms was always much less when the valves of the cold-air boxes to the radiators were shut, and air for them taken from the basement.

The measured flow of the air through the shaft was always in excess of the sum of the measurements of the ten rooms.

The velocities of air-currents through the ventilating registers of the rooms varied from two to six feet per second, according to the location of the room with regard to the shaft, and the direction of the wind.

The private-school building contains one large room in the first story, and four recitation rooms in the second story. The rooms are ventilated by a brick shaft fifty feet high, having an effective area of eight feet at the bottom. The air-ducts for each story are carried into the shaft at the level of the floor of that story, and not down into the basement as in the first case. I shall refer to the ventilation of the large room in the first story, which is 20 feet wide, 45 feet long, 14 feet high, and planned for fifty girls; giving an air space of 250 cubic feet for each. Plan B shows this room with the ventilating-shaft at the left. The air-ducts at the level of the floor are indicated as before. Sixteen registers (shown on the plan) open into these ducts. At the top of the room nearest the shaft, shown by the dotted lines, is a large duct, with an area of six square feet, opening into the shaft, and having a valve for closing it. The room is heated by two hot-air pipes from a furnace, one opening in the floor of the room, the other opening near the ceiling.



PLAN B.

The ventilation was planned to give twenty cubic feet of air per minute to each of the fifty girls, requiring the shaft to exhaust 1,000 cubic feet of air per minute. The registers were placed in the floor at different parts of the room, for the purpose of securing a distributed downward ventilation. The large duct at the top of the room, with its closing-valve, is for changing the ventilation from the bottom to the top of the room when required. There are no means of closing the ducts in the floor. Ordinarily in a cold day the ventilation is wholly from the bottom of the room.

The upper ventilator is opened whenever the temperature of the room rises above 68° to 70° Fah., to draw out the warmest air from the top of the room. The opening of the upper ventilator does not stop the flow of air from the bottom of the room: it di-

minishes it rather more than one-half; so that the shaft is drawing air from both top and bottom of the room.

In the bottom of the shaft, just above the inlet from the air-ducts in the floor of the first story, is placed a grate for burning soft coal. A fire lighted in this grate will generally double the flow of air through the air-ducts in the floor. A fire lighted in the morning requires no further attention for the school-day. This grate is only used in the mild soft days of late spring and early fall.

In five years less than one ton of coal has been burned in the shaft for the purpose of forcing the ventilation.

The equation for this shaft becomes

$$V^2 = \frac{61.4 \times 50 \times .00204 \times 2.8 \times (T - T')}{2.8 + 61.4 \times 50 \times .0075}$$

When $(T - T') = 12^\circ$	$V = 2.8$ ft. pr. sec.
" " $15^\circ$	$V = 3.2$ " " "
" " $25^\circ$	$V = 4.1$ " " "
" " $30^\circ$	$V = 4.5$ " " "
" " $40^\circ$	$V = 5.2$ " " "

Here are the results of three observations made under different conditions of temperature and weather. The velocity of the air currents through the different registers in the floor varied from two to four feet per second, according to their location with reference to the shaft.

Nov. 26. — Still, cloudy day.

$T = 72^\circ$ .  $T' = 60^\circ$ .  $T - T' = 12^\circ$  Fah.  
Observed velocity of air-shaft was . . . . . 2.7 ft. pr. sec.  
Calculated velocity as above given . . . . . 2.8 ft. pr. sec.

Dec. 5. — Fresh south-west wind with rain.

$T = 72^\circ$ .  $T' = 57^\circ$ .  $(T - T') = 15^\circ$ .  
Observed velocity of air in shaft . . . . . 3.5 ft. pr. sec.  
Calculated velocity . . . . . 3.2 ft. pr. sec.

Dec. 6. — Brisk north-west wind.

$T = 69^\circ$ .  $T' = 44^\circ$ .  $(T - T') = 25^\circ$  Fah.  
Observed velocity of air in shaft . . . . . 3.9 ft. pr. sec.  
Calculated velocity . . . . . 4.1 ft. pr. sec.

With a minimum velocity of 2.5 ft. per second, the shaft will exhaust twelve hundred cubic feet of air per minute, which is more than the required twenty feet per minute for fifty scholars. It renews the air nearly five times an hour. With a less difference of temperature than, say,  $12^\circ$  Fah., it is necessary to force the ventilation by a fire in the shaft.

## CORRESPONDENCE.

### THE ROMAN CATHOLIC CATHEDRAL.

HARTFORD, CONN.

WITHIN the past few years no inconsiderable amount of building has been done in Hartford by the Roman Catholics. An extensive tract of land fronting on one of the principal avenues in the western part of the city was purchased in 1873 at a cost of \$72,000; and in the following year ground was broken upon the western portion for the foundations of the Convent of Mount St. Joseph. This building was duly erected, the expense incurred being about \$100,000. It is built of brick with brown-stone finish, and has a main building with wings on either side, three stories in height. The episcopal residence was the next project to which attention was turned; this was built at the eastern extremity of the site, and is similar in character to the convent. It is a comparatively plain structure of brick and Portland stone, erected, like the convent, from the plans of P. C. Keely of Brooklyn, N.Y., whose forte, it must be acknowledged, is the designing of ecclesiastical buildings rather than those which border on domestic architecture.

For some time past Mr. Keely has been preparing drawings for a cathedral to be built by the same parish which has built these buildings, and last spring witnessed the laying of the corner-stone of this large and imposing edifice. The cathedral will be between the convent and the episcopal residence, the lot having a frontage of 400 feet and a depth of 300 feet. The design, which is Early Pointed Gothic in style, is one of Mr. Keely's best efforts, and when completed will add another fine building to the many already built throughout the country by this architect. St. Joseph's Cathedral will be built of rock-face ashlar of Portland stone, with dressed finish of the same material. In plan it will be a Greek cross. The entire length of the edifice will be 264 feet; the nave is 93 feet wide, the transept 178 feet long, and the sanctuary is 59 by 88 feet. The cathedral faces to the south; and the front, which is 123 feet in length, is marked by two towers flanking the main entrance. These will be finished with spires whose apexes are 220 feet from the ground. The main entrance is in the centre of the façade, and leads into a vestibule, which, carried out from the line of the main building, has an elaborately designed arched doorway, the label moulds of the arch springing from the foliated caps which surmount recessed columns; a crocketed gable rises above the tympanum, and is crowned with a carved finial. A similar design marks the other entrances on the front, which are located in the towers. The most characteristic portion of the design of the south façade is the boldly proportioned rose-window, beneath which is a series of

square-headed windows, this treatment of small windows being the same as that shown at the same level in the towers, continuous string-courses connecting these portions, and extending the entire length of the front. The apex of the front gable between the two towers will be surmounted by a pedestal composed of clustered dwarf columns with richly-carved capitals, which is to sustain a statue of St. Joseph. The spires of the cathedral will bear much elaborate detail work,—among other features will be small turrets at the several angles; beneath them upon the four faces of the towers are columns in relief supported upon projecting corbels boldly carved. The walls of the nave will be pierced by a series of rich stained-glass windows representing Biblical scenes, while those of the sanctuary will be particularly brilliant. There will be five marble altars, inclusive of the high altar, which will be elaborate in detail. The interior walls of the edifice will be treated with marble; and in the wood-work finish, oak will be extensively used. The floor will be laid in encaustic tiling. The pews throughout will seat two thousand persons. There will be no side galleries. The ceiling will show rich, ribbed oak-work. The basement of the cathedral will be sixteen feet in the clear; and for the support of the floor above and the pillars on that story, there will be fifty-two columns, eighteen of which will be of massive granite. The basement will be entered by doors in the towers on the east and west sides. Beneath the transept of the cathedral will be a chapel having an altar and confessionals, while beneath the sanctuary there will be a high altar, a marriage altar, and a baptistery. In the rear of this high altar a crypt will be built, containing sixteen vaults, to receive the bodies of bishops.

Work upon the cathedral has already progressed so far that the basement will be ready for occupancy by Christmas, the walls having been carried up several feet above the water-table. Over the whole structure a temporary roof has been placed. Next season work will be resumed, and prosecuted as rapidly as the funds of the parish warrant. In the Cathedral of St. Joseph another opportunity is afforded for the semi-erection of church spires, a method of building which will become, it is feared, a by-word in Hartford; but, with the proverbial activity of the denomination which has undertaken the extensive work, it is safe to predict that the required sum will be raised in a few years. A recent effort of the parish, netting some \$5,000, is an index to the feeling of the parties concerned; and, although the \$300,000 needed to complete the work seems formidable, still there is a keen interest in the undertaking which is far from lessening, and will be kept up until the edifice is ready for dedication.

The latest work in the architectural, or more strictly speaking perhaps, the building world,—for there is not an overwhelming amount of architecture in the structure,—is a city schoolhouse to be built in the south school district. The building of this schoolhouse has been under discussion for a year or more. Local architects sent in designs and plans, which showed the result of study and adaptation to the wants of the district; and the chances of success in a competition called in drawings from parties beyond the city. But as in the case of our Capitol a certain degree of tradition attaches itself to a dome, so in the matter of the schoolhouse, in the minds of certain citizens there is a deep-rooted conviction that a schoolhouse is not a schoolhouse unless of a particular style; which is characterized mainly by elevation, and stairs upon stairs, to the distress of the thousands of feet which have to climb them daily. The result is, simply, that the contract has been awarded for an ordinary building after the stereotyped plan, devoid of any effective treatment, save the introduction of some lighter brick to relieve the dull monotony of red walls and the sameness of the façades. The building is not, we presume, a fair example of the ability of the architect, Jacob Bachmyer, as his field of labor was hedged in by the opinions of that autocrat of architecture, the chairman of a school-district building-committee.

The new addition to the Hartford high-school, mentioned in a former letter, has called down the wrath of the acting school visitor, by reason of its external appearance, which in many respects is not in keeping with the main building. The internal arrangements of the addition are good, and will afford all desired accommodation for many years to come, but the lack of harmony in the exterior is marked. The high school was built in 1869, from plans by G. H. Gilbert of this city; and in some respects reminds one of Phillips Academy at Andover, Mass. The additions are by George Keller, who has better examples of his work in Hartford, among which can be mentioned a private residence now in process of erection in the western part of the city. This house is of brick (laid in red mortar) and Ohio stone, upon foundations of rock-face ashlar. It is marked on its front elevation by a projecting bay, carried up through two stories, which has its front wall pierced by triple windows with square transom lights; and the same treatment is shown in the windows of the hall, except that the latter have stone columns in place of brick mullions. Terracotta panels are introduced with striking effect beneath the windows of the front bay, but its use elsewhere throughout the building is not as effective. The lines of the house are diversified, and variety is given by broad piazzas, the disposition of windows showing some regard to the importance of grouping. Moulded courses of stone and a cornice of moulded brick are introduced; and the carved finials upon the dormers are by far the best parts of those important features. The roofs have a high pitch, and are slated

in two colors; their general lines being broken by prominent chimneys, which make a show of moulded brick, and are crowned with stone caps. The hall has a corner fireplace, so planned that its flues, together with those of the parlor and dining-room, are gathered into one large central chimney. A broad staircase, with square landings, is a prominent feature of the main hall; and for the second landing a door leads to the second floor of the large L in the rear of the house.

CHETWOOD.

THE LACK OF THE ANTIQUARIAN SPIRIT AMONG US.—CAN ARCHITECTS COLLECT THEIR DUES UNDER THE MECHANICS' LIEN LAW?

NEW YORK.

THE New York Chapter had a very interesting meeting on the 18th inst. Mr. Charles F. McKim spoke of the work of the London *Sketch Book*, and the manner in which it was supported, and in turn had aided in bringing the best works of the best artists to the front. Its origin, he thought, and its support in great measure, came from a class of men of whom we in this country know but few living specimens,—antiquarian architects,—men who are familiar with the history of building, who are sufficiently versed in the principles of design to describe and note whatever they may meet, and who have leisure enough to enable them to carry on their researches. England abounds with opportunities for the exercise of such a combination of talent. In her cathedrals and cottages, in every class and grade of buildings, mediæval and modern, she is so rich, so abundantly provided, that the materials are found lying in the very footsteps of the architectural critic and observer. This body of men has done good service in what might be called the prevention of cruelty to buildings; and many a fine detail, many a noble work, has been saved from the hands of ignorance or slaughter by these lovers of the arts of construction. In this country there are no such general opportunities. The West is virtually, beyond the modern growth, without any but pre-historic examples of building. In the East and South, the country has been settled long enough to afford a field of profitable research to the antiquarian architect. The New England towns and villages are dotted with colonial structures which would well repay a most careful observation. About Philadelphia another rich field is opened; and farther to the south, as far as Virginia, the old planters' houses, and occasionally churches, might be saved from the oblivion surrounding them, and by accurately measured drawings and notes of the technique of their construction would offer profitable lessons to the architects of to-day. In many instances, more numerous than one who has not studied the subject even partially would suppose, the interiors offer treasures of which the exteriors give no sign. The London Club make a feature of excursions to sections where it is either known that old buildings exist, or where it is supposed they may be found. Many unexpected placers of rich architectural ore are thus opened. The trips are profitable, pleasant, and peculiarly interesting to the architects and their friends taking part. Shall we too do these things here? If it is to be done, the architects must lead the way, must in fact take the light burden upon their shoulders. When abroad in company with the English architects, the speaker had been surprised to find how well posted they were as to many historic or semi-historic buildings of whose histories he was partially ignorant, and to which many architects never give the slightest thought. Sketches and accounts of these would be gladly published in the *London Sketch Book*; but while we have here an architectural journal of acknowledged merit, it was, in the opinion of Mr. McKim, the duty of every one to uphold the effort which was being made by the *American Architect and Building News* to give American architecture a fitting mouthpiece. Through its pages these antiquarian researches into American history as illustrated by our buildings could be given to the world, and from it the architects of to-day could improve their practice by a study of those admirable touches of real art and honest workmanship which the colonial houses afford. A committee to be known as the Antiquarian Committee was appointed to define a course of action, and to collect information which might enable members profitably to follow up the line of investigation proposed in the paper.

The next topic taken up by the Chapter was in relation to architects' liens, or rather the necessity of some such privilege of ready collection of dues on the part of practising architects. The subject was brought up by a request from Mr. Welsh, formerly a member of the Institute, that the Chapter take action in pushing action the case of a brother architect of Brooklyn, who had brought under the mechanics' lien law, had been defeated, and had now an opportunity of carrying the matter before the Court of Appeals of the State; and there secure a final opinion on the general question of whether an architect performing the full duties of superintendent can recover under the lien law as now on the statute-book. Decisions were diverse: there were cases where such recoveries had been made, but they were under special circumstances; and the want of an intelligible decision on the point involved was felt by all. Mr. Welsh urged that the Chapter take up this case as a test one, and secure an opinion which might be of service hereafter. The matter was fully discussed, some being opposed to the concession on the part of architects which would place them on a par with mechanics. Others thought that a ready means of

collection would be desirable at any cost, and that architects would lose nothing by coming under the general law. It was resolved, however, not to take up the case offered by Mr. Welsh as a test one, on the ground that the Chapter had not the funds to devote to such uses; but it is likely that some other effort will be made by the Chapter to bring about a favorable change in the law as it now stands.

W.

THE EFFECT OF LOWERING THE GROUND-WATER OF THE BACK BAY LAND, BOSTON.

THE Boston Society of Architects have addressed to the government of that city the following petition in view of the possible effect of the new sewerage system upon the stability of a large portion of the most costly dwelling-houses in the city:—

## BOSTON SOCIETY OF ARCHITECTS.

SECRETARY'S OFFICE, PEMBERTON SQ., BOSTON,  
Dec. 26, 1877.

TO THE MAYOR AND ALDERMEN OF THE CITY OF BOSTON.

The Boston Society of Architects respectfully represent to your honorable body that the commissioners on the sewage of the city, appointed under your orders of Feb. 23 and March 1, 1875, in their report (City Doc. No. 3, 1076) take occasion in several places to state that the system which they recommend, and which we understand has been accepted, and is now partly under contract, will lower the ground-water on the Back Bay territory about two feet (see pp. 25 and 40).

We beg leave to enclose herewith, for your further information, a copy of a letter from E. S. Chesbrough, Esq., C. E., chairman of said commission, dated Dec. 4, 1877, in reply to a letter of inquiry addressed to him by order of the executive committee of the society.

As most of the foundation piling on the Back Bay territory has been cut off at various grades above the grade 5, and some as high as 7, or 8, and as the commissioners expect to lower the ground-water, at least over a part of this territory, as low as grade 5, the head of much of such piling must remain unprotected by the water if these expectations are fulfilled, and there must follow in the course of a few years serious and extensive dilapidations in the buildings erected in that district.

As citizens, therefore, the members of this society respectfully represent to your honorable body the urgent necessity of obtaining accurate information as to the grades of the ground-water in various parts of this territory, and the probable effect upon them of the establishment of the new system of sewerage; and, if necessary, to require such modifications and safeguards in the plans proposed, and now in process of execution, as shall secure private property from the serious damage which, it would seem, may reasonably be anticipated from this cause.

Respectfully submitted.

(Signed) E. C. CABOT, President.

HENRY VAN BRUNT, Secretary.

## THE NEW SEWAGE SYSTEM OF BOSTON.

TO THE EDITOR OF THE AMERICAN ARCHITECT AND BUILDING NEWS.

THERE is but a small portion of our citizens who are aware of what is proposed in the way of improving our entire sewage system; and also its immense cost. The questions that will be asked are, Will this great outlay make our sewage system perfect? shall we have no smells entering our houses through the sewer-traps? and will this system (in some parts of the city actually commenced) entirely prevent sewer-gases from escaping through street openings and conductors? Now, in answer, it is safe to say as to the disposal of the sewage matters, solid and liquid, it will dispose of them perhaps, if permitted to flow into our harbor from the Moonhead Reservoirs, when both tide and wind are running and blowing off shore. But there has been no provision made for the removal of the sewer-gas. The sewers, as is well known, are the general receptacles of nearly all the filth of the city, and are therefore always generating noxious and deadly gases. If we but think for a moment of what they are always receiving, we shall be surprised that our citizens have escaped diseases as they have thus far. The water that has been used in the sick-rooms flows into the sewers; and also the water used in cleansing clothing from both small-pox and other contagiously diseased patients. Physicians have at times been at a loss to account for the presence of diseases that suddenly made their appearance in cities. May it not be from the sewer-gases generated in the sewers? In a London scientific journal it was recently suggested to build tall chimneys for the sole purpose of ventilating the sewers, and thus allow the gases to pass into the air at a height above the dwellings. This is considered better than no ventilation; but the best and surest way to dispose of these deadly gases is to exhaust them from the main sewers by means of powerful exhaust fans, and blow them over fires, and thus disinfect them; they will then pass into the air as harmless as smoke from a kitchen fire. If the exhaust fans are large enough there will be a partial vacuum formed in the sewers, and in place of sewer-gas escaping from the conductors to the air, we shall have air entering through those channels to the sewers and also from every street opening. The new sewage system of this city will provide several large main and intercepting sewers. These all will be so many sewer-gas generators, and if ventilated they will only diffuse the sewer-gases over the city. I consider the only proper way to deal with these gases is to disinfect them by blowing them over fires; and as they are to a great degree inflammable, the heat could be utilized in generating steam to drive the engines which furnish power to drive the fans; and if any excess of steam can thus be generated, it could be used in

warming public buildings or schools. Hoping this matter will receive the attention of our public men,

I am yours respectfully, C. W. B.

#### NOTES AND CLIPPINGS.

**A PANIC IN A COTTON-MILL.** — On Saturday, Dec. 22, the cotton waste in the drying-room of the cotton-mill of C. J. Milne on Lombard Street, Philadelphia, caught fire, and caused a terrible panic among the two hundred operatives in the building, for the fire was at the foot of the stairs. We presume that there was more than one staircase in the building, although it is said that there were no fire-escapes whatever. The fire was confined to the drying-room, and the panic resulted in no fatal injuries to the operatives.

**THE NEW YORK NATURAL HISTORY MUSEUM.** — The new building of the American Museum of Natural History, which was so lately dedicated in Central Park, is only one-twelfth of the whole building (see the plan in our number for Aug. 12, 1876), which is to occupy a plat of some eighteen acres. The original charter of the Museum provided that it should not hold real estate valued at more than \$100,000; but by means of memorials, appropriations amounting to \$700,000 were obtained as building funds, and all of this has been spent on the portion just finished. The building, of which Messrs. Vaux and Radford are the architects, is built of brick and granite. It is 199 feet in length and 66 feet in width, and is practically five stories in height, one of the stories being the gallery of the main hall. The wood-work of the interior is of black walnut and ash. The floors are of brick arches, covered with concrete, and laid with English tiles. The staircases are of iron, and the treads have gutta-percha coverings. The building is thought to be absolutely fire-proof.

**THE SURVEY OF NEW YORK STATE.** — The survey of New York State, of which we have from time to time made mention, has made admirable progress. During the past season, the lines of Albany, Rensselaer, Saratoga, Schenectady, Schoharie, Otsego, Montgomery, Fulton, Herkimer, and Oneida Counties have been accurately determined and partly marked by permanent boundary-marks. The length of these lines is about 175 miles.

**WORK OF THE HEALTH DEPARTMENT.** — An inspector employed by the Board of Health has during the past season done a significant amount of work in the use of disinfectants in parts of the city of Boston where diseases were liable to arise. The total number of places disinfected was 14,407; and in so doing 130 barrels of copperas, 26 casks of chloride of lime, 10 barrels of carbonate of lime, and three barrels of disinfecting powder, were used.

**NOTICE TO ARCHITECTS.** — The utility of public competitions cannot perhaps be better shown than by the following invitation addressed in good faith by a building committee in one of the South-western States to architects. To those who are disposed to do work for which they may get \$100 instead of the \$1,050 which would regularly be their due, we will if desired give further information.

"The County Court for — County have determined to erect a new Court House in —, at an early day. As a committee of the Court, we hereby solicit plans and specifications, including drawings and detail work, with full and reliable estimates of itemized costs. Drawings, etc., to be furnished the undersigned at —, on or before the first Saturday in February, 1878. It has been decided to build a house that will not cost more than \$30,000, and the plans and specifications should be for a building which will not exceed that sum. The County Court will pay \$100 for the plan it may adopt, but it reserves the right to reject all plans that may be presented."

**THE MAINE GENERAL HOSPITAL.** — It is shown that it costs \$200 per patient to heat the Maine General Hospital, and an investigation is going on to see if this be really necessary.

**INDIAN MOUNDS.** — Upon opening two Indian mounds on the banks of Lake Monona, near Madison, Wis., two skeletons were found, together with some pieces of pottery and flint arrow-heads. The skeletons were found in a kneeling posture facing the north-east, and were some five feet under ground. The trees growing over the mounds are probably two hundred years old. These are the first skeletons found in mounds around this city, although a number have previously been opened.

**THE INTER-OCEANIC CANAL.** — There seems to be a strong probability that the French or other foreigners may obtain from the Nicaraguan government the exclusive right of building the inter-oceanic canal. This would be peculiarly aggravating, because it was only a single clause which was objected to by the representative of Nicaragua that prevented Mr. Fish from presenting for the approval of the Senate a treaty which would have secured to us the much-to-be-desired privilege of initiating the undertaking.

**IMPROVING INTERIOR NAVIGATION.** — During the past nine years two boats have been employed pulling snags and dredging on the upper Mississippi, and have removed 2,972 snags and 13,937 leaning trees. On the Minnesota River improvement 5,362 leaning trees have been cut, 5,485 snags pulled up, and 2,549 cubic yards of bowlders removed.

**DISCOVERY OF A PRACTICABLE ROUTE TO THE NORTH POLE.** — Capt. Wiggins, an Englishman lately arrived at London from the Jenisei and Obi Rivers, in Siberia, reports that a route is practicable to the North Pole with an open sea all the way. Capt. Wiggins sailed from the capital of Siberia to St. Petersburg, in a schooner of forty tons.

**THE ENGLISH CHANNEL TUNNEL.** — The excavation which has been making for some time at Sangatte has reached a depth of more than three hundred feet below low-water level, and the experimental horizontal gallery is already under way. If during the excavation of this gallery, which is to be only one kilometer (three-fifths of a mile) in length, no insurmountable difficulties are met, work on the real tunnel will be begun forthwith. Two large pumps are necessary to keep the water in check.

**THE LIVERPOOL WATER-SUPPLY.** — It is said that Liverpool has decided to get its water from Wales; an undertaking which will cost more than six millions of dollars.

**SOUTHWELL MINSTER.** — There are rumors that the Chapter of Southwell Minster have determined on very extensive restorations. It is proposed in the first place to re-roof the whole building; to build two spires on the fine Roman towers now standing; to remove the choir-screen, modelled by Bernasconi, and substitute an iron grill of modern make and style, and to make the building much better than new. Of course the scheme is meeting with much opposition from the anti-restorers.

**A NEW FRENCH CANAL.** — About sixty miles below Rouen a maritime canal is probably to be built, starting from Tancarville, passing by Hardeur, and having its lower end at Le Havre, thus doing away with the dangers of navigation in the lower part of the Seine. It will be about eighty feet wide and about twelve feet deep, and the Seine as far as Paris will be dredged out to the same depth. The cost of this improvement will be more than six millions of dollars.

**THE ELECTRIC LIGHT IN BERLIN.** — The first experiment with the electric light in Berlin was made on the 14th of November, in the new synagogue in the Oranienburg street, before a large crowd of people. In the court-yard of the building a stationary apparatus furnished the light, which was conducted over the roof into two of the five round windows, whence the light streamed down on the synagogue below. The effect was astonishing. The light was so brilliant that it illuminated the gallery and the remotest corners of the edifice. The splendor of the light was vivid, but not offensive to the sight. In comparison with gas, the result is as follows: gas, per hour, fifteen dollars; the electric light, one dollar for the same time. The apparatus costs several thousand marks. The synagogue was also lit up outside by the electric light, bringing it out as bright as day, and producing a most magical effect. Gas burned alongside of the electric light looked pale, and was, as it were, thrown into the shade. — *Philadelphia Press.*

**CLOCKS IN THE SOUTH OF FRANCE.** — The clocks in the Basque Provinces of France are made to strike twice; first to give warning, and then to denote the hour. Few of the people can read the time, and frequently no minute-hand is used.

**VENETIAN SEWERAGE.** — The square of St. Mark, in Venice, is often flooded by the spring tides. Engineer Domenico Asti proposes to remove the inconvenience by conduits which will hold the greatest quantity of rain that ever falls in six hours, with self-acting gates, which open at low tide, and exclude the waters of the lagoon at high tides. By an expenditure of \$20,000, he thinks that all inundations can be prevented.

**AN ITALIAN EXHIBITION.** — An international exhibition is to be held at Milan, Italy, in 1879.

**FIRE AND SMOKE ESCAPES.** — Messrs. Sues and Karl's smoke and fire escape consists of a fire-proof ceiling under the roof of the stage, with outlet shafts proportioned to the cubic contents of the stage and auditorium, and high enough to reach above the nearest buildings. In case of fire a valve is opened, and the fire is forced up to the upper air by the current from the auditorium and the stage. The stage is lined with sheet-iron, and has an additional iron ceiling supported by strong rods from the roof, and a funnel in the centre eight feet in diameter, which rises twenty-eight feet above the building. In case of fire, the sliding-valve connected with the funnel can be opened by pulling the handles which are found throughout the house, or by the mere opening of the door, and all the smoke and fire are sucked up through the cylinder. At a test made Dec. 6, at Hooley's Theatre in Chicago, powder, sawdust, and other things that could make a smoke were burned. The house was filled with smoke, but on opening the valve, it disappeared in a minute. Fire Marshal Benner wanted a test with the curtain down, and it was performed with the same satisfactory results. The curtain was rolled up, and not a smell of smoke was left after one minute.

**PRINTING IN COLORS.** — A report comes from Munich, Bavaria, that colored pictures have been produced by a new photographic process. Three photographs are taken. The first is on a plate which is sensitive to yellow rays only; the negative of this is printed by photo-lithography in yellow ink. The second photograph is from a plate only sensitive to blue rays, and the printing from this is with blue ink, overlaying the first printing. The third photograph is of red, and the printing is done with red ink. The colors thus blended in printing are said to give the natural tints, though of this we should require ocular proof before believing so broad a statement.

**THE FRENCH RAILROADS.** — The official returns published by the Ministry of Public Works show that at the beginning of the present year the total length of railways open in France was 12,715 miles, in addition to which there are 3,757 miles in course of construction, or for which a concession has been granted. This total does not comprise 2,887 miles of local railways, and 109 miles of line belonging to mining and other companies.

# AMERICAN ARCHITECT

## AND BUILDING NEWS

A WEEKLY JOURNAL OF CONSTRUCTIVE AND DECORATIVE ART.

Vol. II. No. 54.]

SATURDAY, JANUARY 6, 1877.

[PRICE 15 CENTS.]

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**ARCHITECTS.**

Boston, Jan. 1, 1877.  
**THE CO-PARTNERSHIP** heretofore existing as **HARTWELL & SWASEY, Architects,** is this day dissolved by mutual consent.

**HENRY W. HARTWELL,**  
 ALBERT E. SWASEY.  
 Until further notice Mr. HARTWELL will remain at No. 29 Pemberton Square.  
 Mr. SWASEY has taken offices at No. 10 Pemberton Square.

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Mr. HOYT will be pleased to wait upon Architects, when desired, to explain our methods, and to present for inspection construction plans and estimates for any specific work.

**PROPOSALS.**

**TO MODELLERS AND DECORATIVE SCULPTORS.**

THE Boston Society of Architects offers a prize of fifty dollars for the best model, in plaster or wood, of a frieze decoration. The models are to be executed in relief, and not larger than one by three feet. They are to be delivered at the Architectural rooms of the Massachusetts Institute of Technology, in Boylston Street, Boston, addressed to the Boston Society of Architects, with the name of the workman who executed them, before the first Friday in February, for examination at the meeting of the Society on that day. After adjudication, the approved models will be on exhibition at the Boston Museum of Fine Arts. Modellers and carvers throughout New England are invited to compete. If sufficient encouragement is found, it is intended to offer similar prizes to workmen in other branches of decorative art.

**WORK AND MATERIALS FOR NEW CITY HALL.**—Sealed proposals for the following work and materials will be received by the Board of New City Hall Commissioners of the city and county of San Francisco, Cal., in the room of the Board of Supervisors, corner of Leavenworth and McAllister Streets, between the hours of 12 M. and 1 P. M., Wednesday, Jan. 17, 1877. 1st, Building Two Iron Towers over the Portico on McAllister Street, to be completed within eighteen weeks. 2d, Providing and fixing about 2,100 feet of plate glass, with sash weights, cords, &c.; to be completed within four weeks. 3d, Supplying 2,000 barrels of hydraulic cement; to be delivered within eight weeks. The bids must be indorsed for the work proposed to be done, and addressed to the Board of New City Hall Commissioners, and be delivered to said Board whilst it is in session, and within the hours above named. Payments will be made monthly, in gold and silver coin, of seventy-five per cent of the estimated amounts due, and the remaining twenty-five per cent when the contract is completed. A. J. BRYANT, GEO. F. MAYNARD, W. C. BURNETT, Board of New City Hall Commissioners for the city and county of San Francisco. GEO. W. THOMAS, Secretary.

**HOSPITAL WORK.**—Sealed Proposals will be received by the Trustees of the Columbus Hospital at Columbus, Ohio, until 12 M. Thursday, Jan. 18, 1877, for the following works, to wit: Marble and Slate Mantels, Dumb Waiters and Lifts, Car Elevators, Inside Shutters for Administration Building. Plans and specifications for the same are now on file in the office of the Architect upon the Hospital grounds, for the bidders' inspection. Each bid must be accompanied by a guaranty bond as specified. Bids must be sealed and directed to A. D. ROGERS, Esq., President of the Board of Trustees, and have indorsed thereon what part of the work they are for, and left at the office of the Architect. By order of the Board. T. E. TINSLEY, Architect.

**STEEL TYRES.**—Tenders are invited for the supply of Fifty 4' 8" Steel Tyres for Locomotives on the Grand Trunk Railway. Parties tendering are requested to give name of maker, and, where possible, to quote prices for both Bessemer and Crucible Steel. Further information, if required, can be had on application at the office of the undersigned. "Tender for Steel Tyres" will be received by the undersigned, in Montreal, on or before Tuesday, Jan. 16, 1877. JOSEPH HICKSON, General Manager.

**CHURCH.**—Sealed Proposals will be received up to the 15th of January, 1877, at the office of John A. Hascocoer, Architect, Hammond, Indiana, for building a meeting-house for Indiana Yearly Meeting of Friends, according to plans and specifications which can be seen at his office. C. F. COFFIN, JOHN HENLEY.

**RAILROAD WORK.**—Bids for the construction of the Columbus and Mineral Valley Railroad will be received at the office of the undersigned, in the city of Columbus, Ohio, until noon on the 10th day of January, 1877. Bids may be made for the construction of one or more sections, or for the whole road, and may include all materials necessary to complete it for equipment. The necessary maps, profiles, and estimates for work, can be found at the office of the undersigned, where all required information may be obtained. The company reserves the right to reject any and all bids offered. JOHN M. PUGH, President C. & M. V. Railway Co.

**ARCHITECTS, PLANS.**—The Board of Directors of the Mount Pulaski Public School will pay \$200 to the party furnishing the best plans and specifications for a Public School Building to accommodate 600 pupils. Correspondence solicited. F. D. CASS, Secretary of Board.

**PROPOSALS.**

**GOVERNMENT SALES.**—Sealed proposals are hereby invited for the purchase and removal of the following buildings erected by the United States Government in connection with the International Exhibition of 1876, viz.: 1. The Government Building at intersection of Belmont and Fountain Avenues, in Exhibition grounds, built of frame timber, with iron roof truss, felt roof, and gilded sides; in form of Latin cross; central nave and aisles, 400x100 feet; trans-pt., 300x100 feet, cupola at int r ceiling surmounted by lantern; whole area, 10,540 square feet. Building to be sold as it stands, without exhibits, shuttling or gas fixture, railroad tracks, fire-plugs, hose-apparatus, or lightning-rods, and to be removed as soon after Feb. 1, 1877, as possible. Suitable for foundry, car-shops, ice-house, &c. Proposals will be received at No. 1735 F Street, Washington, D.C., until three P.M., Jan. 15, 1877, when they will be opened and award made. 2. Hospital Building, north of above, size 25x39 feet, and addition 40x14 feet, two stories high; capacity, hospital beds, with rooms for dispensary, offices, store-rooms, kitchen, &c. To be sold as it stands, and removed as soon after Feb. 1, 1877, as possible. Suitable for farm dwelling. Proposals will be received as above, until three P.M., Jan. 15, 1876. Each bid must be accompanied by a certified check for 10 per cent of the amount bid, the check to be forfeited to the Government in case the bidder shall neglect or refuse to complete the purchase by full payment within five days after notice of acceptance of his bid; and no work of removal to be begun until full payment is made. The Government reserves the right to reject all bids not deemed satisfactory. All desired information in respect to the Government Building may be had upon application to this office, or to Lieut. Henry Metcalf, U. S. A., at the building itself in regard to the Hospital Building, of Asst. Surg. J. J. Woodward, Army Medical Museum, Washington, D.C., or to Asst. Surg. H. C. Yarrow, at the building. All bids to be indorsed on envelope, "Bid for Government Building, International Exhibition, No. 6," or "for Hospital Building," as the case may be, and to be addressed to "Col. S. G. Lyford, Chairman Board U. S. Executive Department, D.C." S. G. LYFORD, Lieut.-Col. U.S.A., Chairman of Board, No. 1735 F. Street, north-west, Washington, D.C.

**QUEBEC HARBOR WORKS.**  
**PROPOSED WORKS AT THE MOUTH OF THE RIVER ST. CHARLES.**

Tenders will be received at the office of the Quebec Harbor Commissioners up to noon of Thursday, the first day of February, 1877, for the construction of the following works:

1. A wall and an embankment, forming the North Quay of the proposed South Tidal Harbor.
  2. A wall and an embankment, forming the North Quay of the proposed South West Dock.
  3. The dredging out and the formation of a channel-way parallel to both walls.
  4. The construction of cribwork at the end of the embankment next to the Gas Works.
  5. Cribwork and retaining-walls adjoining the Ballast Wharf.
  6. The construction of a bridge over proposed eighty (80) feet entrance in the north wall of the South Tidal Harbor.
- Plans, specifications, bills of quantities, and form of tender, can be seen at the office of the Commissioners during office hours; and printed copies of the specifications and bills of quantities will be furnished to intending contractors upon making a deposit of fifty dollars, to be returned, after the tenders are opened, to parties sending in bona fide tenders.
- Note that other than the printed form of tender issued by the Commissioners will be received.
- The Commissioners do not bind themselves to accept the lowest or any tender.
- The contractor is to find two respectable and responsible securities, to be approved of by the Commissioners, whose names, addresses, and occupations are to be inserted in full in his tender, and who are willing, with him, to be bound jointly and severally in the sum of \$50,000 for the due fulfillment of the contract, and of any alteration, addition to, or modification thereof, that may be agreed between the Commissioners or their Engineer and the Contractor.
- Tenders for these works will not be considered unless accompanied by an accepted bank check, or other available security, for the sum of \$3,000, which will be returned to unsuccessful competitors as soon as the contract is awarded.

J. B. MARTEL, Secretary-Treasurer.  
 HARBOR COMMISSIONERS' OFFICE,  
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To this class of their patrons the publishers of the *Architect* make a special appeal. A perusal of the prospectus on page v. will indicate the great value the paper will possess for them for its suggestions and discussions of new designs, and as an advertising medium sure to be consulted by architects and designers. The advertising rates printed on this page are reasonable, and orders will be strictly and faithfully filled.

### Building News.

Architects and Builders in all parts of the country are requested to forward for publication in the *American Architect and Building News*, such items of interest in regard to building enterprises in their localities as they may deem of interest. The simple announcement of buildings projected will be acceptable, and it is desirable that the same should be accompanied with the name of the architect and builder when convenient.

### Concerning Agents.

Subscribers to the *American Architect* are reminded that they should pay no money to canvassers or agents of the paper, who have not a special indorsement from us. The publishers will not be responsible for the delivery of the papers unless ordered through their regularly authorized agents.

### To Interior Decorators.

The special attention of Interior Decorators is directed to the announcements made in the prospectus of the *Architect* for 1877, to be found on page v. The illustrations and articles on the topics affecting their manufactures promise to create a wide interest, and will render this paper the most valuable advertising medium in the country for their use. Every pains will be taken to make this feature attractive and instructive to all interested in the matters to be discussed.

### Classified Advertisements.

The following is an alphabetical list of the advertisements which appear in this number of the *AMERICAN ARCHITECT AND BUILDING NEWS*. Our columns furnish an excellent medium for reference to architects and others engaged in building-enterprises, and its value will increase from week to week. Business and professional men have little time to attend to catalogues and circulars, but all desire a publication to which they can refer for desired information. The *AMERICAN ARCHITECT* affords this to the special classes to whose interests it is devoted, and therefore a want which has been long felt is now filled. Advertisers will at once appreciate the excellence and convenience of the arrangement.

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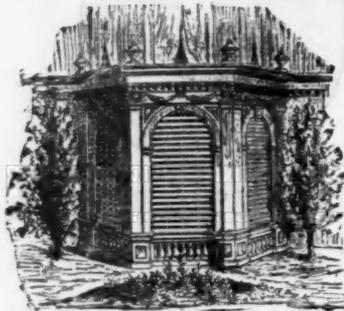
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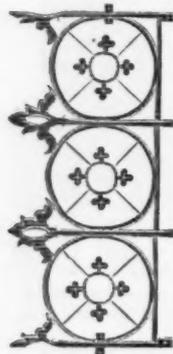
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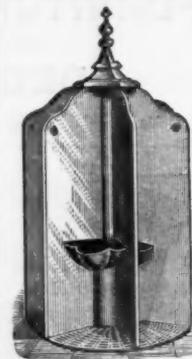
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**Builders in Iron, and Engineers in Fire-Proof Construction,**  
**SPRINGFIELD, MASS.,**

HAVE for many years given their exclusive attention to FIRE-PROOF CONSTRUCTION; and they now invite the correspondence of Architects to the following specialties which hereafter will constitute the leading items of their business:

**FIRE-PROOF FLOORS.** The only floors that have stood fire in this country.

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**FIRE-PROOF LATH.** In the words of one of the best-known architects of this country, "Minimum of metal, maximum of stiffness, maximum of clench; the best lath ever made, either wood or iron." See New York Post-Office; State Department, Washington; Equitable Life Insurance Company's Buildings, and many others.

Mr. HOYT will be pleased to wait upon Architects, when desired, to explain our methods, and to present for inspection construction plans and estimates for any specific work.

**PROPOSALS.**

**TO MODELLERS AND DECORATIVE SCULPTORS.**

THE Boston Society of Architects offers a prize of fifty dollars for the best model, in plaster or wood, of a frieze decoration. The models are to be executed in relief, and not larger than one by three feet. They are to be delivered at the Architectural rooms of the Massachusetts Institute of Technology, in Boylston Street, Boston, addressed to the Boston Society of Architects, with the name of the workman who executed them, before the first Friday in February, for examination at the meeting of the Society on that day. After adjudication, the approved models will be on exhibition at the Boston Museum of Fine Arts. Modellers and carvers throughout New England are invited to compete. If sufficient encouragement is found, it is intended to offer similar prizes to workmen in other branches of decorative art.

**CUT STONE WORK.**  
Proposals will be received at the office of LAMBERT & BUNNELL, ARCHITECTS, BRIDGEPORT, CONN., until 12 M. Jan. 30, 1877, for the providing of and setting all the cut stone work in the two fronts of a Banking Building for the Bridgeport Savings Bank.  
All the work in the two fronts to be of some light colored suitable granite, and have a 10 steel finish.  
The architects reserve the right to reject all bids which they may deem not for the interest of the bank.  
Plans and specifications can be seen at the office of the Architects.  
E. S. HAWLEY, President.  
Bridgeport, Jan. 10, 1877.

**WORK AND MATERIALS FOR NEW CITY HALL.**—Sealed proposals for the following work and materials will be received by the Board of New City Hall Commissioners of the city and county of San Francisco, Cal., in the room of the Board of Supervisors, corner of Leavenworth and McAllister Streets, between the hours of 12 M. and 1 P. M., Wednesday, Jan. 17, 1877. 1st, Building Two Iron Towers over the Portico on McAllister Street, to be completed within eighteen weeks. 2d, Providing and fixing about 2,100 feet of plate glass, with sash weights, cords, &c., to be completed within four weeks. 3d, Supplying 2,000 barrels of hydraulic cement; to be delivered within eight weeks. The bids must be indorsed for the work proposed to be done, and addressed to the Board of New City Hall Commissioners, and be delivered to said Board whilst it is in session, and within the hours above named. Payments will be made monthly, in gold and silver coin, of seventy-five per cent of the estimated amounts due, and the remaining twenty-five per cent when the contract is completed. A. J. BLYAET, GEO. F. MAYNARD, W. C. BURNETT, Board of New City Hall Commissioners for the city and county of San Francisco. GEO. W. THOMAS, Secretary.

**GOVERNMENT SALES.**—Sealed proposals are hereby invited for the purchase and removal of the following buildings erected by the United States Government in connection with the International Exhibition of 1876, viz.: 1. The Government Building at intersection of Belmont and Fountain Avenues, in Exhibition grounds, built of frame timber, with iron roof truss, felt roof, and glazed sides; in form of Latin cross; central nave and aisles, 400x100 feet; transept, 300x100 feet, cupola at intersection surmounted by lantern; whole area, 10,540 square feet. Building to be sold as it stands, without exhibits, shifting, or gas fixture, railroad tracks, fire-plugs, hose-apparatus, or lightning-rods, and to be removed as soon after Feb. 1, 1877, as possible. Suitable for foundry, car-shops, ice-house, &c. Proposals will be received at No. 1735 F Street, Washington, D.C., until three P.M., Jan. 15, 1877, when they will be opened and award made. 2. Hospital Building, north of above, size 35x29 feet, and addition 40x14 feet, two stories high; capacity, hospital beds, with rooms for dispensary, offices, store-rooms, kitchen, &c. To be sold as it stands, and removed as soon after Feb. 1, 1877, as possible. Suitable for farm dwelling. Proposals will be received as above, until three P.M., Jan. 15, 1876. Each bid must be accompanied by a certified check for 10 per cent of the amount bid, the check to be forfeited to the Government in case the bidder shall neglect or refuse to complete the purchase by full payment within five days after notice of acceptance of his bid; and no work of removal to be begun until full payment is made. The Government reserves the right to reject all bids not deemed satisfactory. All desired information in respect to the Government Building may be had upon application to this office, or to Lieut. Henry Metcalf, U. S. A., at the building itself; in regard to the Hospital Building, of Asst. Surg. J. J. Woodward, Army Medical Museum, Washington, D.C., or to Asst. Surg. H. C. Yarrow, at the building. All bids to be indorsed on envelope, "Bid for Government Building, International Exhibition, No. 1" or "for Hospital Building," as the case may be, and to be addressed to "Col. S. G. Leford, Chairman Board U. S. Executive Department, D.C." S. G. LYFORD, Lieut. Col. U. S. A., Chairman of Board, No. 1735 F. Street, north-west, Washington, D.C.

**PROPOSALS.**

**HOSPITAL WORK.**—Sealed Proposals will be received by the Trustees of the Columbus Hospital at Columbus, Ohio, until 12 M. Thursday, Jan. 18, 1877, for the following works, to wit: Marble and Stone Mantels, Dumb Waiters and Lifts, Car Elevators, Inside Shutters, for Administration Building. Plans and specifications for the same are now on file in the office of the Architect upon the Hospital grounds, for the bidders' inspection. Each bid must be accompanied by a guaranty bond as specified. Bids must be sealed and directed to A. D. Rodgers, Esq., President of the Board of Trustees, and have indorsed thereon what part of the work they are for, and left at the office of the Architect. By order of the Board. T. H. TINSLEY, Architect.

**STEEL TYRES.**—Tenders are invited for the supply of Fifty 4' 8" Steel Tyres for Locomotives on the Grand Trunk Railway. Parties tendering are requested to give name of maker, and, where possible, to quote prices for both Bessemer and Crucible Steel. Further information, if required, can be had on application at the office of the General Storekeeper, Point St. Charles. Tenders indorsed "Tender for Steel Tyres" will be received by the undersigned, in Montreal, on or before Tuesday, Jan. 16, 1877. JOSEPH HICKSON, General Manager.

**CHURCH.**—Sealed Proposals will be received up to the 15th of January, 1877, at the office of John A. Hascoco, Jr., Architect, Richmond, Indiana, for building a meeting-house for Indiana Yearly Meeting of Friends, according to plans and specifications which can be seen at his office. C. F. COFFIN, JOHN HENLEY.

**QUEBEC HARBOR WORKS.**  
PROPOSED WORKS AT THE MOUTH OF THE RIVER ST. CHARLES.  
Tenders will be received at the office of the Quebec Harbor Commissioners up to noon of Thursday, the first day of February, 1877, for the construction of the following works:—  
1. A wall and an embankment, forming the North Quay of the proposed South tidal Harbor.  
2. A wall and an embankment, forming the North Quay of the proposed South West tidal Harbor.  
3. The dredging out and the formation of a channel-way parallel to both walls.  
4. The construction of cribwork at the end of the embankment next to the Gas Works.  
5. Cribwork and retaining-walls adjoining the Ballast Wharf.  
6. The construction of a bridge over proposed eighty (80) feet entrance in the north wall of the South tidal Harbor.  
Plans, specifications, bills of quantities, and form of tender, can be seen at the office of the Commissioners during office hours; and printed copies of the specifications and bills of quantities will be furnished to intending contractors upon making a deposit of fifty dollars, to be returned, after the tenders are opened, to parties sending in bona fide tenders.  
None other than the printed form of tender issued by the Commissioners will be received.  
The Commissioners do not bind themselves to accept the lowest or any tender.  
The contractor is to find two respectable and responsible securities, to be approved of by the Commissioners, whose names, addresses, and occupations are to be inserted in full in his tender, and who are willing, with him, to be bound jointly and severally in the sum of \$50,000 for the due fulfillment of the contract, and of any alterations, addition to, or modification thereof, that may be agreed between the Commissioners or their Engineer and the Contractor.  
Tenders for these works will not be considered unless accompanied by an accepted bank check, or other available security, for the sum of \$1,000, which will be returned to unsuccessful competitors as soon as the contract is awarded.  
J. B. MARTEL, Secretary-Treasurer.  
HARBOR COMMISSIONERS' OFFICE,  
QUEBEC, 20th November, 1876.

**W. J. McPHERSON & CO.,**

Ecclesiastical,

Memorial, and Domestic

**STAINED GLASS WORKS,**

440 TREMONT STREET, BOSTON, MASS.

**BURDITT & WILLIAMS,**

MANUFACTURERS AND DEALERS IN

**BUILDERS' HARDWARE**

of all kinds, both useful and ornamental. A specially complete stock of

**FINE BRONZE HARDWARE**

of the latest patterns.

Bronze and Brass Hardware manufactured to order from our own patterns, or from architects' drawings.

20 DOCK SQUARE, BOSTON.

MANUFACTORY 19 WAREHAM STREET.

**ARCHITECTURAL STUDENTS AND DRAFTSMEN,** who can give good references, may make it profitable to act as agents for the AMERICAN ARCHITECT AND BUILDING NEWS.

Such agents are wanted in all parts of the country, but none are authorized to act without a written indorsement from the publishers.

JAMES R. OSGOOD & CO.

BUILDING MATERIALS.

LATEST NEW YORK QUOTATIONS.

Jan. 12, 1877.

BRICK. Nominally. Cargo Afloat. Pale... Jersey... Long Island... Haverstraw Bay... Haverstraw Bay, choice... Brick held at \$6.50 and \$7.00 for Hards, but no sales above last quotations.

FRONTS. Croton - Brown... Croton - Dark... Croton - Red... Philadelphia... Trenton... Baltimore... For delivery, add \$5 on Philadelphia and Trenton, and \$6 on Baltimore.

CEMENT. Rosendale... Portland... Roman... Keene's coarse... Keene's fine

FIRE BRICK. Red Welsh... Scotch... American

DOORS, WINDOWS, AND BLINDS. DOORS, RAISED PANELS, TWO SIDES. 2.0 x 6.0... 2.6 x 6.6... 2.6 x 6.8... 2.8 x 6.8... DOORS, MOULDED. 2.0 x 6.0... 2.6 x 6.6... 2.6 x 6.8... 2.6 x 7.0... 2.8 x 6.8... 2.8 x 7.0... 2.10 x 6.10... 3.0 x 7.0...

GLAZED WINDOWS. 12 Lights, 8 Lights, 4 Lights. Dimensions of 12 Lights, 8 Lights, 4 Lights. 2.1 x 3.6... 2.4 x 3.10... 2.7 x 4.6... 2.7 x 4.10... 2.7 x 5.2... 2.7 x 5.6... 2.7 x 6.10... 2.10 x 4.6... 2.10 x 5.2... 2.10 x 5.6... 2.10 x 6.10...

OUTSIDE BLINDS. Per lineal foot, up to 2.10 wide... Per lineal foot, up to 3.1 wide... Per lineal foot, up to 3.4 wide... Per lineal foot, painted and trimmed...

INSIDE BLINDS. Per lineal foot, 4 folds, Pine... Per lineal foot, 4 folds, Ash or Chestnut... Per lineal foot, 4 folds, Cherry or Butternut... Per lineal foot, 4 folds, Black Walnut...

WINDOW FRAMES. Up to 3.4 x 7.2, put together... HAIR. - Duty free. Cattle... Goat...

LIME. State, common, cargo rate... State, finishing... Rockland, common... Rockland, finishing... Ground... Add 25 c. to above figures for yard rates.

GLASS. Duty. - Window, Polished Cylinder, and Crown, not over 10 x 15 in., 2 1/2 in. P sq. ft.; larger, and not over 16 x 24 in., 4 in. P sq. ft.; larger, and not over 24 x 30 in., 6 in. P sq. ft.; above that, and not exceeding 24 x 60 in., 20 in. P sq. ft.; all above that, 40 in. P sq. ft. On Unpolished Cylinder, Crown, and Common Window, not exceeding 10 x 15 in., sq., 1 1/2 in.; over that, and not over 16 x 24, 2 in.; over that, and not over 24 x 30, 2 1/2 in.; all over that, 3 in. P lb.

FRENCH WINDOW. List of March 1, 1876. SINGLE THICK - per box of 50ft. Sizes. x 8 - 7 x 9... 15 x 10 - 10 x 15... 16 x 14 - 12 x 16... 16 x 18 - 14 x 24... 18 x 24 - 15 x 32... 20 x 32 - 20 x 30... 21 x 30 - 15 x 38... 21 x 34 - 22 x 36... 24 x 36 - 24 x 40... 24 x 42 - 28 x 42... 26 x 46 - 30 x 48... 30 x 50 - 32 x 52... 32 x 54 - 34 x 56... 34 x 58 - 34 x 60... 36 x 60 - 40 x 60...

DOUBLE THICK. 6 x 8 - 7 x 9... 8 x 10 - 10 x 15... 11 x 14 - 12 x 16... 11 x 18 - 14 x 24... 15 x 24 - 15 x 32... 16 x 32 - 20 x 30... 22 x 30 - 15 x 38... 26 x 34 - 22 x 36... 24 x 36 - 24 x 40... 24 x 42 - 28 x 42... 26 x 46 - 30 x 48... 30 x 50 - 32 x 52... 32 x 54 - 34 x 56... 34 x 58 - 34 x 60... 36 x 60 - 40 x 60... Sizes above, \$15 per box extra for every five inches. An additional 10 per cent will be charged for all glass more than 40 inches wide. All sizes above 52 inches in length, and not making more than 81 united inches, will be charged in the 84 united inches bracket. Discount to the trade, 50 and 10 @ 50 and 10 and 5 per cent.

AMERICAN WINDOW, per box of 50ft. Sizes. 6 x 8 - 10 x 15... 11 x 14 - 12 x 13... 10 x 16 - 14 x 26... 18 x 22... 26 x 26 - 20 x 30... 25 x 30 - 24 x 30... 21 x 28 - 24 x 30... 26 x 36 - 26 x 44... 28 x 44 - 30 x 50... 30 x 52 - 30 x 54... 30 x 56 - 34 x 56... 34 x 58 - 34 x 60... 36 x 60 - 40 x 60... Above \$12 per box extra for every five inches. Discount, 70 @ 75 per cent. Also sold at 60 @ 60 and 5 from French list.

GREENHOUSE, SKYLIGHT, AND FLOOR GLASS. Per square foot, net cash. 1/2 Fluted plate... 3-16 Fluted plate... 1/2 Fluted plate... 1/2 Rough plate... 1/2 Rough plate... FOREIGN WOODS. - Duty free. CEDAR. Cuba... Mexican, small... Mexican, large... Florida... St. Domingo, crotches, ordinary to good... St. Domingo, crotches, fine... St. Domingo, logs, small... St. Domingo, logs, large... Cuba, logs, small... Cuba, logs, large... Frontera, Mexican, large... Frontera, Mexican, small... Other Mexican... Honduras... Bahia, ordinary to good... Rio Janeiro, good to fine... Bahia, ordinary to good... Bahia, good to fine... Honduras... Satinwood... Tulipwood... Lignumvite, small... Lignumvite, large... LATH. - Cargo rate... LUMBER. Pine, very choice, and extra dry, P M ft... Pine, good... Pine, shipping box... Pine, common box... Pine, tally plank, 1 1/2, 10 in., dressed each... Pine, tally plank, 1 1/2, 24 quality... Pine, tally planks, 1 1/2, culls... Pine, tally boards, dressed, good... Pine, tally boards, dressed, common... Pine, tally boards, culls... Pine, strip boards, merchantable... Pine, strip boards, clear... Pine, strip plank, dressed, clear... Spruce boards, dressed... Spruce plank, 1 1/2 in. dressed... Spruce wall strips... Hemlock boards, each... Hemlock joist, 2 1/2 x 4... Hemlock joist, 3 x 4... Hemlock joist, 4 x 6... Ash, good... Oak... Maple... Chestnut boards, lin... Chestnut plank... Cypress, 1, 1 1/2, 2, and 2 1/2 in... Black Walnut, good... Black Walnut, selected and seasoned... Black Walnut counters... Cherry, good... Whitewood, chair plank... Whitewood, inch... Whitewood, 1/2 in... Whitewood, 3/4 panels... Shingles, extra shaved pine, 18 in. P M... Shingles, extra shaved pine, 16 in... Shingles, extra sawed pine, 18 in... Shingles, clear sawed pine, 18 in... Shingles, cypress, 24 x 7... Shingles, cypress, 20 x 6... Yellow pine dressed flooring... Yellow pine girders... Locust posts, 8 ft... Locust posts, 10 ft... Locust posts, 12 ft... Chestnut posts... Cargo rates 10 per cent. off.

PAINTS AND OILS. Chalk... China clay... Whiting... Paris white, Eng. (gold)... Zinc, white, American, dry... Zinc, white, American, in oil, pure... Lead, white, American, dry... Lead, white, American, in oil, pure... Lead, red, American... Litharge, American... Ochre, French, dry (gold)... Ochre, in oil (currency)... Venetian red, English (gold)... Spanish brown, dry... Spanish brown, in oil... Vermilion, Am. Quicksilver (gold)... Vermilion, Trieste (gold)... Carmine, American, gold... Chrome yellow, genuine, dry... Chrome yellow, in oil... Orange Mineral English, gold... Putty, pure, pure, dry... Sienna, raw (American)... Sienna, burnt, American... Sienna, burnt, in oil... Sienna, raw, in oil... Umber, burnt... Umber, burnt, in oil... Umber, raw... Umber, raw in oil... Black, Lamp, Coach... Black, Lamp, ordinary... Black Paint, in oil, kegs... Black Paint, in asst'd, cans... PLASTER PARIS. Duty. - 20 per cent. ad val. on calcined; lump, free. Nova Scotia, white... Nova Scotia, blue... Calcined, Eastern and city... Calcined, city casting... Calcined, city superline... SLATE. Delivered at New York. Purple roofing slate... Green slate... Red slate... Black slate, Pennsylvania (at Jersey City)... Peach bottom (nominally)... Slate tiles, 1 1/2 in., rubbed, P sq. ft. delivered... SOLDERS. No. 1... No. 2... TIN PLATES. - Duty, 1-10c. P lb. I. C. charcoal, 10 x 14, P box (cur)... I. C. coke, 10 x 14... I. X. charcoal, 10 x 14... I. C. charcoal, 14 x 20... I. X. charcoal, 14 x 20... I. C. coke, 14 x 20... I. C. coke, terme, 14 x 20... I. C. charcoal, terme, 14 x 20... ZINC. - Duty, sheet, P lb. 2 1/2 c. Sheet (good)... LEAD. Bar... Sheet... Pipe... A decline of 1/2 cent. Discount 10 per cent to trade. IRON. Duty. - Bar, 1 to 1 1/2 in. P lb.; Railroad, 70c. P 100 lb; Boiler and Plate, 1 1/2 in. P lb; Sheet, Band, Hoop and Scroll, 1 1/2 to 1 3/4 in. P lb; Pig, 87 P lb; Scrap Sheet, 3c. P lb; Galvanized, 2 1/2 c. P lb; Scrap Cast, 66 P lb; Scrap Wrought, 88 P lb; all less 10 per cent. No Bar Iron to pay a less duty than 35 per cent ad val. Pig, Scotch, Coltness... Pig, Scotch, Gartsherrie... Pig, Scotch, Glengarnock... Pig, Scotch, Eglinton... Pig, American, No 1... Pig, American, No 2... Pig, American, Forge... Bar, refined, English and American... Bar, Swedes, assorted sizes (gold)...

THE BOSTON MARKET.

Jan. 12, 1877.

Builders' Hardware. The opening of the new year has brought few changes in the prices of hardware building materials, the prices of many goods being now less than in 1860. There has been a slight advance in mortise door locks of the better grades, and a great decline in cheap locks. The prices of iron door butts have slightly declined. All other goods are without change. While it is undoubtedly true that the staple hardware goods throughout the country are paying very little or no profit to the manufacturers, the demand in the immediate future is likely to be so small that no important advance in prices is to be expected.

NAILS. 10d... 10d... 8d... AXLE PULLEYS - Steel. 2 in., Pennsylvania make... 2 in., Boston make... SASH WEIGHTS... SASH LINE... DOOR BUTTS. Size - 4 x 4 5 x 5 Japanned Acorn... Plain Bronzed Iron... Ornamental Bronzed Iron... Ornamental Bronze Metal... [CONTINUED ON NEXT PAGE.]

**THE BOSTON MARKET—Continued.**

**Builders' Hardware.**

**MORTISE LOCKS**—Brass face and bolt—easy spring.

3/4 to 4 1/2 in. .... \$8 75 to \$16 00  $\frac{1}{2}$  dozen.

Do., for front doors. .... \$3 25 each.

Factory make, plain front. .... 5 50 each.

Factory make, bronze front. .... 8 00 each.

**DOOR KNOBS.**  $\frac{1}{2}$  Set.

Solid glass. .... \$ 50

Silvered glass. .... 1 10

Cut glass. .... 3 00

Nickel plated. .... 2 00

Bronze metal. .... 2 50

**SASH FASTS.**  $\frac{1}{2}$  Dozen.

Plain brass. .... \$1 75 to \$2 50

Plain brass, self-locking. .... 6 50 to 7 50

Nickel plated, self-locking. .... 4 50

Bronze metal, self-locking. .... 5 00 to 12 00

**SCREWS.**  $\frac{1}{2}$  Gross.

Round head, nickel plated } ..... \$2 25 } 1 1/2 in.

for window beads, } ..... 1 1/2 } 1 1/2 in.

**STORE DOOR HANDLES**—with mortise latch.  $\frac{1}{2}$  Set.

Lacquered brass. .... \$3 50

Bronze metal. .... 7 00

**D. M. MEEKER & SON'S**  
**Malleable Iron Hollow Muntin Window Sash.**  
 For Insane Hospitals, Fire Proof Buildings, &c.



The use of these Sashes gives perfect security without the usual gratings that have a prison-like appearance. Wherever introduced both architects and medical superintendents testify to their worth. Manufactured by

**D. M. MEEKER & SON,**  
 Newark, N.J.

Fine Castings of Malleable and Gray Iron, German Silver, and Composition; also Patterns a specialty.

**PROTECT YOUR HOUSES AGAINST Damage by Water, BY USING Wellington's Patent Wash-Bowl.**

The use of this new and invaluable improvement precludes all possibility of overflow, by which buildings are so often damaged to the extent of thousands of dollars.

It can be introduced at the cost of the ordinary wash-bowl. This guaranty accompanies every basin sold to our patrons:—

We hereby pledge ourselves to remove our basins, and replace them with any other kind now in use, that parties interested may select, without expense to them, immediately on their failure to fulfil the following conditions, provided the trap is kept in running order:—

- 1st. We warrant our trap to remain free and open as long or longer than any other trap used with wash-bowls, and they are easily cleaned in case of stoppage.
- 2d. No overflow or leakage of any kind will occur.
- 3d. No sewer gas will escape from the drain or pipe, or any offensive smell arise from them.
- 4th. These bowls will remain free and clear from any accumulation of soap or grease or other offensive matter in the space between the inner and outer bowls.

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**SCOTCH AND AMERICAN Chimney Tops and Garden Vases**  
 OF ALL SIZES AND PATTERNS.

Drain and Sewer Pipe, Fire-Brick and Tile, Land Tile.  
 American, Roman, and Portland Cement,  
 LIME, SAND, &c.  
**WALDO BROTHERS,**  
 No. 94 Water Street, BOSTON.

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 Of the latest Styles and Most Thorough Workmanship.  
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**BOSTON.**  
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**JAMES E. OSGOOD & CO., Boston.**

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 THE ONLY MANUFACTURERS IN NEW ENGLAND.

Large Assortment of the Latest Improved Designs.  
 Low-down and Half Low-down  
**Dumping and Shaking Grates.**  
 BRASS FENDERS AND ANDIRONS OF ANTIQUE PATTERNS.  
 We guarantee our goods to be the  
**BEST IN QUALITY AND FINISH.**  
 Tuttle & Bailey Registers a specialty.  
 Can furnish at lowest prices to the trade.  
 It will not pay to come 500 miles expressly to examine our stock, better to send for Catalogue and prices.  
**MURDOCK PARLOR-GRATE CO.,**  
 11 Marshall Street, Boston.

**ART INSTITUTE FOR STAINED GLASS**  
 AND PORTRAITS IN GLASS,  
 131 133, & 135 Shawmut Avenue,  
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**OTTO F. FALCK & SCHWABE.**  
 Designs furnished on application.

**National Fine Art Foundry,**  
 218 East 25th Street, New York,  
 Artistic Bronze Decoration for Buildings, Monuments, and Altars.  
 Architects' Designs executed, and designs furnished for special subjects.  
 Artistic Monuments in Granite and Bronze.

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 Invented 1850.  
 SPECIMENS OF TWENTY-FIVE YEARS' STANDING can be shown looking much fresher than any other paint of two years.  
 It emits no poisonous gas like other paints while drying. Its surface is a perfect enamel, from which any specks of dirt may easily be removed.  
 It is unequalled for beauty, durability, and economy.  
 OFFICE AND STORE 145 MILK STREET, BOSTON.

**MEMORIAL STAINED GLASS WINDOWS**  
**KELLEY & HOLLAND**  
 ECCLESIASTICAL & DOMESTIC  
**GLASS STAINERS**  
 21-27 FINE ST. BOSTON

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 "Turning over these pages is like gathering around a fire-side to listen to the bright and entertaining stories of a friend who has travelled and kept his eyes well open. Only Mr. Hoppin's pencil is more eloquent and witty than most men's tongues."—Boston Journal.  
**JAMES E. OSGOOD & CO., Boston.**



## The American Architect and Building News.

PUBLISHED WEEKLY BY  
**JAMES R. OSGOOD & CO.,**  
WINTHROP SQUARE.....BOSTON.

A JOURNAL OF CONSTRUCTIVE AND DECORATIVE ART,  
DEVOTED TO THE INTERESTS OF ARCHITECTS,  
BUILDERS, DECORATORS, ETC.

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### Subscriptions for 1877.

The readiness and alacrity with which the patrons of the *Architect* have renewed their subscriptions for 1877 afford the most encouraging indication of its future success. It proves that the aims of the publishers are appreciated by the intelligent classes to whom the paper appeals. Every friend of this journal can best add to its prosperity by subscribing for it, or by inducing some friend whom it will benefit to do the same.

### First Class Furniture Manufacturers.

To this class of their patrons the publishers of the *Architect* make a special appeal. A perusal of the prospectus on page v will indicate the great value the paper will possess for them for its suggestions and discussions of new designs, and as an advertising medium sure to be consulted by architects and designers. The advertising rates printed on this page are reasonable, and orders will be strictly and faithfully filled.

### Building News.

Architects and Builders in all parts of the country are requested to forward for publication in the *American Architect and Building News*, such items of interest in regard to building enterprises in their localities as they may deem of interest. The simple announcement of buildings projected will be acceptable, and it is desirable that the same should be accompanied with the name of the architect and builder when convenient.

### Concerning Agents.

Subscribers to the *American Architect* are reminded that they should pay no money to canvassers or agents of the paper, who have not a special indorsement from us. The publishers will not be responsible for the delivery of the papers unless ordered through their regularly authorized agents.

### To Interior Decorators.

The special attention of Interior Decorators is directed to the announcements made in the prospectus of the *Architect* for 1877, to be found on page v. The illustrations and articles on the topics affecting their manufactures promise to create a wide interest, and will render this paper the most valuable advertising medium in the country for their use. Every pains will be taken to make this feature attractive and instructive to all interested in the matters to be discussed.

### Classified Advertisements.

The following is an alphabetical list of the advertisements which appear in this number of the *AMERICAN ARCHITECT AND BUILDING NEWS*. Our columns furnish an excellent medium for reference to architects and others engaged in building-enterprises, and its value will increase from week to week. Business and professional men have little time to attend to catalogues and circulars, but all desire a publication to which they can refer for desired information. The *AMERICAN ARCHITECT* affords this to the special classes to whose interests it is devoted, and therefore a want which has been long felt is now filled. Advertisers will at once appreciate the excellence and convenience of the arrangement.

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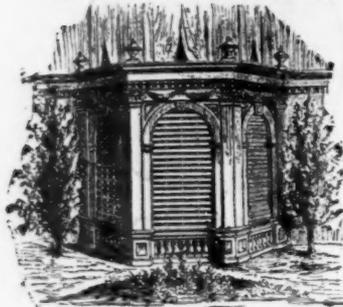
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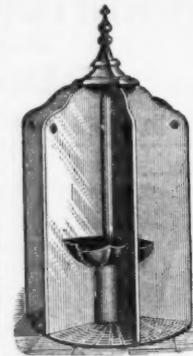
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**ARCHITECTS.**

Boston, Jan. 1, 1877.

**THE CO-PARTNERSHIP** heretofore exist-  
ing as **HARTWELL & SWASEY, Architects,**  
is this day dissolved by mutual consent.

**HENRY W. HARTWELL,**  
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Until further notice **Mr. HARTWELL** will remain at No. 29  
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**Mr. SWASEY** has taken offices at No. 10 Pemberton Square.

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tion construction plans and estimates for any specific work

**PROPOSALS.**

**TO MODELLERS AND DECORATIVE**  
SCULPTORS.

THE Boston Society of Architects offers a prize of  
fifty dollars for the best model, in plaster or wood, of a  
frieze decoration. The models are to be executed in  
relief, and not larger than one by three feet. They are  
to be delivered at the Architectural rooms of the Mass-  
achusetts Institute of Technology, in Boylston Street,  
Boston, addressed to the Boston Society of Architects,  
with the name of the workman who executed them,  
before the first Friday in February, for examination at  
the meeting of the Society on that day. After adjudica-  
tion, the approved models will be on exhibition at  
the Boston Museum of Fine Arts. Modellers and  
carvers throughout New England are invited to com-  
pete. If sufficient encouragement is found, it is in-  
tended to offer similar prizes to workmen in other  
branches of decorative art.

**QUEBEC HARBOR WORKS.**  
PROPOSED WORKS AT THE MOUTH OF THE  
RIVER ST. CHARLES.

Tenders will be received at the office of the Quebec  
Harbor Commissioners up to noon of Thursday, the first  
day of February, 1877, for the construction of the following  
works:—

1. A wall and an embankment, forming the North Quay  
of the proposed South Tidal Harbor.
2. A wall and an embankment, forming the North Quay  
of the proposed South West Dock.
3. The dredging out and the formation of a channel-way  
parallel to both walls.
4. The construction of cribwork at the end of the embank-  
ment next to the Gas Works.
5. Cribwork and retaining-walls adjoining the Ballast  
Wharf.
6. The construction of a bridge over proposed eighty (80)  
feet entrance in the north wall of the South Tidal Harbor.

Plans, specifications, bills of quantities, and form of  
tender, can be seen at the office of the Commissioners  
during office hours; and printed copies of the specifications  
and bills of quantities will be furnished to intending con-  
tractors upon making a deposit of fifty dollars, to be re-  
turned, after the tenders are opened, to parties sending in  
good *fidé jure* tenders.

None other than the printed form of tender issued by the  
Commissioners will be received.  
The Commissioners do not bind themselves to accept the  
lowest or any tender.

The contractor is to find two respectable and responsible  
-certificates, to be approved by the Commissioners, whose  
names, addresses, and occupations are to be inserted in full  
in his tender, and who are willing, with him, to be bound  
jointly and severally in the sum of \$50,000 for the due fulfil-  
ment of the contract, and of any alteration, addition to, or  
modification thereof, that may be agreed between the Com-  
missioners or their Engineer and the Contractor.

Tenders for these works will not be considered unless ac-  
companied by an accepted bank check, or other available  
security, for the sum of \$2,000, which will be returned to  
unsuccessful competitors as soon as the contract is  
awarded.

**J. B. MARTEL, Secretary-Treasurer.**  
HARBOR COMMISSIONERS' OFFICE,  
QUEBEC, 20th November, 1876.

**CUT STONE WORK.**  
Proposals will be received at the office of LAMBERT  
& BUNNELL, ARCHITECTS, BRIDGEPORT, CONN., until 12 M.  
Jan. 20, 1877, for the providing of and setting all the cut  
stone work in the two fronts of a Banking Building for the  
Bridgeport Savings Bank.

All the work in the two fronts to be of some light colored  
suitable granite, and have a 10 steel finish.

The architects reserve the right to reject all bids which  
they may deem not for the interest of the bank.

Plans and specifications can be seen at the office of the  
Architects.  
E. S. HAWLEY, President.

Bridgeport, Jan. 10, 1877.

**BUILDING.**—Sealed bids will be received  
at the next regular meeting of the common council,  
Terre Haute, Ind. First, for the erection of a dwelling  
house for the sexton of the city cemetery. Second, also for  
an office and waiting room, connected with a stone arch, at  
the entrance to the city cemetery. Plans and specifications  
are on file at the city clerk's office. The council reserves  
the right to reject any or all bids, the bids to be separate, and  
enclosed in separate envelopes. By order of the common  
council at the meeting of Dec. 19. JOHN G. HEINL, Chair-  
man.

**PROPOSALS.**

**RAILROAD CROSS-TIES.**—Sealed Propo-  
sals will be received by the Board of Trustees of the  
Cincinnati Southern Railway until Monday, Jan. 29, 1877, at  
12 o'clock, noon, for furnishing two hundred and twenty  
thousand (220,000) Cross-Ties, to be delivered at grade along  
the line of the Cincinnati Southern Railway, from Emory  
Gap to Chattanooga.

Bidders will state the number of Ties they propose to  
furnish, and the point of delivery. Printed forms must be  
used, and directed to the Board of Trustees of the Cinci-  
nati Southern Railway, No. 70 West Third St., Cincinnati.  
Specifications can be had at the office of G. Bonscaren,  
Consulting Engineer, No. 70 West Third Street, Cincinnati;  
or of S. Whinery, District Engineer, Chattanooga, Tenn.  
The Board reserves the right to reject any or all bids.

By order of the Board. MILES GREENWOOD, Presi-  
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Table with columns for Brick (Nominally, Cargo Afloat), Jersey, Long Island, Up-River, Haverstraw Bay, and Haverstraw Bay. Includes prices per M and per 1000.

Table for Fronts (Croton - Brown, Croton - Dark, Croton - Red, Philadelphia, Trenton, Baltimore) with prices per M and per 1000.

Table for CEMENT (Portland, Rosendale, Roman, Keene's coarse, Keene's fine) with prices per barrel.

Table for PIPE BRICK (Red Welsh, Scotch, American) with prices per 1000.

Table for DOORS, WINDOWS, AND BLINDS (Doors, Raised Panels, Two Sides) with prices per door.

Table for DOORS, MOULDED (Doors, 1 1/2 in., 2 in., 2 1/2 in., 3 in.) with prices per door.

Table for GLAZED WINDOWS (Dimensions, 12 Lights, 8 Lights, 4 Lights) with prices per window.

Table for OUTSIDE BLINDS (Per lineal foot, up to 2.10 wide, up to 3.1 wide, up to 3.4 wide) with prices per foot.

Table for INSIDE BLINDS (Per lineal foot, 4 folds, Pine, Ash or Chestnut, Cherry or Butternut, Black Walnut) with prices per foot.

Table for WINDOW FRAMES (Up to 3.4 x 7.2, put together) with price per frame.

Table for HAIR (Duty free, Cattle, Goat) with prices per bushel.

Table for LIME (State, common, cargo rate, State, finishing, Rockland, common, Rockland, finishing, Ground) with prices per barrel.

Table for GLASS (Duty - Window, Polished Cylinder, and Crown, not over 10 x 15 in., 2 1/2 c. per sq. ft.) with prices per square foot.

Table for FRENCH WINDOW (List of March 1, 1876, Single Thick - per box of 50ft, Sizes, 7 x 9, 8 x 10, 10 x 15, 11 x 14, 12 x 16, 13 x 18, 14 x 24, 15 x 32, 16 x 30, 17 x 36, 18 x 42, 19 x 48, 20 x 54, 21 x 60, 22 x 66, 23 x 72, 24 x 84, 25 x 90, 26 x 96, 27 x 102, 28 x 108, 29 x 114, 30 x 120) with prices per box.

Table for DOUBLE THICK (6 x 8 - 7 x 9, 8 x 10 - 10 x 15, 11 x 14 - 12 x 16, 13 x 18 - 14 x 24, 15 x 24 - 15 x 32, 16 x 32 - 20 x 30, 22 x 30 - 15 x 36, 20 x 34 - 22 x 36, 24 x 36 - 24 x 40, 24 x 42 - 28 x 42, 26 x 46 - 30 x 48, 30 x 50 - 32 x 52, 32 x 54 - 34 x 56, 34 x 58 - 34 x 60, 36 x 60 - 40 x 60) with prices per box.

Sizes above, \$15 per box extra for every five inches. An additional 10 per cent will be charged for all glass more than 40 inches wide. All sizes above 52 inches in length, and not making more than 81 united inches, will be charged in the 84 united inches bracket.

Table for AMERICAN WINDOW, per box of 50ft (Sizes, 6 x 8 - 10 x 15, 11 x 14 - 12 x 13, 10 x 16 - 14 x 26, 18 x 22, 26 x 26 - 20 x 30, 25 x 30 - 24 x 30, 21 x 28 - 24 x 36, 26 x 36 - 26 x 44, 28 x 44 - 30 x 50, 30 x 52 - 30 x 54, 30 x 56 - 34 x 56, 34 x 58 - 34 x 60, 36 x 60 - 40 x 60) with prices per box.

Above \$12 per box extra for every five inches. Discount to the trade, 5 and 10 @ 50 and 10 and 5 per cent.

Table for GREENHOUSE, SKYLIGHT, AND FLOOR GLASS (Per square foot, net cash, 1/4 Fluted plate, 1/4 Fluted plate, 1/4 Rough plate, 1/4 Rough plate, 1/4 Rough plate) with prices per square foot.

Table for FOREIGN WOODS - Duty free (Cuba, St. Domingo, ordinary to good, St. Domingo, crotches, fine, St. Domingo, logs, small, Cuba, logs, large, Cuba, logs, large, Frontera, Mexican, large, Other Mexican, Honduras) with prices per superficial foot or cubic foot.

Table for ROSEWOOD (Rio Janeiro, ordinary to good, Rio Janeiro, good to fine, Bahia, ordinary to good, Bahia, good to fine, Honduras, St. Domingo, P superflicial foot, Tulipwood, Lignumvita, small, Lignumvita, large) with prices per superficial foot or ton.

Table for LATH - Cargo rate (Pine, very choice, and extra dry, Pine, good, Pine, shipping box, Pine, common box, Pine, common box, Pine, tally plank, Pine, tally plank, Pine, tally plank, Pine, tally boards, dressed, good, Pine, tally boards, dressed, common, Pine, tally boards, culls, Pine, strip boards, merchantable, Pine, strip boards, clear, Pine, strip plank, dressed, clear, Spruce boards, dressed, Spruce plank, 1 1/2 in. dressed, Spruce plank, 2 in., Spruce wall strips, Spruce timber, Hemlock boards, Hemlock joist, Hemlock joist, Hemlock joist, Ash, good, Oak, Maple, Chestnut boards, Chestnut plank, Black Walnut, good, Black Walnut, 1 1/2, 2, and 2 1/2 in., Black Walnut, selected and seasoned, Black Walnut counters, Cherry, good, Whitewood, chair plank, Whitewood, inch, Whitewood, 1/2 in., Whitewood, 3/4 panels, Shingles, extra shaved pine, 18 in., Shingles, extra shaved pine, 16 in., Shingles, extra shaved pine, 15 in., Shingles, clear sawed pine, 18 in., Shingles, cypress, 24 x 7, Shingles, cypress, 20 x 6, Yellow pine dressed flooring, Yellow pine girders, Locust posts, 8 ft., Locust posts, 10 ft., Locust posts, 12 ft., Chestnut posts) with prices per M ft. or per ton.

Table for LUMBER (Pine, very choice, and extra dry, Pine, good, Pine, shipping box, Pine, common box, Pine, common box, Pine, tally plank, Pine, tally plank, Pine, tally plank, Pine, tally boards, dressed, good, Pine, tally boards, dressed, common, Pine, tally boards, culls, Pine, strip boards, merchantable, Pine, strip boards, clear, Pine, strip plank, dressed, clear, Spruce boards, dressed, Spruce plank, 1 1/2 in. dressed, Spruce plank, 2 in., Spruce wall strips, Spruce timber, Hemlock boards, Hemlock joist, Hemlock joist, Hemlock joist, Ash, good, Oak, Maple, Chestnut boards, Chestnut plank, Black Walnut, good, Black Walnut, 1 1/2, 2, and 2 1/2 in., Black Walnut, selected and seasoned, Black Walnut counters, Cherry, good, Whitewood, chair plank, Whitewood, inch, Whitewood, 1/2 in., Whitewood, 3/4 panels, Shingles, extra shaved pine, 18 in., Shingles, extra shaved pine, 16 in., Shingles, extra shaved pine, 15 in., Shingles, clear sawed pine, 18 in., Shingles, cypress, 24 x 7, Shingles, cypress, 20 x 6, Yellow pine dressed flooring, Yellow pine girders, Locust posts, 8 ft., Locust posts, 10 ft., Locust posts, 12 ft., Chestnut posts) with prices per M ft. or per ton.

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PAINTS AND OILS.

Table for PAINTS AND OILS (Chalk, China clay, Whiting, Paris white, Eng. (gold), Zinc, white, American, in oil, pure, Lead, white, American, in oil, pure, Lead, red, American, Litharge, American, Ochre, French, dry (gold), Ochre, in oil (currency), Venetian red, English (gold), Spanish brown, dry, Spanish brown, in oil, Vermilion, Am. Quicksilver (gold), Vermilion, Trieste (gold), Carmine, American, gold, Chrome yellow, genuine, dry, Chrome yellow, in oil, Orange Mineral English, gold, Paris green, pure, dry, Putty, pure, Sienna, raw (American), Sienna, burnt, American, Sienna, burnt, in oil, Umber, burnt, in oil, Umber, raw, in oil, Umber, raw in oil, Black, Lamp, Coach, Black, Lamp, ordinary, Black Paint, in oil, kegs, Black Paint, in asst'd, cans) with prices per ton or per barrel.

Table for PLASTER PARIS (Duty, - 29 per cent. ad val. on calcined; lumpy, free, Nova Scotia, white, Nova Scotia, blue, Calcined, Eastern and city, Calcined, city casting, Calcined, city superfine) with prices per ton.

Table for SLATE (Delivered at New York, Purple roofing slate, Green slate, Red slate, Black slate, Pennsylvania (at Jersey City), Peach bottom (nominally), Slate tiles, 1 1/2 in., rubbed, delivered) with prices per square foot or per ton.

Table for SOLDERS (No. 1, No. 2) with prices per pound.

Table for TIN PLATES - Duty, 1-lb. (I. C. charcoal, 10 x H., P box, I. C. coke, 10 x 14, I. C. charcoal, 14 x 20, I. X. charcoal, 14 x 20, I. C. coke, 14 x 20, I. C. coke, terme, 14 x 20, I. C. charcoal, terme, 14 x 20) with prices per box or per ton.

Table for ZINC - Duty, sheet, Sheet (gold), LEAD, Bar, Sheet, Pipe, A decline of 1/2 cent, Discount 10 per cent to trade.

Table for IRON (Duty - Bar, 1 to 1 1/2 c. P lb; Railroad, 70c. P 100 lb; Boiler and Plate, 1 1/2 c. P lb; Sheet, Band, Hoop and Scrol, 1 1/2 to 1 3/4 c. P lb; Pig, 87 P ton; Polished Sheet, 3c. P lb; Galvanized, 2 1/2 c. P lb; Scrap Cast, \$6 P ton; Scrap Wrought, \$8 P ton - all less 10 per cent. No Bar Iron to pay a less duty than 35 per cent ad val. Pig, Scotch, Coltness, Pig, Scotch, Gartsherrie, Pig, Scotch, Clegharnock, Pig, Scotch, Eglington, Pig, American, No. 1, Pig, American, No. 2, Pig, American, Forge, Bar, refined, English and American, Bar, Swedes, assorted sizes (gold)) with prices per ton or per hundred pounds.

THE BOSTON MARKET.

Jan. 19, 1877.

Table for BUILDERS' HARDWARE (NAILS, 10d, 10d, 8d) with prices per cask.

Table for AXLE PULLEYS - Steel (2 in., Pennsylvania make, 2 in., Boston make) with prices per dozen.

Table for SASH WEIGHTS, SASH LINE, Best hemp, Best linen) with prices per hundred pounds.

Table for DOOR BUTTS (Japanned Acorn, Plain Bronzed Iron, Ornamental Bronzed Iron, Ornamental Bronze Metal) with prices per pair.

Table for MORTISE LOCKS - Brass face and bolt - easy spring, 3 1/2 to 4 1/2 in., Do., for front doors, Factory make, plain front, Factory make, bronze front, Boston make, plain front) with prices per lock.

Table for DOOR KNOBS (Solid glass, Silvered glass, Cut glass, Nickel plated, Bronze metal) with prices per set.

[CONTINUED ON NEXT PAGE.]

**THE BOSTON MARKET—Continued.**

**Builders' Hardware.**

<b>SASH FASTS.</b>		Per Dozen.
Plain brass	.....	\$1 75 to \$2 50
Plain brass, self-locking	.....	6 50 to 7 50
Nickel plated, self-locking	.....	4 50
Bronze metal, self-locking	.....	5 00 to 12 00
<b>SCREWS.</b>		Per Gross.
Round head, nickel plated	.....	\$2 25 \$2 90
for window beads,	1 1/4" 1 1/2 in.	
<b>STORE DOOR HANDLES— with mortise latch.</b>		
Lacquered brass	.....	Per Set. \$3 50
Bronze metal	.....	7 00

**D. M. MEEKER & SON'S**  
**Malleable Iron Hollow Munten Window Sash.**  
 For Insane Hospitals, Fire Proof Buildings, &c.



The use of these Sashes gives perfect security without the usual gratings that have a prison-like appearance. Wherever introduced both architects and medical superintendents testify to their worth. Manufactured by

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 Newark, N.J.

Fine Castings of Malleable and Gray Iron, German Silver, and Composition; also Patterns a specialty.

**PROTECT YOUR HOUSES AGAINST Damage by Water, BY USING**

**Wellington's Patent Wash-Bowl.**

The use of this new and invaluable improvement precludes all possibility of overflow, by which buildings are so often damaged to the extent of thousands of dollars.

It can be introduced at the cost of the ordinary wash-bowl. This guaranty accompanies every basin sold to our patrons:—

We hereby pledge ourselves to remove our basins, and replace them with any other kind now in use, that parties interested may select, without expense to them, immediately on their failure to fulfill the following conditions, provided the trap is kept in running order:—

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- 2d. No overflow or leakage of any kind will occur.
- 3d. No sewer gas will escape from the drain or pipe, or any offensive smell arise from them.
- 4th. These bowls will remain free and clear from any accumulation of soap or grease or other offensive matter in the space between the inner and outer bowls.

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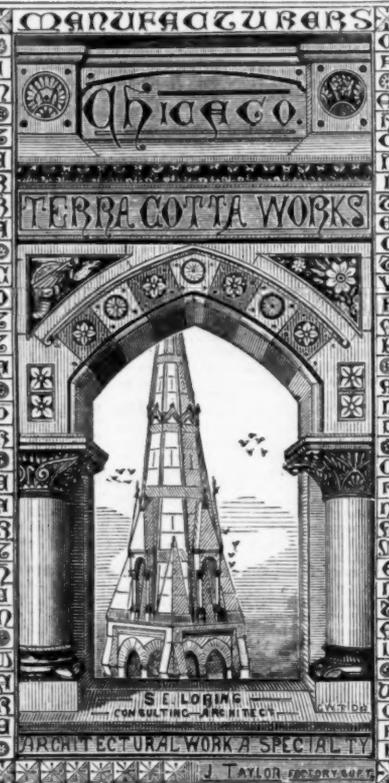
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 Tuttle & Bailey Registers a specialty.  
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PUBLISHED WEEKLY BY  
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The readiness and alacrity with which the patrons of the *Architect* have renewed their subscriptions for 1877 afford the most encouraging indication of its future success. It proves that the aims of the publishers are appreciated by the intelligent classes to whom the paper appeals. Every friend of this journal can best add to its prosperity by subscribing for it, or by inducing some friend whom it will benefit to do the same.

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To this class of their patrons the publishers of the *Architect* make a special appeal. A perusal of the prospectus on page v. will indicate the great value the paper will possess for them for its suggestions and discussions of new designs, and as an advertising medium sure to be consulted by architects and designers. The advertising rates printed on this page are reasonable, and orders will be strictly and faithfully filled.

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Architects and Builders in all parts of the country are requested to forward for publication in the *American Architect and Building News*, such items of interest in regard to building enterprises in their localities as they may deem of interest. The simple announcement of buildings projected will be acceptable, and it is desirable that the same should be accompanied with the name of the architect and builder when convenient.

### Concerning Agents.

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### To Interior Decorators.

The special attention of Interior Decorators is directed to the announcements made in the prospectus of the *Architect* for 1877, to be found on page v. The illustrations and articles on the topics affecting their manufactures promise to create a wide interest, and will render this paper the most valuable advertising medium in the country for their use. Every pains will be taken to make this feature attractive and instructive to all interested in the matters to be discussed.

### Classified Advertisements.

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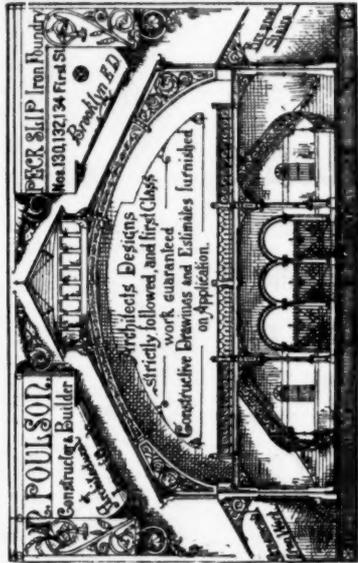


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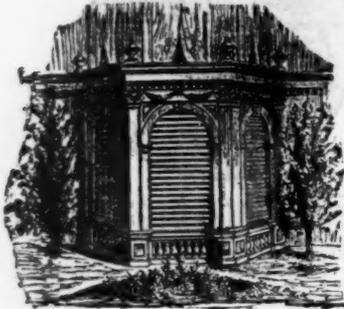


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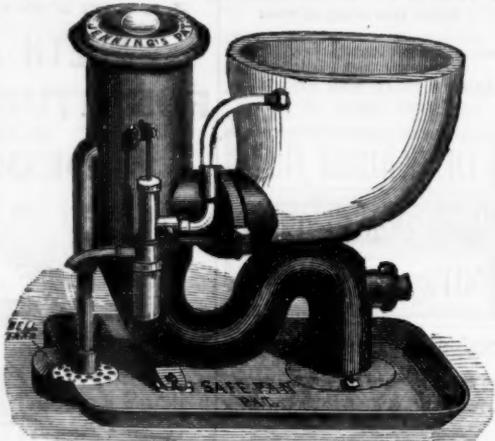
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**VENTILATION.—IMPROVED WALL AND WINDOW VENTILATORS,** that will supply pure air, without dust or cold draughts, and adapted to large or small rooms. Call or send for Circulars. W. H. KIMBALL, 120 Tremont Street, Boston.

**FOR MARBLE FLOORING TILES,** Address GEO. BARNEY, Swanton, Vt.

**ARCHITECTS.**

**THE CO-PARTNERSHIP** heretofore existing as **HARTWELL & SWASEY, Architects,** is this day dissolved by mutual consent.

**HENRY W. HARTWELL,** ALBERT E. SWASEY. Until further notice Mr. HARTWELL will remain at No. 29 Pemberton Square. Mr. SWASEY has taken offices at No. 10 Pemberton Square.

**WALTER DICKSON, ARCHITECT, FERRY BUILDING, Albany, N. Y.**

**OFFICES OF FRANK W. WESTON,** (Late WESTON & HARD,) ARCHITECT, 125 DEVONSHIRE ST., AND 23 FEDERAL ST., BOSTON.

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(Established 1848.) **L. HABERSTROH & SON,** FRESCO PAINTERS, and INTERIOR DECORATORS, No. 12 SCHOOL STREET, BOSTON.

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**WILLIAM S. BRAZER,** DECORATOR AND DESIGNER, No. 9 HAMILTON PLACE, BOSTON. Opp. Park-Street Church.

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**W. H. WARREN,** BUILDER AND CONTRACTOR, Nos. 485 & 490 HARRISON AVENUE, BOSTON.

**MEAD, MASON, & CO., BUILDERS.** Steam Mill at Concord, N. H. Offices, 10 Canal Street, Boston, and Concord and Manchester, N. H. Churches and Public Buildings a specialty. Estimates given.

**C. H. HALL, Stair Builder, and Manufacturer** of Stationary Wash Stands, 37 Haverhill St., Boston. Posts, Rails, Balusters, & Office Rails, furnished to order.

**GEO. DWIGHT, JR., & CO.,** Builders in Iron, and Engineers in Fire-Proof Construction, **SPRINGFIELD, MASS.**

HAVE for many years given their exclusive attention to **FIRE-PROOF CONSTRUCTION;** and they now invite the correspondence of Architects to the following specialties which hereafter will constitute the leading items of their business:

**FIRE-PROOF FLOORS.** The only floors that have stood fire in this country.

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**FIRE-PROOF SHUTTERS.** Have stood many fires in all parts of the country. Over 6000 pairs put up in Boston after the fire. Saved the city of Springfield last year.

**FIRE-PROOF LATH.** In the words of one of the best-known architects of this country: "Minimum of metal, maximum of strength, maximum of elench; the best lath ever made, either wood or iron." See New York Post-Office; State Department, Washington; Equitable Life Insurance Company's Buildings, and many others.

Mr. DWIGHT will be pleased to wait upon Architects, when desired, to explain our methods, and to present for inspection construction plans and estimates for any specific work.

**COMPETITIONS.**

**TO MODELLERS AND DECORATIVE SCULPTORS.**

THE Boston Society of Architects offers a prize of fifty dollars for the best model, in plaster or wood, of a frieze decoration. The models are to be executed in relief, and not larger than one by three feet. They are to be delivered at the Architectural rooms of the Massachusetts Institute of Technology, in Boylston Street, Boston, addressed to the Boston Society of Architects, with the name of the workman who executed them, before the first Friday in February, for examination at the meeting of the Society on that day. After adjudication, the approved models will be on exhibition at the Boston Museum of Fine Arts. Modellers and carvers throughout New England are invited to compete. If sufficient encouragement is found, it is intended to offer similar prizes to workmen in other branches of decorative art.

**JAIL.—CARTER COUNTY, KY.,** has, by the authority vested in its Court, decided to build a County Jail, and has appointed the undersigned Commissioner to superintend the building of the same, and has directed that I shall give public notice that I will receive proposals and plans for the same, together with bids for the completion of the work or any part of said work. Said Jail is to be built of stone or brick, or part of stone and part of brick, with steel or stone cells. All proposals, plans, and bids will be fairly presented to the County Court, at its next March term; and, should the Court accept the bid of any one, the party will be required to enter into a bond, with good surety, for the completion of said Jail according to the contract and directions of said Commissioner in all respects. The Jail to be completed by the first day of October, 1877. Any one wishing to confer with me personally, or by letter, can find me at the office of the Grayson Banking Company, in Grayson, Carter County, Ky. C. C. MAGANN, Commissioner. January 15, 1877.

**PROPOSALS.**

**BRIDGE.—** Sealed proposals will be received by the Commissioner of Lawrence County, Ind., at the Auditor's office in Bedford, up to 12 o'clock, noon, of Friday, the 9th day of February, 1877, for the building of a bridge across White River, at Davis's Ferry, near Bedford. Separate bids will be received for the masonry, approaches, filling, rip-rap, and timber; and separate bids for the superstructure. Also bids will be received for both or all classes of work—a bridge complete. Said bridge to be about 560 feet long, with roadway 16 feet wide, standing on piers rising about 34 feet above low water mark. Each bidder will furnish his own plans and detailed specifications, accompanied by a bond signed by good and sufficient sureties, guaranteeing the faithful performance of the work in case the contract is awarded. The Board reserves the right to reject any or all bids. JEREMIAH E. DEAN, Auditor, Lawrence County, Ind.

**BRIDGE REPAIRS.—** Sealed proposals will be received at the Auditor's office, Franklin County, O., until 12 o'clock, noon, Feb. 16, 1877, for plans, material, and work necessary to re-enforce, strengthen, and repair the superstructure of the iron bridge over the Olentangy River, on King Avenue, in the city of Columbus. Each bidder will be required to furnish detailed specifications of the plan upon which he proposes to make said repairs. Plans and general data of the bridge may be seen at the office of the County Auditor. The Board of County Commissioners reserve the right to reject any or all bids. By order of the County Commissioners. L. T. STRADER, County Auditor.

**TO STEAM-FITTERS, PLUMBERS, AND OTHERS.** The Board of Directors of the British America Assurance Company are now prepared to receive tenders for the heating, plumbing, and gas-fitting of their new buildings now in the course of erection in Toronto, Can. The buildings have a frontage of eighty feet by a depth of one hundred and six feet. Copies of the plans and specifications may be inspected at the agency of the British America Assurance Company, No. 81 Cedar Street, New York; Hamilton Bruce, agent. Tenders to be addressed to F. A. Ball, Esq., manager of the British America Assurance Company, Toronto, Ontario, not later than the 31st inst. The Board of Directors do not bind themselves to accept the lowest or any tender. Toronto, January, 1877.

**PROPOSALS.**

**PROPOSALS FOR WORK AT NATIONAL MILITARY CEMETERY.**

OFFICE NATIONAL CEMETERIES, WASHINGTON, D.C. Jan. 15, 1877. Sealed proposals in triplicate, with a copy of this advertisement attached to each, will be received at this office until Monday, Feb. 26, 1877, for the construction of a Superintendent's Lodge, of brick or stone, at the Cave Hill National Cemetery near Louisville, Ky. The work during its progress will be frequently inspected by a competent engineer, and a strict compliance with the terms of the contract will be required. The right is reserved to reject any or all bids not deemed of interest to the Government. Copies of plans and specifications may be seen, and blank forms of proposals procured, at this office, and at the Quartermaster's offices in New York City, corner of Houston and Greene Streets; at Louisville, Ky.; St. Louis, Mo.; and Atlanta, Ga. Proposals should be indorsed, "Proposals for Lodge at Cave Hill National Cemetery," and addressed to the undersigned. They will be opened at noon on the date specified, when bidders are invited to be present. A. F. ROCKWELL, Capt. and A. Q. M.

**GAS FITTING—GAS WORKS.—** Sealed proposals will be received until 2 o'clock, P.M., of Wednesday, Feb. 28, 1877, at which time said proposals will be opened for all Gas Fitting, Gas Works, either or both, necessary to light the Eastern Asylum for the Insane, with gas in accordance with plans, specifications, and conditions, adopted by the Board of Commissioners. Said plans can be examined at the office of the Superintendent, at Point St. Michel, on and after Wednesday, Feb. 14, 1877. For further information or for bidding blanks, address C. M. WELLS, Superintendent. By order of the Board.

**SCHOOL.—** Sealed proposals will be received until February 1, 1877, for building a Frame School House in the north end of Mendota township, Dakota County, Minn. Plans and specifications can be seen at Workman & Friedman's drug store, Sixth Ward, St. Paul. Address either T. T. SMITH, J. W. McGRATH, or C. D. PIERCE, Building Committee.

**BRIDGE BUILDERS.—** A Howe Truss Bridge to be built across the Wisconsin River, between the cities of Grand Rapids and Crosslin. The lowest bidder gets the job. For particulars meet Bridge Committee, Jan. 25, at County Clerk's Office, Grand Rapids, Wis.

**RAILROAD CROSS-TIES.—** Sealed Proposals will be received by the Board of Trustees of the Cincinnati Southern Railway until Monday, Jan. 29, 1877, at 12 o'clock, noon, for furnishing two hundred and twenty thousand (220,000) Cross-Ties, to be delivered at grade along the line of the Cincinnati Southern Railway, from Emory Gap to Chattanooga.

Bidders will state the number of Ties they propose to furnish, and the point of delivery. Printed forms must be used, and directed to the Board of Trustees of the Cincinnati Southern Railway, No. 70 West Third St., Cincinnati. Specifications can be had at the office of G. BONSACREN, Consulting Engineer, No. 70 West Third Street, Cincinnati; or of S. W. WERRY, District Engineer, Chattanooga, Tenn. The Board reserves the right to reject any or all bids. By order of the Board. MILES GREENWOOD, President. G. BONSACREN, Consulting Engineer.

**QUEBEC HARBOR WORKS.**

PROPOSED WORKS AT THE MOUTH OF THE RIVER ST. CHARLES. Tenders will be received at the office of the Quebec Harbor Commissioners up to noon of Thursday, the first day of February, 1877, for the construction of the following works:— 1. A wall and an embankment, forming the North Quay of the proposed South Tidal Harbor. 2. A wall and an embankment, forming the North Quay of the proposed South Wet Dock. 3. The dredging out, and the formation of a channel-way parallel to both walls. 4. The construction of cribwork at the end of the embankment next to the Gas Works. 5. Cribwork and retaining-walls adjoining the Ballast Wharf. 6. The construction of a bridge over proposed eighty (80) feet entrance in the north wall of the South Tidal Harbor. Plans, specifications, bills of quantities, and form of tender, can be seen at the office of the Commissioners during office hours; and printed copies of the specifications and bills of quantities will be furnished to intending contractors upon making a deposit of fifty dollars, to be returned, after the tenders are opened, to parties sending in bona fide tenders. None other than the printed form of tender issued by the Commissioners will be received. The Commissioners do not bind themselves to accept the lowest or any tender. The contractor is to find two respectable and responsible securities, to be approved of by the Commissioners, whose names, addresses, and occupations are to be inserted in full in his tender, and who are willing with him, to be bound jointly and severally in the sum of \$50,000 for the due fulfillment of the contract, and of any alteration, addition to, or modification thereof, that may be agreed between the Commissioners or their Engineer and the Contractor. Tenders for these works will not be considered unless accompanied by an accepted bank check, or other available security, for the sum of \$1,000, which will be returned to unsuccessful competitors as soon as the contract is awarded. J. B. MARTEL, Secretary-Treasurer. HARBOR COMMISSIONERS' OFFICE, QUEBEC, 24th November, 1876.

**CUT STONE WORK.**

Proposals will be received at the office of LAMBERT & BUNNELL, ARCHITECTS, BRIDGEPORT, CONN., until 12 M. Jan. 30, 1877, for the providing of and setting of all cut stone work in the two fronts of a Banking Building for the Bridgeport Savings Bank. All the work in the two fronts to be of some light colored suitable granite, and have a 10 steel finish. The architects reserve the right to reject all bids which they may deem not for the interest of the bank. Plans and specifications can be seen at the office of the Architects. E. S. HAWLEY, President. Bridgeport, Jan. 10, 1877.

**BUILDING.—** Sealed bids will be received at the next regular meeting of the common council, Terre Haute, Ind. First, for the erection of a dwelling house for the sexton of the city cemetery. Second, also for an office and waiting room, connected with a stone arch, at the entrance to the city cemetery. Plans and specifications are on file at the city clerk's office. The council reserves the right to reject any or all bids, the bids to be separate, and enclosed in separate envelopes. By order of the common council at the meeting of Dec. 19. JOHN G. HEINL, Chairman.

BUILDING MATERIALS.

LATEST NEW YORK QUOTATIONS.

Jan. 28, 1877.

BRICK. Nominally. Cargo Afloat. Pale. Jersey. Long Island. Up-River. Haverstraw Bay, choice. Haverstraw Bay.

FRONTS. Croton - Brown. Croton - Dark. Croton - Red. Philadelphia. Trenton. Baltimore.

CEMENT. Rosendale. Portland. Roman. Keene's coarse. Keene's fine.

FIRE BRICK. Red Welsh. Scotch. American.

DOORS, WINDOWS, AND BLINDS. DOORS, RAISED PANELS, TWO SIDES. 2.0 x 6.0. 2.6 x 6.0. 2.6 x 6.8. 2.8 x 6.8.

DOORS, MOULDED. Size. 2.0 x 6.0. 2.6 x 6.0. 2.6 x 6.8. 2.8 x 6.8. 2.8 x 7.0. 2.8 x 7.0. 2.10 x 6.10. 3.0 x 7.0.

GLAZED WINDOWS. Dimensions of Windows. 2.1 x 3.6. 2.4 x 3.10. 2.7 x 4.6. 2.7 x 4.10. 2.7 x 5.2. 2.7 x 5.6. 2.7 x 5.10. 2.10 x 4.6. 2.10 x 5.2. 2.10 x 5.6. 2.10 x 5.10.

OUTSIDE BLINDS. Per lineal foot, up to 2.10 wide. Per lineal foot, up to 3.1 wide. Per lineal foot, up to 3.4 wide. Per lineal foot, painted and trimmed.

INSIDE BLINDS. Per lineal foot, 4 folds, Pine. Per lineal foot, 4 folds, Ash or Chestnut. Per lineal foot, 4 folds, Cherry or Butternut. Per lineal foot, 4 folds, Black Walnut.

WINDOW FRAMES. Up to 3.4 x 7.2, put together. HAIR. Cattle. Goat.

LIME. State, common, cargo rate. State, finishing. Rockland, common. Rockland, finishing. Ground.

GLASS. Duty. Window, Polished Cylinder, and Crown, not over 10 x 15in. State, finishing. Rockland, common. Rockland, finishing. Ground.

FRENCH WINDOW. List of March 1, 1876. SINGLE THICK - per box of 50ft. Sizes. x 8 - 7 x 9. 15 x 10 - 10 x 15. 16 x 14 - 12 x 16. 16 x 18 - 14 x 24. 18 x 24 - 15 x 32. 20 x 32 - 20 x 30. 21 x 30 - 15 x 38. 21 x 31 - 22 x 36. 21 x 36 - 24 x 40. 21 x 42 - 28 x 42. 26 x 46 - 30 x 48. 30 x 50 - 32 x 52. 32 x 54 - 34 x 56. 34 x 58 - 34 x 60. 36 x 60 - 40 x 60.

DOUBLE THICK. 6 x 8 - 7 x 9. 8 x 10 - 10 x 15. 11 x 14 - 12 x 16. 11 x 18 - 14 x 24. 15 x 24 - 15 x 32. 16 x 32 - 20 x 30. 22 x 30 - 15 x 38. 20 x 31 - 22 x 36. 21 x 36 - 24 x 40. 21 x 42 - 28 x 42. 26 x 46 - 30 x 48. 30 x 50 - 32 x 52. 32 x 54 - 34 x 56. 34 x 58 - 34 x 60. 36 x 60 - 40 x 60.

Sizes above, \$15 per box extra for every five inches, more than 40 inches wide. An additional 10 per cent will be charged for all glass more than 40 inches wide. All sizes above 52 inches in length, and not making more than 81 united inches, will be charged in the 84 united inches bracket.

AMERICAN WINDOW, per box of 50ft. Sizes. 6 x 8 - 10 x 15. 11 x 14 - 12 x 13. 10 x 16 - 14 x 26. 18 x 22. 26 x 26 - 20 x 30. 25 x 30 - 24 x 30. 21 x 28 - 24 x 36. 26 x 36 - 26 x 44. 28 x 44 - 30 x 60. 30 x 52 - 30 x 54. 30 x 56 - 34 x 56. 34 x 58 - 34 x 60. 36 x 60 - 40 x 60.

Above \$12 per box extra for every five inches, Discount, 70 @ 75 per cent. Also sold at 60 @ 60 and 5 cent from French list.

GREENHOUSE, SKYLIGHT, AND FLOOR GLASS. Per square foot, net cash. 1/4 Fluted plate. 3/4 Fluted plate. 1/2 Rough plate. 3/4 Rough plate. 1/2 Rough plate. 3/4 Rough plate.

FOREIGN WOODS. - Duty free. CEDAR. Cuba. Mexican, small. Mexican, large. Florida. MAHOGANY. St. Domingo, crotches, ordinary to good. St. Domingo, crotches, fine. St. Domingo, logs, small. St. Domingo, logs, large. Cuba, logs, small. Cuba, logs, large. Frontera, Mexican, large. Frontera, Mexican, small. Other Mexican. Honduras.

ROSEWOOD. Rio Janeiro, ordinary to good. Rio Janeiro, good to fine. Bahia, ordinary to good. Bahia, good to fine. Honduras. Satiwood. Tulipwood. Lignumvitae, small. Lignumvitae, large.

LATH. - Duty free. LUMBER. Pine, very choice, and extra dry. Pine, good. Pine, shipping box. Pine, common box. Pine, common box, 1/2. Pine, tally plank, 1 1/2, 10in., dressed each. Pine, tally plank, 1 1/2, 2d quality. Pine, tally boards, dressed, good. Pine, tally boards, dressed, common. Pine, tally boards, culls. Pine, strip boards, merchantable. Pine, strip boards, clear. Pine, strip plank, dressed, clear. Spruce boards, dressed. Spruce plank, 1 1/2in. dressed. Spruce plank, 2in. Spruce wall strips. Spruce timber. Hemlock boards. Hemlock joist, 2 1/2 x 4. Hemlock joist, 3 x 4. Hemlock joist, 4 x 6. Ash, good. Oak. Maple. Chestnut boards, 1in. Chestnut plank. Cypress, 1, 1 1/2, 2, and 2 1/2in. Black Walnut, good. Black Walnut, 1/2. Black Walnut, selected and seasoned. Black Walnut counters. Cherry, good. Whitewood, hair plank. Whitewood, inch. Whitewood, 1/2in. Whitewood, 3/4 panels. Shingles, extra shaved pine, 16in. Shingles, extra shaved pine, 18in. Shingles, extra shaved pine, 18in. Shingles, clear sawed pine, 16in. Shingles, cypress, 24 x 7. Shingles, cypress, 20 x 6. Yellow pine dressed flooring. Yellow pine girders. Locust posts, 10ft. Locust posts, 12ft. Chestnut posts, 10ft. Cargo rates 10 per cent. off.

PAINTS AND OILS. Chalk. China clay. Whiting. Paris white, Eng. (gold). Zinc, white, American, dry. Zinc, white, American, in oil, pure. Lead, white, American, in oil, pure. Lead, red, American. Litharge, American. Ochre, French, dry (gold). Ochre, in oil (currency). Venetian red, English (gold). Spanish brown, dry. Spanish brown, in oil. Vermilion, Am. Quicksilver (gold). Vermilion, Trieste (gold). Carmine, American, gold. Chrome yellow, genuine, dry. Chrome yellow, in oil. Orange Mineral English, gold. Putty, pure, pure, dry. Sienna, raw (American). Sienna, burnt, American. Sienna, burnt, in oil. Sienna, raw, in oil. Umber, burnt. Umber, burnt, in oil. Umber, raw. Umber, raw in oil. Black, Lamp, Coach. Black, Lamp, ordinary. Black Paint, in oil kegs. Black Paint, in asst'd, cans.

PLASTER PARIS. Duty. - 20 per cent. ad val. on calcined; lump, free. Nova Scotia, white. Nova Scotia, blue. Calcined, Eastern and city. Calcined, city casting. Calcined, city supreme.

SLATE. Delivered at New York. Purple roofing slate. Green slate. Red slate. Black slate, Pennsylvania (at Jersey City). Peach bottom (nominally). Slate tiles, 1 1/2in., rubbed, per sq. ft. delivered.

SOLDERS. No. 1. No. 2.

TIN PLATES. - Duty, 1 1/2-10c. I. C. charcoal, 10 x 14. I. C. coke, 10 x by 14. I. X. charcoal, 10 x 14. I. C. charcoal, 14 x 20. I. X. charcoal, 14 x 20. I. C. coke, 14 x 20. I. C. coke, terme, 14 x 20. I. C. charcoal, terme, 14 x 20.

ZINC. - Duty, sheet, 2 1/2c. Sheet (gold). LEAD. Bar. Sheet. Pipe. A decline of 1/2 cent. Discount 10 per cent to trade.

IRON. Duty. - Bar, 1 to 1 1/2c. Boiler and Plate, 1 1/2c. Sheet, Band, Hoop and Scroll, 1 1/2 to 1 3/4c. Scrap Cast, Scrap Wrought, Scrap Iron to pay a less duty than 35 per cent ad val. Fig. Scotch, Coltness. Fig. Scotch, Gartsherrie. Fig. Scotch, Glengarnock. Fig. Scotch, Eglinton. Fig. American, No 1. Fig. American, No 2. Fig. American, Forge. Bar, refined, English and American. Bar, Swedes, assorted sizes (gold).

THE BOSTON MARKET.

Builders' Hardware. NAILS. 10d. 10d. 8ft. AXLE PULLEYS - Steel. 2in., Pennsylvania make. 2in., Boston make. SASH WEIGHTS. SASH LINE. Best hemp. Best linen. DOOR BUTTS. Size - 4 1/2 x 4 1/2 x 5. Japanned Acorn. Plain Bronzed Iron. Ornamental Bronzed Iron. Ornamental Bronze Metal. MORTISE LOCKS - Brass face and bolt - easy spring. 3 1/2 to 4 1/2 in. Factory make, plain front. Factory make, bronze front. Boston make, plain front. DOOR KNOBS. Solid glass. Silvered glass. Cut glass. Nickel plated. Bronze metal.

(CONTINUED ON NEXT PAGE.)

**THE BOSTON MARKET—Continued.**

**Builders' Hardware.**

<b>SASH FASTS.</b>		Dozen.
Plain brass	.....	\$1 75 to \$2 50
Plain brass, self-locking	.....	6 50 to 7 50
Nickel plated, self-locking	.....	4 50
Bronze metal, self-locking	.....	5 00 to 12 00
<b>SCREWS.</b>		Gross.
Round head, nickel plated	.....	\$2 25 \$2 90
for window beads,	1 1/4 1 1/2 in.	
<b>STORE DOOR HANDLES—</b> with mortise latch.		
Lacquered brass	.....	Set. \$3 50
Bronze metal	.....	7 00

**D. M. MEEKER & SON'S**  
**Malleable Iron Hollow Munten Window Sash.**  
 For Lazzare Hospitals, Fire Proof Buildings, &c.



The use of these Sashes gives perfect security without the usual gratings that have a prison-like appearance. Wherever introduced both architects and medical superintendents testify to their worth. Manufactured by

**D. M. MEEKER & SON,**  
 Newark, N.J.

Fine Castings of Malleable and Gray Iron, German Silver, and Composition; also Patterns a specialty.



**Wellington's Patent Wash-Bowl.**

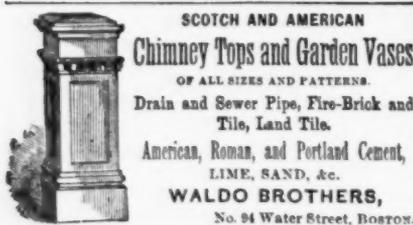
The use of this new and invaluable improvement precludes all possibility of overflow, by which buildings are so often damaged to the extent of thousands of dollars.

It can be introduced at the cost of the ordinary wash-bowl. This guaranty accompanies every basin sold to our patrons:—

We hereby pledge ourselves to remove our basins, and replace them with any other kind now in use, that parties interested may select, without expense to them, immediately on their failure to fulfil the following conditions, provided the trap is kept in running order:—

- 1st. We warrant our trap to remain free and open as long or longer than any other trap used with wash-bowls, and they are easily cleaned in case of stoppage.
- 2d. No overflow or leakage of any kind will occur.
- 3d. No sewer gas will escape from the drain or pipe, or any offensive smell arise from them.
- 4th. These bowls will remain free and clear from any accumulation of soap or grease or other offensive matter in the space between the inner and outer bowls.

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 40 Oliver Street, Boston.



**SCOTCH AND AMERICAN**  
**Chimney Tops and Garden Vases**

OF ALL SIZES AND PATTERNS.  
 Drain and Sewer Pipe, Fire-Brick and Tile, Land Tile.  
 American, Roman, and Portland Cement,  
 LIME, SAND, &c.  
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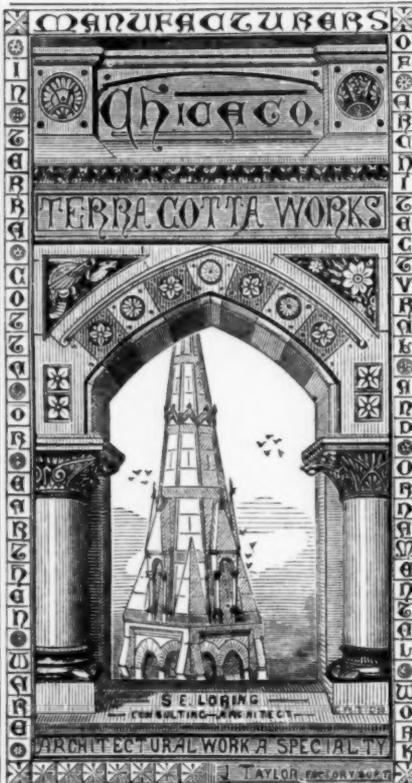
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 Artistic Bronze Decoration for Buildings,  
 Monuments, and Altars.

Architects' Designs executed, and designs furnished for special subjects.  
 Artistic Monuments in Granite and Bronze.

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 This volume contains twenty-four Plates, including Parmegiano's Saint Agatha, Saint Lucia, and Saint Apollonia. Two Deacons, and Saint George. Of Correggio's Frescos, it includes the Madonna della Scala, Diana in a Chariot, The Coronation of the Virgin, groups of Cherubs and Angels. A rare and valuable collection. Quarto. Price, \$10.00.  
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Of the latest Styles and Most Thorough Workmanship.  
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**ASAHEL WHEELER'S**  
**CONSTANT WHITE PAINT.**  
 Invented 1850.

SPECIMENS OF TWENTY-FIVE YEARS' STANDING can be shown looking much fresher than any other paint of two years.  
 It emits no poisonous gas like other paints while drying. Its surface is a perfect enamel, from which any specks of dirt may easily be removed.  
 It is unequalled for beauty, durability, and economy.  
**OFFICE AND STORE 146 MILK STREET, BOSTON.**



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**PARLOR GRATES.**  
 THE ONLY  
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### Subscriptions for 1877.

The readiness and alacrity with which the patrons of the *Architect* have renewed their subscriptions for 1877 afford the most encouraging indication of its future success. It proves that the aims of the publishers are appreciated by the intelligent classes to whom the paper appeals. Every friend of this journal can best add to its prosperity by subscribing for it, or by inducing some friend whom it will benefit to do the same.

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To this class of their patrons the publishers of the *Architect* make a special appeal. A perusal of the prospectus on page v. will indicate the great value the paper will possess for them for its suggestions and discussions of new designs, and as an advertising medium sure to be consulted by architects and designers. The advertising rates printed on this page are reasonable and orders will be strictly and faithfully filled.

### Building News.

Architects and Builders in all parts of the country are requested to forward for publication in the *American Architect and Building News*, such items of interest in regard to building enterprises in their localities as they may deem of interest. The simple announcement of buildings projected will be acceptable, and it is desirable that the same should be accompanied with the name of the architect and builder when convenient.

### Concerning Agents.

Subscribers to the *American Architect* are reminded that they should pay no money to canvassers or agents of the paper, who have not a special indorsement from us. The publishers will not be responsible for the delivery of the papers unless ordered through their regularly authorized agents.

### To Interior Decorators.

The special attention of Interior Decorators is directed to the announcements made in the prospectus of the *Architect* for 1877, to be found on page v. The illustrations and articles on the topics affecting their manufactures promise to create a wide interest, and will render this paper the most valuable advertising medium in the country for their use. Every pains will be taken to make this feature attractive and instructive to all interested in the matters to be discussed.

### Classified Advertisements.

The following is an alphabetical list of the advertisements which appear in this number of the *AMERICAN ARCHITECT AND BUILDING NEWS*. Our columns furnish an excellent medium for reference to architects and others engaged in building-enterprises, and its value will increase from week to week. Business and professional men have little time to attend to catalogues and circulars, but all desire a publication to which they can refer for desired information. The *AMERICAN ARCHITECT* affords this to the special classes to whose interests it is devoted, and therefore a want which has been long felt is now filled. Advertisers will at once appreciate the excellence and convenience of the arrangement.

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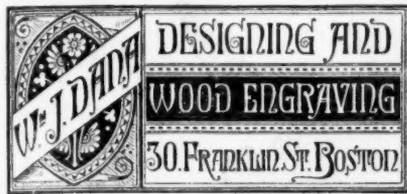
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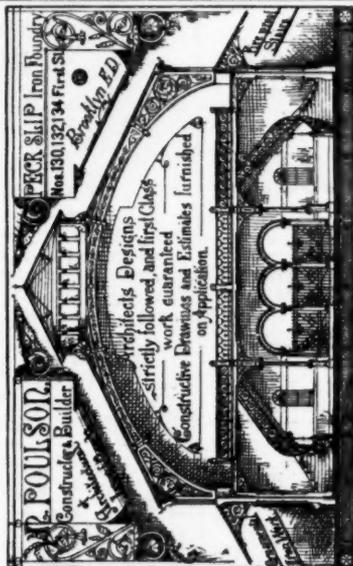


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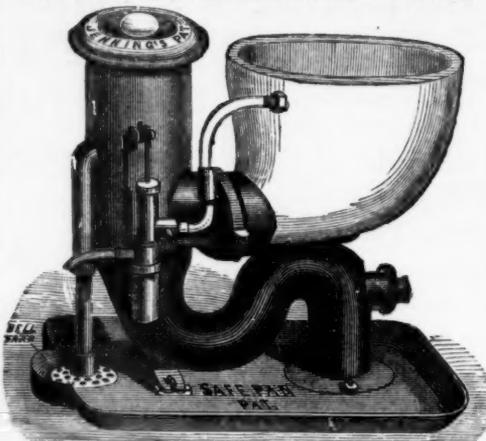
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VOL. II. No. 58.]

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**HOWARD WATCH & CLOCK CO.,**

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### BUILDERS' SUPPLIES.

**THE FIRE-PROOF BUILDING CO. OF**

NEW YORK. Hollow Blocks of any pattern, uniting strength and resistance to fire and water. The Hydraulic Lime of Teil (France), one of the strongest cements known, is largely used in this manufacture. The blocks do not conduct heat, cold, or sound, and weigh sixty per cent less than brick.

Fire-proof partitions, floor arches between iron beams, ceilings under wooden or iron beams, in the following buildings:—

Western Union Telegraph, Drexel, Staats Zeitung, Del. and Hudson Canal Co., Museum of Natural History, Equitable, Windsor Hotel, Hudson R. R. Freight Depot, W. Mass. Savings Bank, Lenox Library, Tribune, Westminster Hotel, New York Hospital, Bennett, Syracuse Savings Bank, West Point Military Hospital, Columbia College, Peabody Museum, New Haven, Baltimore Safe Deposit Co., Peabody Institute, Baltimore, Insurance on Wooden Mansards reduced ninety cents per \$100. Sidewalks laid at Lenox Library, Tribune, etc. Hollow Bricks of all kinds. Our Fire-Proof work is the only one approved by the New York Board of Fire Underwriters, and the Superintendent of Buildings, after severe public tests.

LEONARD F. BECKWITH, President.

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Designers and Manufacturers of

ORNAMENTAL BRONZE AND METAL WORK

OF EVERY DESCRIPTION,

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**WHITTIER MACHINE CO.,**

Manufacturers of Steam and Hydraulic

ELEVATORS,

STEAM ENGINES, BOILERS, AND MACHINERY.

No. 1176 Tremont Street, Boston.

Office in the New England Mutual Life Insurance Co.'s Building, Post Office Square.

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**BARTLETT, ROBBINS, & CO.,**

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HEATING AND VENTILATING BY HOT WATER A SPECIALTY.

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Manufacturers of and Dealers in

Homogeneous Boiler and Fire-Box Plates, Plate, Sheet, Pig, and Railroad Iron, Wrought Iron Girder, Channel, and Deck Beams, Angle and T Iron, Boiler and Tank

Rivets, Lap-Welded Iron Boiler Tubes,

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**TUFTS' ELEVATOR WORKS,**

MANUFACTURERS OF "TUFTS' PATENT" COMBINATION ROPE ELEVATOR,

TO BE OPERATED EITHER BY STEAM OR WATER.

The only safe and reliable machine made for Passenger use in Public Buildings and Hotels, and for business purposes in Warehouses, Stores, &c.

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FURNITURE & INTERIOR DECORATIONS,

MR. VICTOR CHARMOIS—Designer.

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FIXTURES FOR PUBLIC AND PRIVATE BUILDINGS,

AND CHURCH METAL-FURNITURE.

67 GREEN ST.; 68, 70, & 72 WOOSTER ST., ABOVE BROOME, NEW YORK.

27 Broadway cars pass the door.

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SCAGLIOLA AND MAREZZO MARBLE MANUFACTURERS.

COLUMNS, PILASTERS, PEDESTALS, WAINSCOTING, WALL AND ALTAIR WORK.

No. 28 North 17th Street, Philadelphia.

All the rare and costly Marbles closely imitated.

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**PLAIN AND ENCAUSTIC,**

FOR PUBLIC BUILDINGS AND DWELLINGS,

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And in numerous Churches, Banks, and Dwellings in every part of the Country.

Glazed and Enamelled Tiles for Mantels, Hearths, Wainscoting, &c., and for Exterior Decoration.

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GRANITE BUILDING AND MONUMENTAL WORK.

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**GALVANIZED IRON CORNICES,** CHAYES'S PATENT VENTILATING SKYLIGHTS, Campbell's Patent Chimney Jacks, Window Caps, &c. SMITH & VAN NOOKDEN, 357 Harrison Avenue, Boston.

**NEW ENGLAND DRAIN PIPE COMPAN-** NY, 24 HAWLEY STREET, BOSTON. GLAZED SEWER, DRAIN, AND WATER PIPE, LAND TILE, CHIMNEY TOPS, FUNNEL STONES, &c. BENJ. NOYEN, Agent.

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**HAWTHORNE & TUCKER,** PLUMBERS, 16 PROVIDENCE STREET, BOSTON. Estimates for Plumbing made, and work done in any part of the United States or Provinces.

**MOSES MELLEN & CO.** 16 Bromfield Street, Boston. ENAMELLED SLATE MANTELS AND SHELVES, PARLOR GRATES, ENGLISH FLOOR AND WALL TILES.

**BEEHIVE BRAND FELT ROOFING** for Flat Roofs. Only Manufacturers, NEW ENGLAND FELT ROOFING COMPANY, 17 Central Street, Boston.

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**HENRY B. JONES & CO.** Importers, Jobbers, and Retailers of PAPER HANGINGS, 612 WASHINGTON STREET, BOSTON.

**GEORGE BROWN,** STEAM STONE-DRESSING WORKS, 264 to 270 PASSAIC STREET, NEWARK, N.J. Estimates made, and cut stone work of every description promptly and accurately furnished.

**J. CARTISSER,** (ESTABLISHED 1858). ORNAMENTAL, EMBOSSED, AND CUT GLASS, FOR HOUSES, STEAMBOATS, RAILROAD CARS, OFFICES, &c., No. 236 West 14th St., New York.

**VENTILATION—IMPROVED WALL AND WINDOW VENTILATORS,** that will supply pure air, without dust or cold draughts, and adapted to large or small rooms. Call or send for Circulars. W. H. KIMBALL, 120 Tremont Street Boston.

**FOR MARBLE FLOORING TILES,** Address GEO. BARNEY, Swanton, Vt.

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**MEAD, MASON, & CO., BUILDERS.** Steam Mill at Concord, N. H. Offices, 10 Canal Street, Boston, and Concord and Manchester, N. H. Churches and Public Buildings a specialty. Estimates given.

**C. H. HALL,** Stair Builder, and Manufacturer of Stationary Wash Stands, 37 Haverhill St., Boston. Posts, Rails, Balusters, & Office Rails, furnished to order.

**GEO. DWIGHT, JR., & CO.,**

**Builders in Iron, and Engineers in Fire-Proof Construction, SPRINGFIELD, MASS.**

HAVE for many years given their exclusive attention to FIRE-PROOF CONSTRUCTION; and they now invite the correspondence of Architects to the following specialties which hereafter will constitute the leading items of their business: FIRE-PROOF FLOORS. The only floors that have stood fire in this country.

FIRE-PROOF ROOFS. Refer to Equitable Life Insurance Company's Building at Boston.

FIRE-PROOF SHUTTERS. Have stood many fires in all parts of the country. Over 6000 pairs put up in Boston after the fire. Saved the city of Springfield last year.

FIRE-PROOF LATH. In the words of one of the best-known architects of this country, "Minimum of metal, maximum of stiffness, maximum of clench; the best lath ever made, either wood or iron." See New York Post-Office; State Department, Washington; Equitable Life Insurance Company's Buildings, and many others.

Mr. HOTT will be pleased to wait upon Architects, when desired, to explain our methods, and to present for inspection construction plans and estimates for any specific work.

**PROPOSALS.**

**NATIONAL MILITARY CEMETERY.**

Sealed proposals in triplicate, with a copy of this advertisement attached to each, will be received at the office of National Cemetery, Washington, D.C., until Monday, Feb. 26, 1877, for the construction of a Superintendent's Lodge, of brick or stone, at the Cave Hill National Cemetery, near Louisville, Ky. The work, during its progress, will be frequently inspected by a competent engineer, and a strict compliance with the terms of the contract will be required. The right is reserved to reject any or all bids not deemed of interest to the government. Copies of plans and specifications may be seen, and blank forms of proposals procured, at this office and at the Quartermaster's offices in New York City, corner of Broadway and Nassau Streets; Louisville, Ky.; St. Louis, Mo.; and Atlanta, Ga. Proposals should be indorsed, "Proposals for Lodge at Cave Hill National Cemetery," and addressed to the undersigned. They will be opened at noon on the date specified, when bidders are invited to be present. A. F. ROCKWELL, Capt. and A. Q. M.

**SCHOOL.**—Sealed proposals will be received by the Board of School Trustees of the Twelfth Ward, at the hall of the Board of Education, corner of Grand and Elm Streets, until Tuesday, the 6th day of February, 1877, and until 4 o'clock, P. M., on said day, for altering and fitting up the premises on the north-east corner of Avenue A and 18th Street, for school purposes.

Plans and specifications may be seen at the office of the Superintendent of School Buildings, No. 146 Grand Street, third door.

Two responsible and approved sureties, residents of this city, will be required from the successful bidder. The parties submitting a proposal, and the parties proposing to become sureties, must each write his name and place of residence on said proposal. The Trustees reserve the right to reject any or all of the proposals submitted.

**BOSWELL G. RALSTON, DAVID H. KNAPP, CHAS. CRARY, JOHN L. TONNELE, GERMAIN HAUSCHELL,** Board of School Trustees, Twelfth Ward. Dated New York, Jan. 23, 1877.

**SIDEWALKS.**—Sealed proposals will be received at the office of the Board of Public Works, Cincinnati, O., until 12 o'clock, noon, of Monday, Feb. 5, A. D. 1877, for repairing all the brick and flag sidewalks which may be ordered by the Board of Public Works for one year, according to the specifications on file in this office. The city is divided into 4 districts, by Plum Street and continuation thereof east and west. Bidders will bid separately for each district and each kind of work. The Board reserves the right of rejecting any or all the bids. Each bid to be accompanied by two disinterested sureties. By order of the Board. LEWIS G. BERNARD, Clerk.

**JAIL.**—CARTER COUNTY, KY., has, by the authority vested in its Court, decided to build a County Jail, and has appointed the undersigned Commissioner to superintend the building of the same, and has directed that I shall give public notice that I will receive proposals and plans for the same, together with bids for the completion of the work or any part of said work. Said Jail is to be built of stone or brick, or part of stone and part of brick, with steel or stone cells. All proposals, plans, and bids will be fairly presented to the County Court at its next March term; and should the Court accept the bid of any one, the party will be required to enter into a bond, with good surety, for the completion of said Jail according to the contract and directions of said Commissioner in all respects. The Jail to be completed by the first day of October, 1877.

Any one wishing to confer with me personally, or by letter, can find me at the office of the Grayson Banking Company, in Grayson, Carter County, Ky. C. C. MAGANN, Commissioner. January 15, 1877.

**GAS FITTING—GAS WORKS.**—Sealed proposals will be received until 2 o'clock, P. M., of Wednesday, Feb. 28, 1877, at which time said proposals will be opened for all Gas Fitting, Gas Works, either or both, necessary to light the Eastern Asylum for the Insane, with gas in accordance with plans, specifications, and conditions, adopted by the Board of Commissioners. Said plans can be examined at the office of the Superintendent, at Pontiac, Mich., on and after Wednesday, Feb. 14, 1877. For further information, or for bidding blanks, address C. M. WELLS, Superintendent. By order of the Board.

**BUILDING.**—Sealed bids will be received at the next regular meeting of the common council, Terre Haute, Ind. First, for the erection of a dwelling house for the sexton of the city cemetery. Second, also for an office and waiting room, connected with a stone arch, at the entrance to the city cemetery. Plans and specifications are on file at the city clerk's office. The council reserves the right to reject any or all bids, the bids to be separate, and enclosed in separate envelopes. By order of the common council at the meeting of Dec. 19. JOHN G. HEINL, Chairman.

**PROPOSALS.**

**PROPOSALS FOR WORK AT NATIONAL MILITARY CEMETERY.**

OFFICE NATIONAL CEMETERIES, WASHINGTON, D.C., Jan. 15, 1877. Sealed proposals in triplicate, with a copy of this advertisement attached to each, will be received at this office until Monday, Feb. 26, 1877, for the construction of a Superintendent's Lodge, of brick or stone, at the Cave Hill National Cemetery near Louisville, Ky. The work, during its progress, will be frequently inspected by a competent engineer, and a strict compliance with the terms of the contract will be required. The right is reserved to reject any or all bids not deemed of interest to the government. Copies of plans and specifications may be seen, and blank forms of proposals procured, at this office, and at the Quartermaster's offices in New York City, corner of Houston and Greene Streets; at Louisville, Ky.; St. Louis, Mo.; and Atlanta, Ga.

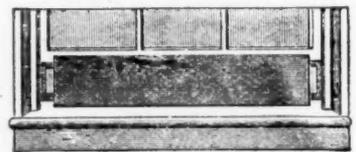
Proposals should be indorsed, "Proposals for Lodge at Cave Hill National Cemetery," and addressed to the undersigned. They will be opened at noon on the date specified, when bidders are invited to be present. A. F. ROCKWELL, Capt. and A. Q. M.

**BRIDGE REPAIRS.**—Sealed proposals will be received at the Auditor's office, Franklin County, O., until 12 o'clock, noon, Feb. 16, 1877, for plans, material, and work necessary to re-enforce, strengthen, and repair the superstructure of the iron bridge over the Olean River, on King Avenue, in the city of Columbus. Each bidder will be required to furnish detailed specifications of the plan upon which he proposes to make said repairs. Plans and general data of the bridge may be seen at the office of the County Auditor. The Board of County Commissioners reserve the right to reject any or all bids. By order of the County Commissioners. L. T. STRADER, County Auditor.

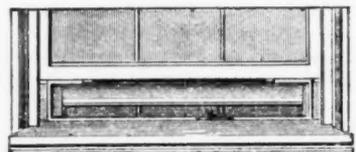
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COMBINATION

**WINDOW VENTILATOR,** ON HAND, AND MADE TO ORDER.



Inside View.



Outside View.



Sectional View.

No draught, no dust, no insects; is portable; can be applied by any one instantly, thereby securing an abundance of fresh air and better ventilation than by any other method. Can be applied to any sliding window, top or bottom.

Send for Circular.

16 Harvard Place, opposite Old South Church, Boston, Mass.

**To Architects and Builders.**

Your attention is directed to my fine assortment of

**SLATES,**

WHICH COMPRISE

**ENAMELLED SLATE MANTELS**

(as beautiful and durable, and 25 per cent cheaper than real marble),

**ROOFING SLATES, SLATE URINALS, BLACKBOARDS FOR SCHOOLS, &c.**

A LARGE STOCK OF Parlor Grates, Frames, and Registers

ALWAYS ON HAND.

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**LIENARD'S DECORATION AND ORNAMENTATION.** Specimens of the Decoration and Ornamentation of the Nineteenth Century. By LIENARD. Reproduced by the Heliotype Process. Upwards of 120 designs, rich in hints to Architects and Decorators. 1 vol. folio, boards, \$27.00. Half morocco, cloth sides, \$30.00. JAMES R. OSGOOD & CO., Boston.

BUILDING MATERIALS.

LATEST NEW YORK QUOTATIONS.

Feb. 2, 1877.

BRICK. Nominally. Carga Afloat. Pale... Jersey... Long Island... Up-River... Havenstraw Bay, choice... Havenstraw Bay...

FRONTS. Croton - Brown... Croton - Dark... Croton - Red... Philadelphia... Trenton... Baltimore...

CEMENT. Rosendale... Portland... Roman... Keene's coarse... Keene's fine...

FIRE BRICK. Red Welsh... Scotch... American...

DOORS, WINDOWS, AND BLINDS. DOORS, RAISED PANELS, TWO SIDES. 2.0 x 6.0... 2.6 x 6.6... 2.6 x 6.8... 2.8 x 6.8...

DOORS, MOULDED. Size. 1 1/4 in. 1 1/2 in. 1 3/4 in. 2.0 x 6.0... 2.6 x 6.6... 2.6 x 6.8... 2.6 x 7.0... 2.8 x 6.8... 2.8 x 7.0... 2.8 x 6.10... 3.0 x 7.0...

GLAZED WINDOWS. Dimen- 12 Lights. 8 Lights. 4 Lights. Windows, 1 1/4 in. 1 1/2 in. 1 3/4 in. 2.0 x 3.6... 2.4 x 3.10... 2.7 x 4.6... 2.7 x 4.10... 2.7 x 5.2... 2.7 x 5.6... 2.7 x 5.10... 2.10 x 4.6... 2.10 x 5.2... 2.10 x 5.6... 2.10 x 5.10...

OUTSIDE BLINDS. Per lineal foot, up to 2.10 wide... Per lineal foot, up to 3.1 wide... Per lineal foot, up to 3.4 wide... Per lineal foot, painted and trimmed...

INSIDE BLINDS. Per lineal foot, 4 folds, Pine... Per lineal foot, 4 folds, Ash or Chestnut... Per lineal foot, 4 folds, Cherry or Butternut... Per lineal foot, 4 folds, Black Walnut...

WINDOW FRAMES. Up to 3.4 x 7.2, put together... HAIR. - Duty free. Cattle... Goat...

LIME. State, common, cargo rate... State, finishing... Rockland, common... Rockland, finishing... Ground... Add 25 c. to above figures for yard rates.

GLASS. Duty. - Window, Polished Cylinder, and Crown, not over 10 x 15 in... State, finishing... Rockland, common... Rockland, finishing... Ground... Add 25 c. to above figures for yard rates.

FRENCH WINDOW. SINGLE THICK - per box of 50ft. Sizes. 7 x 9... 15 x 10... 16 x 14... 16 x 18... 18 x 24... 20 x 32... 21 x 30... 21 x 34... 24 x 36... 24 x 42... 26 x 46... 26 x 50... 32 x 54... 24 x 58... 36 x 60...

DOUBLE THICK. 6 x 8 - 7 x 9... 8 x 10 - 10 x 15... 11 x 14 - 12 x 16... 11 x 18 - 14 x 21... 15 x 24 - 15 x 32... 16 x 32 - 20 x 30... 22 x 30 - 15 x 38... 20 x 34 - 22 x 36... 24 x 30 - 24 x 40... 21 x 42 - 28 x 42... 26 x 46 - 30 x 48... 31 x 50 - 32 x 52... 32 x 54 - 34 x 56... 24 x 58 - 34 x 60... 36 x 60 - 40 x 60... Size above, \$15 per box extra for every five inches. An additional 10 per cent will be charged for all glass more than 40 inches wide. All sizes above 52 inches in length, and not making more than 81 united inches, will be charged in the 84 united inches bracket. Discount to the trade, 50 and 10 @ 50 and 10 and 5 per cent.

AMERICAN WINDOW, per box of 50ft. Sizes. 1st. 2d. 3d. 4th. 6 x 8 - 10 x 15... 11 x 14 - 12 x 13... 10 x 16 - 14 x 26... 18 x 22... 26 x 26 - 20 x 30... 25 x 30 - 24 x 30... 21 x 28 - 24 x 36... 21 x 30 - 26 x 44... 28 x 44 - 30 x 50... 30 x 52 - 30 x 54... 30 x 56 - 34 x 56... 34 x 58 - 34 x 60... 36 x 60 - 40 x 60... Above \$12 per box extra for every five inches. Discount, 70 @ 75 per cent. Also sold at 60 @ 60 and 5 from French list.

GREENHOUSE, SKYLIGHT, AND FLOOR GLASS. Per square foot, net cash. 1/2 Fluted plate... 3-16 Fluted plate... 1/2 Fluted plate... 1/2 Rough plate... 1/2 Rough plate... FOREIGN WOODS. - Duty free. CEDAR. Cuba... Mexican, small... Mexican, large... Florida... MAHOGANY. St. Domingo, crotches, ordinary to good... St. Domingo, crotches, fine... St. Domingo, logs, small... St. Domingo, logs, large... Cuba, logs, small... Cuba, logs, large... Frontera, Mexican, large... Frontera, Mexican, small... Other Mexican... Honduras... ROSEWOOD. Rio Janeiro, ordinary to good... Rio Janeiro, good to fine... Bahia, ordinary to good... Bahia, good to fine... Honduras... Satiwood... Tulipwood... Lignumvite, small... Lignumvite, large... LATH. - Cargo rate... LUMBER. Pine, very choice, and extra dry, PM ft... Pine, good... Pine, shipping box... Pine, common box... Pine, common box... Pine, tally plank, 1 1/4, 10 in, dressed each... Pine, tally plank, 1 1/4, 2d quality... Pine, tally planks, 1 1/4, culls... Pine, tally boards, dressed, good... Pine, tally boards, dressed, common... Pine, tally boards, culls... Pine, strip boards, merchantable... Pine, strip boards, clear... Pine, strip plank, dressed, clear... Spruce boards, dressed... Spruce plank, 1 1/4 in, dressed... Spruce plank, 2 in... Spruce wall strips... Spruce timber... Hemlock boards... Hemlock joist, 2 1/2 x 4... Hemlock joist, 3 x 4... Hemlock joist, 4 x 6... Ash, good... Maple culls... Maple, good... Chestnut... Cypress, 1, 1 1/2, 2, and 2 1/2 in... Black Walnut, good to choice... Black Walnut, 1/2... Black Walnut, selected and seasoned... Black Walnut counters... Cherry, good... Whitewood, chair plank... Whitewood, inch... Whitewood, 1/2 in... Whitewood, 3/4 in... Shingles, extra shaved pine, 18 in, PM M... Shingles, extra shaved pine, 16 in... Shingles, clear sawed pine, 18 in... Shingles, cypress, 24 x 7... Shingles, cypress, 20 x 6... Yellow pine dressed flooring... Yellow pine girders... Locust posts, 8 ft... Locust posts, 10 ft... Locust posts, 12 ft... Chestnut posts... Cargo rates 10 per cent off.

PAINTS AND OILS. Chalk... China clay... Whiting... Paris white, Eng. (gold)... Zinc, white, American, dry... Zinc, white, American, in oil, pure... Lead, white, American, dry... Lead, white, American, in oil, pure... Lead, red, American... Litharge, American... Ochre, French, dry (gold)... Ochre, in oil (currency)... Venetian red, English (gold)... Spanish brown, dry... Spanish brown, in oil... Vermilion, Am. Quicksilver (gold)... Vermilion, Trieste (gold)... Carmine, American, gold... Chrome yellow, genuine, dry... Chrome, yellow, in oil... Orange Mineral English, gold... Paris green, pure, dry... Putty, pure... Sienna, raw (American)... Sienna, burnt, American... Sienna, burnt, in oil... Sienna, raw, in oil... Umber, burnt... Umber, burnt, in oil... Umber, raw... Umber, raw in oil... Black, Lamp, Coach... Black, Lamp, ordinary... Black Paint, in oil, keg... Black Paint, in asst'd, cans...

PLASTER PARIS. Duty. - 20 per cent, ad val, on calcined; lump, free. Nova Scotia, white... Nova Scotia, blue... Calcined, Eastern and city... Calcined, city casting... Calcined, city superfine... SLATE. Delivered at New York. Purple roofing slate... Green slate... Black slate... Slate, Pennsylvania (at Jersey City)... Peach bottom (nominally)... Slate tiles, 1 1/4 in, rubbed, per sq. ft. delivered...

SOLDERS. No. 1... No. 2... TIN PLATES. Duty, 1-1 1/2-c. per lb. I. C. charcoal, 10 x 14... I. C. coke, 10 x by 14... I. X. charcoal, 10 x 14... I. C. charcoal, 14 x 20... I. X. charcoal, 14 x 20... I. C. coke, 14 x 20... I. C. coke, terme, 14 x 20... I. C. charcoal, terme, 14 x 20... ZINC. - Duty, sheet, per lb. 2 1/2 c. Sheet (gold)... LEAD. Bar... Sheet... Pipe... A decline of 1/2 cent. Discount 10 per cent to trade.

IRON. Duty. - Bar, 1 to 1 1/2 c. per lb; Railroad, 70c. per 100 lb; Boiler and Plate, 1 1/2 c. per lb; Sheet, Band, Hoop and Scroll, 1 1/4 to 1 3/4 c. per lb; Pig, \$7 per ton; Polished Sheet, 3c. per lb; Galvanized, 2 1/2 c. per lb; Scrap Cast, \$6 per ton; Scrap Wrought, \$8 per ton - all less 10 per cent. No Bar Iron to pay a less duty than 35 per cent ad val. Pig, Scotch, Coltness... Pig, Scotch, Gartsherrie... Pig, Scotch, Glengarnock... Pig, Scotch, Eglinton... Pig, American, No 1... Pig, American, No. 2... Pig, American, Forge... Bar, refined, English and American... Bar, Swedes, assorted sizes (gold)...

THE BOSTON MARKET. Feb. 2, 1877. Builders' Hardware. NAILS. 10d... 10d... 8d... AXLE PULLEYS - Steel. 2 in., Pennsylvania make... 2 in., Boston make... SASH WEIGHTS... SASH LINE... Best hemp... Best linen... DOOR BUTTS. Size - 4 1/2 x 4 1/2 5 x 5. Japanned Acorn... Plain Bronzed Iron... Ornamental Bronzed Iron... Ornamental Bronze Metal... MORTISE LOCKS - Brass face and bolt - easy spring. 3 1/2 to 4 1/2 in... Do., for front doors... Factory make, plain front... Factory make, bronze front... Boston make, plain front... DOOR KNOBS. Solid glass... Silvered glass... Cut glass... Nickel plated... Bronze metal...

[CONTINUED ON NEXT PAGE.]



**Publishers' Department.**

*The American Architect and Building News.*

The following letters commendatory of this paper, coming spontaneously from members of the profession, are presented to the attention of our patrons and the public:—

(Copy.)

N.Y. CHAPTER OF THE AMERICAN INSTITUTE OF ARCHITECTS,  
128 BROADWAY (COR. CEDAR STREET).

NEW YORK, Jan. 16, 1877.

MESSRS. JAMES R. OSGOOD & Co.

Gentlemen, — At the close of the first year of the *American Architect and Building News* we desire to express our satisfaction at its establishment, and at the way in which it has been conducted. The excellent literary character it has maintained is calculated to commend it to persons of intelligence and culture outside the profession; and by thus interesting the general public in professional matters at the same time that it presents them from a strictly professional point of view, it is doing both the profession and the public the greatest service.

It would be a great gratification to us if it could also be made, as it deserves to be, the customary and recognized channel of communication, through its correspondence and its advertising columns, between architects, the makers of building-appliances, and the public. This would be a personal convenience indeed to ourselves, as the pages of the journal are more handy and easy of reference than cards and circulars.

You are at liberty to make any use of this communication that you may judge best adapted to forward the interests of the journal, — interests which are in our judgment also those of the profession itself. Wishing it every prosperity, we are

Very respectfully yours,

R. M. HUNT,  
HENRY DUDLEY,  
CHARLES C. HAIGHT,  
EDWARD H. KENDALL,  
HENRY FERNBACH,  
WM. A. POTTER,  
EMLEN T. LITTELL,  
R. M. UPJOHN,  
CARL PFEIFFER,  
GEO. E. HARNEY,  
NELSON L. DERBY,  
A. J. BLOOR,

CHARLES F. McKIM,  
H. HUDSON HOLLY,  
HENRY M. CONGDON,  
H. J. HARDENBERGH,  
CHAS. D. GAMBRILL,  
JOS. SANDS,  
CHAS. W. CLINTON,  
R. H. ROBERTSON,  
R. G. HATFIELD,  
O. P. HATFIELD,  
GEO. B. POST.

We the undersigned, members of the Boston Chapter of the American Institute of Architects, cordially subscribe to the foregoing indorsement of the excellence of the *American Architect and Building News*.

E. C. CABOT,  
JOHN H. STURGIS,  
C. A. CUMMINGS,  
W. T. SEARS,  
H. W. HARTWELL,  
JOS. E. BILLINGS,  
F. H. MOORE,  
GEO. R. SHAW,  
CHARLES BRIGHAM,  
A. C. MARTIN,  
JOHN A. FOX,  
WM. R. WARE,

N. J. BRADLEE,  
HENRY VAN BRUNT,  
R. G. SHAW,  
F. W. CHANDLER,  
ALBERT G. SWASEY,  
ROBT. S. PEABODY,  
JOHN G. STEARNS,  
LOUIS WEISSBEIN,  
ALEX. R. ESTY,  
GEORGE SNELL,  
GEORGE A. CLOUGH.

(Copy.)

N.Y. CHAPTER OF THE AMERICAN INSTITUTE OF ARCHITECTS,  
128 BROADWAY (COR. CEDAR STREET).

NEW YORK, Jan. 18, 1877.

PRESIDENT MECHANICS' AND TRADERS' EXCHANGE.

Dear Sir, — At a meeting of this Chapter held on the 16th inst. action was taken on the subject of the weekly journal entitled the *American Architect and Building News*; and I was directed to communicate with you, and to suggest that the building-interests generally would be likely to be advanced if that serial should be made, as it deserves to be, the customary and recognized channel of communication, through its advertising columns, between the manufacturers and venders of building-appliances and the public.

Both architects and the general public are apt to throw cards and circulars into the waste-paper basket; but if their contents were advertised in the above-mentioned journal they would be in permanent shape, handy and easy of reference.

The address of the *American Architect and Building News* is Cathedral Building, Winthrop Square, Boston, Mass.

Hoping that you will take some pains to interest the members of your organization in the subject, I am

Yours respectfully, A. J. BLOOR, Secretary.

LETTERS FROM OTHER SOURCES.

The Rev. Samuel Osgood, D.D., who has excellent taste for and interest in architecture, writes:—

NEW YORK, Jan. 15, 1877.

MESSRS. J. R. OSGOOD & Co.

Gentlemen, — I must thank you for the instruction and pleasure that I have found in your admirable journal of architecture. It has always been good, and it grows constantly better. The illustrations are a treasury of art information; and the articles and reviews and hints are most wholesome in their bearing upon the building-interests of the country.

So strong is my conviction of the practical value of the publication that in a lecture last evening, before an association of mechanics, engineers, &c., at the Cooper Union, I was moved to call their attention to its merits and to the enterprise of its publishers.

Yours truly,

SAMUEL OSGOOD.

A well-known firm of architects in Toledo sends the following letter:—

TOLEDO, O., Jan. 10, 1875.

JAMES R. OSGOOD & Co., Boston. —

Gentlemen, — We enclose you postal order for \$6, for our subscription of the *Architect and Building News*. We beg to congratulate you on the success of the paper; and to give you an idea of our opinion of it, we would say that we would not be without it in our office if it cost \$25 instead of \$6 a year.

From a number of letters received since Jan. 1, renewing subscriptions to the *Architect*, we take the following extracts:—

[From a prominent New York builder.]

"I am much gratified that at last we have a weekly architects' and builders' paper in this country, which can compare favorably with the excellent architectural papers of London. Hitherto I have been obliged to rely upon those journals for much of the information regarding new things in architecture in which I am interested. Your paper well covers the ground; and being an American, I must say that I feel doubly rejoiced that the experience of the past year has developed the fact that we can produce a paper here which does honor to our architectural profession. I wish every success to the *American Architect and Building News*."

[From a Philadelphia subscriber.]

"I am glad to find the *American Architect* so highly appreciated among the best citizens of Philadelphia. Not the architects alone, but builders, and those who have a taste for architecture and interior decorations, regard the paper with the greatest favor. Though not a professional, I come in contact with many architects, and they with one accord indorse your paper as more than fulfilling their expectations."

[From a New York architect.]

"The *American Architect* has reached me every week for the past year, and I have read it carefully. Permit me to say that I regard the publication as a credit to American journalism. The intelligent and independent stand it takes upon all technical questions, the thoroughness and impartiality with which it discusses them, and the courtesy displayed toward all with whom it may honestly differ, commend the paper to the highest respect, not only of architects but of the public. Speaking for many of the former, I can but express sincere thanks for the high stand your journal has taken, and wish it renewed success."

[A Chicago architect and builder.]

"Not being regarded as a *Simon pure* architect by many in the profession, I hesitated, at first, to subscribe for your journal. But I find its articles and illustrations are calculated to enlighten and instruct all who are engaged in building-enterprises. With such an assistant as you send to me each week, I can afford to let the *Simon pure* architects regard me from whatever standpoint they please."

[From a Detroit architect.]

"The many admirable illustrations you have already printed, to say nothing of the instructive articles and communications your first volume contains, are worth to me many times the subscription price [of the *Architect*]. The paper has become a necessity with me, and I look for its weekly appearance with increasing interest."

[From a venerable retired architect.]

"I should by all means advise young architects and students to read your valuable paper. They there have an assistant which we of a former generation could not secure. The establishment of such a journal marks an era in the history of American architecture; and it is a source of regret to me that it did not appear at a day when I could have better enjoyed and profited by its teachings."

A Boston mechanic: "A paper that should be in the hands of every intelligent man that aids in the construction of any part of a building."

A dealer in building-materials: "I have found your paper a valuable advertising medium, tracing several large sales directly to the card in your columns. Were your prices trebled I should consider it a cheap medium."

Another of the same: "Your paper reaches the very classes I desire to reach. It is on the whole cheaper, more direct, and more satisfactory than circulars, upon which I had principally depended before your agent called upon me."

An Ohio architect: "A paper that will prove of the very highest value to every architect and builder in the country."

An Indianapolis subscriber: "Though I do not agree with all the statements made by the editor and his correspondents, the general course of the paper is so thoroughly honorable and consistent that it commands my respect and support."

A Massachusetts subscriber: "I got more useful hints and valuable building information out of the fifty-three numbers of last year, than I ever did from any six dollars I have spent for similar purposes during the past decade."

The American Architect and Building News.

RATES OF ADVERTISING

On the first page, and pages next to editorial matter, 121 cents per line (agate), or \$1.75 per inch (fourteen lines) one insertion.
One inch, one month \$7.00
One inch, three months 21.00
One inch, nine months 58.00
One inch, one year 70.00
On other pages, 10 cents per line each insertion, or \$1.40 per inch.

Publishers' Department.

BUILDING NEWS.

FOR THE WEEK ENDING FEB. 1, 1877.

Building in Boston during 1876.

From the published report of the Inspector of Buildings for the City of Boston, we extract the following information:—

During the year 200 permits have been issued for the erection of brick, stone, and iron buildings; and 532 for the erection of wooden buildings; and 1,936 permits for additions, alterations, and repairs. As might be expected, the greater number of these permits have been for the erection of dwelling-houses; 196 permits for brick, stone, or iron dwellings; and 287 for wooden dwellings, or v. r., nearly a half of the whole number of permits that were issued. This number does not include hotels, tenement-houses, or dwellings over stores. 29 permits for brick, stone, or iron, and 59 for wooden buildings, for mercantile purposes, were issued; while 6 permits for brick and 101 permits for wooden stables were issued.

The whole number of brick buildings completed during the year is 206, at an estimated cost of \$5,343,175. These buildings contain 114 stores, and are constructed to accommodate 482 families.

The whole number of wood and frame buildings completed is 413, at an estimated cost of \$1,383,555. These buildings contain 27 stores, and are constructed to accommodate 576 families.

The number of buildings upon which alterations have been made is 1,785, at an estimated cost of \$1,335,446.

Table with columns: No. of Buildings erected, Stores, Total Valuation, Style of Roof (Mansard, Flat, Pitch, Hip), No. of Stories (One, Two, Three, Four, Five, Six).

Table showing the number of new buildings, &c., completed under the supervision of this department since its organization in 1851, together with the estimated cost.

Table with columns: No., Cost. Rows for New Buildings (1871-5, 1876) and Alterations (1871-5, 1876).

The value and efficiency of the department may be seen by the fact that during the year they have condemned 374 dangerous chimneys, 72 unsafe heating and lighting apparatuses, 77 unsafe buildings, and have issued requisitions for 62 fire-escapes and additional means of egress.

The report is not without its curiosities. Thus 204 buildings have been increased in height, while only three have been diminished; while under the head of violation we find seven chimneys supported by wood-work, four columns with no plates under, forty-one registers not cased.

To a certain extent the work of the department is confidential, general publicity being given only to permits issued for the erection of new buildings.

In the examinations of buildings with reference to their safety, security, means of egress, fire-escapes, or improper or defective construction, or the existence on them of violations of the building-law, a strong feeling of repugnance is usually manifested by the owner, or other interested party, to having the condition of their property made the subject of public comment in the newspapers; and in view of this feeling, so pointedly manifested, the department has abstained from publishing its work in this direction, when the interest of the public would not be jeopardized.

The number of buildings reported as damaged by fire and accident is 291.

This number does not include those buildings where the loss was confined to the contents of the building, nor those where the damage was less than five dollars.

Projected Buildings.

It is yet too early in the season to report many projected buildings in the different cities.

IN NEW YORK

during the past week only five buildings (tenements and dwellings), of a total valuation of \$21,000, were reported. Of these three were brick, one brick and stone, and one wood, and situated respectively in 14th Street, 26th Street, 2d Avenue, Greenwich Street, and 40th Street. The owners are J. H. Dychem, Owen

Jones, Mr. Geohegan, Peter Dolan, and Mrs. Merritt; and the architects reported are M. McQuade, J. W. Hagencamp & Son, and McBride & Whelan.

IN BOSTON

the following permits have been granted:— Brick Buildings: Carriage-house, East Fifth Street. A. H. Wilson, owner.

Dwelling, 70 Bolton Street. W. H. Dromey, owner and builder.

Wooden Buildings: Stable, 282 Princeton Street. J. G. Caswell, owner and builder.

Do., 306 Main Street. J. G. Kelso, owner and builder.

Storage-house, Canal, cor. Lincoln. G. M. Starbird, owner and builder.

Dwelling, Beaumont Street, near Carruth. Nathan Carruth, owner; McNeil Bros., builders.

Proof Impressions.

To meet the demands that have already been made for the view of Trinity Church, Boston, issued with this number, the publishers have caused a few fine proof-impressions of it to be printed. A limited number can now be obtained, printed on fine plate 13" x 16" papers suitable for framing, by addressing Messrs. James K. Osgood & Co., Winthrop Sq., Boston, Mass. From these plates the plan which in our illustration appears below the perspective view is omitted.

Volume I. of the Architect.

In answer to many inquiries the publishers would state that they have in course of preparation a tasteful and appropriate cover for Volume I. of the American Architect and Building News. The price at which the covers can be furnished to subscribers will be announced at the earliest moment. In the mean time, all orders received will be placed on file, and filled as soon as the work is ready.

Portland Cement.

With the opening of spring several large building operations will be commenced; and we therefore draw the attention of the building trade to the use of Portland Cement of a reliable character, that will resist the ravages of time and damp. Engineering experience of undeniably high authority insists on heavy cement, which to receive and develop its full power and value, must necessarily be subjected to a pulverization resulting almost in a powder of impalpability. This end has been reached by some English cement-makers, notably by J. B. White & Bros., who recently have enlarged their works and made improvements in the manufacture, so that it stands in Europe and elsewhere among the first on the list. We have been informed that the manufacturer only send to the United States picked cement, and such as will exceed the tests of the New York Department of Docks; and certainly the cement procured from their sole agent has given very great satisfaction. Attention is directed to his advertisement in our columns. Buyers are requested to purchase, if possible, direct.

Classified Advertisements.

Table listing various categories of advertisements such as ARCHITECTS, ARCHITECTS' AND ENGINEERS' STATIONERY, ARCHITECTURAL BOOKS, ARCHITECTURAL IRON WORK, ARTIFICIAL WOOD ORNAMENTS, BRONZE DECORATIONS, BUILDERS AND REAL ESTATE IMPROVERS, BUILDERS' HARDWARE, BUILDERS IN IRON, BUILDING STONE, CABINET FURNITURE AND UPHOLSTERY, CABINET ORGANS, CHURCH FURNITURE, CLOCKS FOR PUBLIC BUILDINGS, CONTRACTORS AND BUILDERS, DESIGNING AND WOOD ENGRAVING, DIFFERENTIAL PULLEY BLOCKS, DRAIN PIPE, ELECTRIC BELLS, ANNUNCIATORS, &c., ELEVATORS, FELT ROOFING, FIRE-BRICK AND CHIMNEY-TOPS, FIRE-PROOF BUILDINGS.

Table listing various categories of advertisements such as FURNITURE AND DECORATION, FURNITURE, WOOD MANTLES, &c., FRESCO PAINTERS, GAS FIXTURES, GAS MACHINES, IRON BRIDGES, IRON CORNICES, IRON MERCHANTS, IRON WORK FOR BUILDINGS, LIMEY HOSE, LOCK AND BRONZE HARDWARE, MARBLE FLOORING TILES, MARBLE WORKERS, MARQUIS BASKET HOPPER, ORNAMENTAL AND CUT GLASS, ORNAMENTAL BRONZES, ORNAMENTAL IRON WORK, PAINT, PAPER HANGINGS, PARIOR GRATES, PARIOR GRATES, BRASS FENDERS AND IRONS, &c., PLUMBERS, PLUMBERS' SUPPLIES, SCIENTIFIC BOOKS, SHUTTERS (ROLLING WOOD), SHUTTERS (STEEL), SIGN AND ORNAMENTAL PAINTERS, SKYLIGHTS, SLATE MANTELS, &c., SLATE PAINT, SPRING HINGES, STAINED GLASS, STEAM HEATING APPARATUS, STEAM PUMPS, STONE DRESSING WORKS, TERRA COTTA WORKS, THE USEFUL, TILES, VENEERS, VENTILATION, WINDOW SASHES, WELINGTON'S PATENT WASH-BOWL, WOOD CARPETING, &c., The National Wood Manuf'g Co., New York.

The Advertiser,

(Carpenter by trade), who has had six years experience as general foreman and clerk of works in England, and five years carried on business as contractor and builder in York State, thirty-eight years of age, a good estimator, well versed in drawings, wishes a situation as superintendent, or assistant to a contractor. Reference given and required. Apply to THOMAS W. BENEY, Builder and Contractor, LITTLE FALLS, N.Y.



(ESTABLISHED 1844.)  
**PARLOR GRATES**  
 For Health and Comfort.  
 Made low or half low down, with the celebrated dumping attachment. Can be used for hard or soft coal, or wood. The finest assortment in New England.  
**H. M. CREAMER,**  
 63 Blackstone St., Boston.  
 Send for Price List.  
 Agents for Lake Shore Slate Co., Manufacturers of Marbleized Mantles.



**CATALOGUE OF Architectural Books**  
 Mailed free to any address.  
 All architectural and Scientific Books supplied at publishers' prices.  
**A. J. BICKNELL & CO.,**  
 ARCHITECTURAL BOOK PUBLISHERS,  
 27 WARREN STREET, NEW YORK.



Architects' and Engineers' **STATIONERY.**

**WADSWORTH BROS. & HOWLAND,**

No. 76 Washington Street, Boston,

HAVE OPENED AN ENTIRELY NEW STOCK OF STATIONERY

USED BY ARCHITECTS AND ENGINEERS,

WHICH INCLUDE

TRACING CLOTH,  
 TRACING PAPER,  
 MOUNTED PAPERS,

Whatman's Superior Drawing Paper,

White and Tinted Roll Paper,

English and French Crayon Paper,

Rubber and Wood Triangles,

T-Squares,

Mathematical Instruments, &c.

**ARCHITECTS AND BUILDERS**

Are reminded that our celebrated

**BAY STATE COLORS**

Are the BEST PAINTS in the market.

**WADSWORTH BROS. & HOWLAND,**

DEALERS IN

Painters' Supplies and Artists' Materials,

76 Washington Street, Boston.



**GAS**

SPRINGFIELD GAS MACHINE.

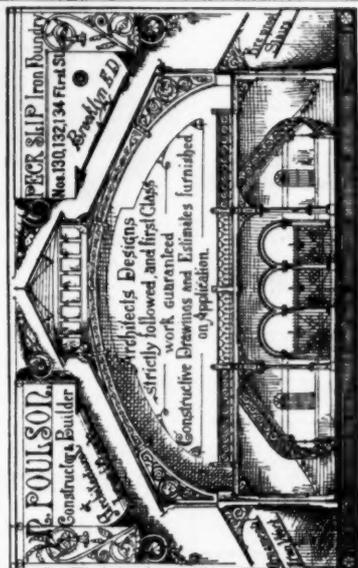
Springfield, Mass., and 238 Canal St., New York; 117 and 119 Court St., Boston; and No. 12 North 7th St., Philadelphia. Agencies, 189 West 4th St., Cincinnati, and 315 Pine St., San Francisco. Send for circular.



J. L. MOTT IRON WORKS, New York.

**ROETH & MAY,**  
**FURNITURE AND DECORATION,**

No. 8 Hotel Pelham, Tremont St., Boston.



**J. & R. LAMB,**

59 Carmine St., New York.

**CHURCH FURNITURE.**

Workers in Wood, Metal and Stone for Church purposes exclusively. Polished Brass and Sterling Silver.

Illustrated Catalogues Post Free.

Wood Work 10 cts. | Metal & Stone Work 10 cts. | Banners & Decorations 10 cts.

**CHURCH AND LODGE**



**FURNITURE,**  
 MANUFACTURED FROM ORIGINAL DESIGNS BY  
**BRAMAN, SHAW, & CO.,**  
 MANUFACTURERS OF FINE AND MEDIUM  
**PARLOR FURNITURE.**

Salesrooms: 27 Sudbury, 87 and 71 Portland Streets, Boston.

FACTORY: EAST CAMBRIDGE.

THE BASKET SLOP HOPPER is the neatest and most useful article that can be devised for what it is intended: it can be placed in the yard, in the washroom, or in the kitchen, as it is trapped, and no smell can come from the sewer, and the Basket or Receiver can be removed to carry away the rubbish. Manufactured at the



**Artificial Wood Ornaments,**

FOR FURNITURE MANUFACTURERS,

ARCHITECTS, BUILDERS, DECORATORS, STAIR BUILDERS, CAR BUILDERS,

ORGAN MANUFACTURERS, STEAMBOAT BUILDERS, ETC., ETC.

AGENTS.

**Boston.**—Parsons & Torry, 636 Washington st; Pitkin Bros, 27 Charlestown st; Allen & Noble, 94 Hanover st; Bogman & Vinal, 7 Dock st; Farless & Boynton, 12 Cornhill; Gardner & Chandler, 133 Washington st; B. L. Solomon & Sons, 49 Franklin street.

**Providence, R. I.**—Belcher Bros, 27 Weybosset st.

**New York City.**—A. Hammacher & Co., 299 Bowery; L. J. Tillotson & Co., 8 Dey st; O. A. Nathaniel, 229 Bowery; H. L. Solomon & Sons, 630 Broadway; E. R. Krumm, 121 Essex street; Chas. E. Kugler, 10 Division st; Speyer Bros, 119 Bowery; W. F. Hubinger, 188 Grand st; C. A. Stock, 116 Wooster street.

**Brooklyn, (E. D.) N. Y.**—Hermann Weber, 134 Graham av.

**Albany.**—Maurice E. Vele, 41 State st.

**Buffalo.**—C. H. Utley, 82 Pearl st.

**Rochester.**—Pollock, Weaver, & Co., 17 Buffalo st.

**Philadelphia.**—Thomas Thompson, Sons, & Co., 240 S. 2d st; Noblit, Brown, Noblit, & Co., 222 S. 2d st; B. L. Middleton, 817 N. 2d st; B. L. Solomon & Sons, 31 N. 2d st; F. A. Burren, 435 E. Dauphin st; Thomas Knight & Co., cor. Ridge ave. and Green st.

**Pittsburg.**—Joseph Woodwell & Co., cor. 2d ave. and Wood st.

**Baltimore.**—C. Sidney Norris & Co., 56 Hanover st; John Duer & Sons, 34 South Charles st; Warfield & Blair, 62 So. Sharp st.

**Cleveland, O.**—George Worthington & Co., 50 Water st; Wm. Bingham & Co., 148 Water st.

**Cincinnati.**—Glaccher & Kuhlman, 534 Main st; J. L. Wayne & Sons, 124 Main st.

**Chicago.**—J. L. Wayne & Son, 74 Randolph st; A. A. Ulrich & Co., 16 Fifth ave; J. Liebenstein & Co., 22 Randolph st.

**Detroit.**—Bahl, Ducharme, & Co., 163 Woodbridge street.

**St. Louis.**—Geo. A. Reichenmann & Co., 227 N. 6th st.

**Washington.**—F. P. May & Co., 614 Pennsylvania avenue.

**San Francisco.**—B. L. Solomon & Sons, 410 Market street.

**Montreal.**—James Walker & Co., 165 St. James st.

**Quebec.**—S. J. Sinau & Co., 7 St. John st.

**Hamilton, Ont.**—Watson & Thompson, 16 McNab st.

Our goods can be purchased of the above Agents at the same prices and terms as of us.

Circulars mailed on application to  
**WILLIAM B. GLEASON & CO.,**  
 West Camden Street (Opposite Chickering Station),  
 BOSTON, MASS.

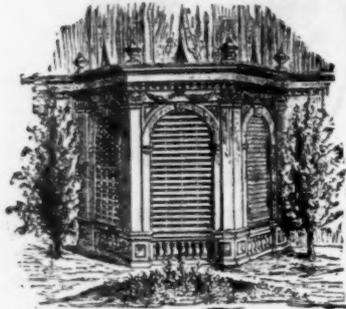


The New England Cabinet Organ,  
 FOR CHURCH, HALL, AND HOME USE.

No. 1299 Washington Street,  
 BOSTON.

S. P. TOLMAN & E. A. HUNTING,  
 BUILDERS, REAL ESTATE IMPROVERS, AND  
 GENERAL AGENTS. Particular attention given to Repairing  
 and Leasing Estates and the Collection of Rents.  
 MORTGAGES NEGOTIATED. NO. 11 BROMFIELD  
 STREET, BOSTON.

**ROLLING STEEL SHUTTERS  
FIRE AND BURGLAR PROOF!**



Working Silently,  
SMOOTHLY,  
AND EVENLY,  
by the aid of  
PATENT IMPROVED  
FRICTION ROLLERS.

No leather strips or other humbug necessary.

**Rolling Venetian Blinds!  
Rolling Wood Shutters!**

Our Patent Shutters have been fitted to the  
N. Y. C. & H. R. R. Co's New Grain Elevators, New York; Wiener's Hotel, Staten  
Island; Kerbs & Spier's, 2d Avenue, New York; R. Mabley's block, Detroit, Mich;  
Notman's Studio, Montreal; The Memorial Church, 30th St., New York; Barnes' Stores,  
Suffolk St., New York; Dr. Flanders' Residence, 3 Rutherford Place, New York; Das-  
son's Building, Park St., New York; Stores, Broadway, corner Franklin, New York;  
Store, Avon St., Boston, Mass; and many others.  
Copies of the testimonials and price-list on application.

**WILSON & JAMES,**

Patentees and Manufacturers. Prize Medal and Diploma at Philadelphia.  
68 Beekman Street, New York.

**WESTON'S  
DIFFERENTIAL PULLEY BLOCKS,**



ALSO KNOWN AS  
**DOYLE'S, HALL'S, & BIRD'S,**  
All Controlled and Manufactured Exclusively by  
**THE YALE LOCK MANUFACTURING COMPANY,**  
HENRY R. TOWNE, President,  
**STAMFORD, CONN.**  
Adapted for all hoisting purposes.

HOLD THE LOAD SUSPENDED AT ANY POINT.  
ENABLE ONE MAN TO DO THE WORK OF FOUR OR FIVE.

ESTABLISHED 1838.

**Palmer, Parker, & Co.**

Manufacturers and Dealers in every variety of

**FOREIGN AND DOMESTIC FANCY WOOD  
VENEERS.**

WALNUT (Blister, Mottled, Striped, Burl, and Crotch),  
FRENCH WALNUT, BIRD'S EYE MAPLE, HUNGARIAN ASH, SATIN, TULIP,  
WHITE HOLLY, MAHOGANY, THUYA, ROSEWOOD, etc.,  
In Logs, Planks, Boards, and Veneers. Dowels all Sizes  
suitable for

CAR BUILDERS, CABINET, PIANO, AND BILLIARD TABLE MANUFACTURERS.

Office, 10 Travers St., Boston.

SPRING HINGES FOR  
HOTELS  
SALOONS  
THEATRES &c  
AM SPIRAL SPRING BUTT CO  
SWINGING DOORS  
EITHER WAY  
CLOSING THEM  
PROMPTLY WITHOUT  
NOISE  
82 BEEKMAN ST NY

**SKYLIGHT  
THE HAYES  
PATENT  
SHUTTERS  
AND  
BLINDS  
71 EIGHTH AVE,  
NEW YORK.**

**NATIONAL WOOD  
MAN'G CO.**  
WOOD CARPETING  
PARQUET FLOORS  
FANCY WAINSCOTING  
CEILING  
AND STAIR COVERINGS  
IN ELEGANT DESIGNS.  
950 BROADWAY  
New York.

FOR PRIVATE DWELLINGS  
& PUBLIC BUILDINGS.

SEND THREE CENT STAMP FOR  
BOOK OF DESIGNS.

Franklin Press: Rand, Avery, & Co., Boston.

**PRIZE MEDALLISTS.**

London, 1862; Oporto, 1865; Dublin, 1865; Paris, 1867; Moscow, 1872;  
Vienna, 1873; and HIGHEST AWARD and MEDAL at CEN-  
TENNIAL EXHIBITION, PHILADELPHIA, 1876.

**CLARK & COMPANY,**

ORIGINAL INVENTORS AND PATENTEES OF

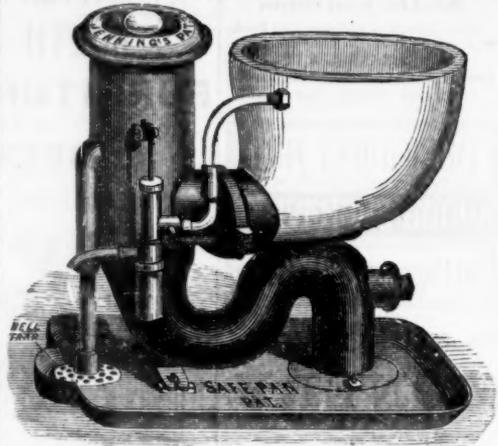
**NOISELESS, SELF-COILING, REVOLVING STEEL SHUTTERS.**

Fire and Burglar Proof. Also, improved Rolling Wood Shutters  
OF VARIOUS KINDS. CLARK'S SHUTTERS are fitted to the new Tribune Building, Lenox  
Library, Delaware and Hudson Canal Company's Building, Trans-Atlantic Steamship  
Company's new Dock, American News Office, Arnold, Constable, & Co., and Park & Til-  
ford's new Buildings, &c., &c., and are endorsed by the leading architects of the world.

OFFICE AND MANUFACTORY.

162 & 164 West 27th Street, New York.

**JENNINGS' WATER-CLOSETS. — PRICES REDUCED.**



OUR NEW IRON TRAP SAFE PAN CLOSET,  
WITH NEW VALVE.  
BEST IN THE MARKET.

Send for Descriptive Circulars, — JENNINGS' SANITARY DEPOT,  
94 Beekman Street, New York. A. C. MYERS, Manager.

**THE NATIONAL ODE**

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1877

# AMERICAN ARCHITECT

## AND BUILDING NEWS

A WEEKLY JOURNAL OF CONSTRUCTIVE AND DECORATIVE ART.

Vol. II. No. 59.]

SATURDAY, FEBRUARY 10, 1877.

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Mr. HOYT will be pleased to wait upon Architects, when desired, to explain our methods, and to present for inspection construction plans and estimates for any specific work.

**PROPOSALS.**

**IRON STAIRWAYS.**  
The Trustees of the NEW YORK AND BROOKLYN BRIDGE, Office No. 21 Water Street, BROOKLYN, Feb. 5, 1877.

Plans and estimates will be received by the Trustees of the New York and Brooklyn Bridge, at their office, No. 21 Water Street, Brooklyn, until Feb. 16, for two spiral stairways of iron, to extend from the docks to the roadways of the New York and Brooklyn towers, height about 120 feet.

Plans of the towers can be seen at the Engineer's office. Also estimates are requested from builders for reducing the roofs of several buildings on the line of the East River Bridge, in both cities, and furnishing fire-pr. of roofs.

For particulars apply to F. COLLINGWOOD, Assistant Engineer, at his office, corner Cherry and Dover Streets, New York, and at this office.

W. A. ROBELING, Chief Engineer.

**CUT GRANITE.**  
TO CONTRACTORS AND GRANITE DEALERS—PROPOSALS FOR CUT STONE.

OFFICE OF LIGHT-HOUSE ENGINEER, Third District, TOMPKINSVILLE, N. Y., Jan. 13, 1877.

Proposals are solicited, and will be received until noon of Feb. 26, 1877, for furnishing the Cut Stone for the dwelling and tower for Stratford Shoals Light-house, Long Island Sound, New York.

The stone (granite) is to be cut according to plans and specifications, which, with any other information desired concerning the work, will be furnished to bidders upon application to the undersigned.

The proposals will state the lump sum for which the stone required will be delivered at the harbor of Bridgeport, Conn. The stones are all to be delivered, cut and dressed, ready for setting. The labor of erecting the structure will be done by the United States, and should not be included in the proposals.

The stones are to be delivered in parcels, according to size, and the order in which they will be required, commencing the delivery not later than the 1st of May, 1877, and the entire lot to be delivered within one month thereafter.

Proposals will be in duplicate, with two sureties in an amount equal to the bid attached to each, to be sent by some officer of the Government known to the Treasury Department.

They will be sealed and indorsed "Proposals for Cut Stone for the Stratford Shoals Light House," and addressed to the undersigned, who reserves the right to reject any bid for proper cause. I. C. WOODRUFF, Colonel of Engineers, United States Army, Engineer Third Light-House District; P. O. Box 4012, New York City.

**STEAM HEATING APPARATUS.**  
CITY OF BOSTON.

Sealed proposals will be received at the office of City Architect, until Tuesday, Feb. 13, at 12 o'clock, p. m., for furnishing all materials and doing all the labor required for furnishing Steam Heating Apparatus for the Grammar School House, Sumner Street, Dorchester District.

Proposals to be addressed to the undersigned, and indorsed "Proposals for furnishing Steam Heating Apparatus New School House, Dorchester, Everett District."

The Committee reserves the right to reject any or all proposals received.

For plans and specifications, apply at the office.  
J. E. FITZGERALD, Chairman.

**CITY HALL.**—Sealed proposals for the following work and materials will be received by the Board of New City Hall Commissioners for the city and county of San Francisco, in the room of the Board of Supervisors, between the hours of 12 o'clock, noon, and 1 o'clock, p. m., on Wednesday, Feb. 28, 1877.

First—Providing and fixing four boilers with fittings and steam dome, &c., complete, to be completed within twelve weeks; providing and fixing heating and ventilating apparatus for the Hall of Records, to be completed within fourteen weeks; and for the East Wing, to be completed within twenty-four weeks; and providing and fixing an elevator, to be completed within twenty-four weeks. Second—For building an Office to the Hall of Records, and completing the present office; building part of the corridors to the Hall of Records; building brick-work for boilers, smoke culverts and stack, &c., to be completed within twelve weeks. Third—Supplying three hundred barrels of Portland cement, to be delivered on or before the 30th day of June, 1877. The above works to be performed, and the materials supplied, in accordance with drawings and specifications and conditions of contract, to be seen at the office of the Secretary, where forms of proposals and bonds will be furnished to intending bidders. GEO. W. THOMAS, Secretary, corner of Leavenworth and McAllister Streets, San Francisco, Cal.

**PROPOSALS.**

**RAILROAD STATION.**—Sealed proposals will be received by the Pennsylvania Company operating the P. F. W. & C. R. R., until 12 M., Feb. 15, for the erection of a passenger station house at Allegheny, fronting 64 feet on Federal Street, and fifty feet deep. Plans and specifications may be seen, and forms of proposal and particulars obtained, at the office of the Chief Engineer of the Company, in Pittsburgh, on and after the 24th 1 st. The Company reserve the right to reject any or all proposals.

F. SLATAFER, Chief Engineer.

The building above referred to will be a two-story pressed brick, with stone trimmings, marble floor, cellar with heating apparatus, and walks at sides and back under a porch, floored (the walk) with concrete, &c.

**SLIDING DOORS.**—Sealed proposals will be received by the Board of School Trustees of the Nineteenth Ward, at the Hall of the Board of Education, corner of Grand and Elm Streets, until TUESDAY, the 13th day of February, 1877, and until 4 o'clock, P. M., on said day, for furnishing sliding doors, &c., in Grammar School House No. 18, on East 51st Street, near Lexington Avenue.

Plans and specifications may be seen at the office of the Superintendent of School Buildings, No. 146 Grand Street, third floor.

Two responsible and approved sureties, residents of this city, will be required from the successful bidder.

The parties submitting a proposal, and the parties proposing to become sureties, must each write his name and place of residence on said proposal.

The Trustees reserve the right to reject any or all of the proposals submitted.

J. O. ALSTON, E. T. HOPKINS, E. H. POMEROY, M. THOMPSON, JOHN C. DONNELLY, Board of School Trustees 12th Ward, Dated New York, Jan. 31, 1877.

**TANK FRAMES AND PUMP HOUSES.**  
—Proposals will be received until Feb. 12, 1877, at 12 o'clock, noon, for the building of six tank frames and pump houses for water stations on the line of the Cincinnati Southern Railway.

Plans and specifications may be seen at the office of G. BONSCAREN, Consulting and Principal Engineer, 70 West Third Street, Cincinnati.

Proposals must be addressed to the Board of Trustees of the Cincinnati Southern Railway, 70 West Third Street, Cincinnati.

The Board reserve the right to reject any or all bids.

MILES GREENWOOD, President.  
G. BONSCAREN, Consulting Engineer.

**NATIONAL MILITARY CEMETERY.**—

Sealed proposals in triplicate, with a copy of this advertisement attached to each, will be received at the office of National Cemeteries, Washington, D. C., until Monday, Feb. 26, 1877, for the construction of a Superintendent's Lodge, of brick or stone, at the Cave Hill National Cemetery, near Louisville, Ky. The work, during its progress, will be frequently inspected by a competent engineer, and a strict compliance with the terms of the contract will be required. The right is reserved to reject any or all bids not deemed of interest to the government. Copies of plans and specifications may be seen, and blank forms of proposals procured, at this office, and at the Quartermaster's offices in New York City (corner Houston and Greene Streets), at Louisville, Ky., St. Louis, Mo., and Atlanta, Ga. Proposals should be indorsed, "Proposals for Lodge at Cave Hill National Cemetery," and addressed to the undersigned. They will be opened at noon on the date specified, when bidders are invited to be present. A. F. ROCKWELL, Capt. and A. Q. M.

**JAIL.**—CARTER COUNTY, KY., has, by the authority vested in its Court, decided to build a County Jail, and has appointed the undersigned Commissioner to superintend the building of the same, and has directed that I shall give public notice that I will receive proposals and plans for the same, together with bids for the completion of the work or any part of said work.

Said Jail is to be built of stone or brick, or part of stone and part of brick, with steel or stone cells. All proposals, plans, and bids will be fairly presented to the County Court at its next March term, and, should the Court accept the bid of any one, the party will be required to enter into a bond, with good surety, for the completion of said Jail according to the contract and directions of said Commissioner in all respects. The Jail to be completed by the first day of October, 1877.

Any one wishing to confer with me personally, or by letter, can find me at the office of the Grayson Banking Company, in Grayson, Carter County, Ky.

C. C. MAGANN, Commissioner.  
January 15, 1877.

**GAS FITTING—GAS WORKS.**—Sealed proposals will be received until 2 o'clock, P. M., on Wednesday, Feb. 28, 1877, at which time said proposals will be opened for all Gas Fitting, Gas Works, either or both, necessary to light the Eastern Asylum for the Insane, with gas in accordance with plans, specifications, and conditions, adopted by the Board of Commissioners. Said plans can be examined at the office of the Superintendent, at Post-office, Mich., on and after Wednesday, Feb. 14, 1877. For further information, or for bidding blanks, address C. M. WELLS, Superintendent. By order of the Board.

**BRIDGE REPAIRS.**—Sealed proposals will be received at the Auditor's office, Franklin County, O., until 12 o'clock, noon, Feb. 16, 1877, for plans, material, and work necessary to re-enforce, strengthen, and repair the superstructure of the iron bridge over the Oentany River, on King Avenue, in the city of Columbus. Each bidder will be required to furnish detailed specifications of the plan upon which he proposes to make said repairs. Plans and general data of the bridge may be seen at the office of the County Auditor. The Board of County Commissioners reserve the right to reject any or all bids. By order of the County Commissioners. L. F. STRADER, County Auditor.

**Portland and Keene's Cement,**

Manufactured by  
**J. B. WHITE & BROTHERS,**

For sale ex Ship to arrive and from their own warehouses,  
PHILADELPHIA { H. FLEMING, } NEW YORK  
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311 1/2 Walnut St. { } 10 Pine St.

BUILDING MATERIALS.

LATEST NEW YORK QUOTATIONS.

Feb. 8, 1877.

BRICK. Nominally. Cargo Afloat. Pale... Jersey... Long Island... Up-liver... Haverstraw Bay, choice... Haverstraw Bay... Brick held at \$6.50 and \$7.00 for Harbs, but no sales above last quotations.

FRONTS. Croton - Brown... Croton - Dark... Croton - Red... Philadelphia... Trenton... Baltimore... For delivery, add \$5 on Philadelphia and Trenton, and \$6 on Baltimore.

CEMENT. Rosendale... Portland... Roman... Keene's coarse... Keene's fine.

FIRE BRICK. Red Welsh... Scotch... American.

DOORS, WINDOWS, AND BLINDS. DOORS, RAISED PANELS, TWO SIDES. 2 0 x 6 0... 2 6 x 6 6... 2 6 x 6 8... 2 8 x 6 8.

DOORS, MOULDED. Size. 2 0 x 6 0... 2 6 x 6 6... 2 6 x 6 8... 2 8 x 6 8... 2 8 x 7 0... 2 8 x 6 8... 2 8 x 7 0... 2 10 x 6 10... 3 0 x 7 0.

GLAZED WINDOWS. Dimensions of Windows. 2 1 x 3 6... 2 4 x 3 10... 2 7 x 4 6... 2 7 x 4 10... 2 7 x 5 2... 2 7 x 5 6... 2 7 x 5 10... 2 10 x 4 6... 2 10 x 5 2... 2 10 x 5 6... 2 10 x 5 10.

OUTSIDE BLINDS. Per lineal foot, up to 2 1/2 wide... Per lineal foot, up to 3 1/2 wide... INSIDE BLINDS. Per lineal foot, 4 folds, Pine... Per lineal foot, 4 folds, Ash or Chestnut... Per lineal foot, 4 folds, Cherry or Butternut... Per lineal foot, 4 folds, Black Walnut.

WINDOW FRAMES. Up to 3 1/2 x 7 1/2, put together.

HAIR. - Duty free. Cattle... Goat.

LIME. State, common, cargo rate... State, finishing... Rockland, common... Rockland, finishing... Ground... Add 25 c. to above figures for yard rates.

GLASS. Duty. - Window, Polished Cylinder, and Crown, not over 10 x 15 in... State, finishing... Rockland, common... Rockland, finishing... Ground... Add 25 c. to above figures for yard rates.

FRENCH WINDOW. List of March 1, 1876. SINGLE THICK - per box of 50ft. Sizes. 8 x 7 x 9... 15 x 10 - 10 x 15... 16 x 14 - 12 x 16... 16 x 18 - 14 x 24... 18 x 24 - 15 x 32... 20 x 32 - 20 x 30... 21 x 30 - 15 x 38... 21 x 34 - 22 x 36... 24 x 36 - 24 x 40... 24 x 42 - 28 x 42... 26 x 46 - 30 x 48... 30 x 50 - 32 x 52... 32 x 54 - 34 x 56... 34 x 58 - 34 x 60... 36 x 60 - 40 x 60.

DOUBLE THICK. 6 x 8 - 7 x 9... 8 x 10 - 10 x 15... 11 x 14 - 12 x 16... 11 x 18 - 14 x 24... 15 x 24 - 15 x 32... 16 x 22 - 20 x 30... 22 x 30 - 15 x 38... 20 x 34 - 22 x 36... 24 x 36 - 24 x 40... 24 x 42 - 28 x 42... 26 x 46 - 30 x 48... 30 x 50 - 32 x 52... 32 x 54 - 34 x 56... 34 x 58 - 34 x 60... 36 x 60 - 40 x 60.

Sizes above, \$15 per box extra for every five inches. An additional 10 per cent will be charged for all glass more than 40 inches wide. All sizes above 52 inches in length, and not making more than 81 united inches, will be charged in the 84 united inches bracket. Discount to the trade, 50 and 10 @ 50 and 10 and 5 per cent.

AMERICAN WINDOW, per box of 50ft. Sizes. 6 x 8 - 10 x 15... 11 x 14 - 12 x 13... 10 x 16 - 14 x 26... 18 x 22... 26 x 26 - 20 x 30... 25 x 30 - 24 x 30... 21 x 28 - 24 x 36... 26 x 36 - 26 x 44... 28 x 44 - 30 x 50... 30 x 52 - 30 x 54... 30 x 56 - 34 x 56... 34 x 58 - 34 x 60... 36 x 60 - 40 x 60.

Above \$12 per box extra for every five inches. Discount, 70 @ 75 per cent. Also sold at 60 @ 60 and 5 from French list.

GREENHOUSE, SKYLIGHT, AND FLOOR GLASS. Per square foot, net cash. 1/2 Fluted plate... 1/2 Rough plate... 3/4 Fluted plate... 3/4 Rough plate... 1/2 Rough plate... 50 1/2 Rough plate.

FOREIGN WOODS. - Duty free. CEDAR. Cuba... Mexican, small... Mexican, large... Florida... MAHOGANY. St. Domingo, crotches, ordinary to good... St. Domingo, crotches, fine... St. Domingo, logs, small... St. Domingo, logs, large... Cuba, logs, small... Cuba, logs, large... Frontera, Mexican, large... Frontera, Mexican, small... Other Mexican... Honduras.

ROSEWOOD. Rio Janeiro, ordinary to good... Rio Janeiro, good to fine... Bahia, ordinary to good... Bahia, good to fine... Honduras... Satinwood... Tulipwood... Lignumvite, small... Lignumvite, large... LATH. - Cargo rate... LUMBER. Pine, very choice, and extra dry... Pine, good... Pine, shipping box... Pine, common box... Pine, common box, 1/2... Pine, tally plank, 1 1/2, 10 in, dressed each... Pine, tally plank, 1 1/2, 2d quality... Pine, tally planks, 1 1/2, culls... Pine, tally boards, dressed, good... Pine, tally boards, dressed, common... Pine, tally boards, culls... Pine, strip boards, merchantable... Pine, strip boards, clear... Pine, strip plank, dressed, clear... Spruce boards, dressed... Spruce plank, 1 1/2 in, dressed... Spruce plank, 2 in... Spruce wall strips... Hemlock boards... Hemlock joist, 2 1/2 x 4... Hemlock joist, 3 x 4... Hemlock joist, 4 x 6... Ash, good... Oak... Maple culls... Maple, good... Chestnut... Cypress, 1 1/2, 2, and 2 1/2 in... Black Walnut, good to choice... Black Walnut, 1/2... Black Walnut, selected and seasoned... Black Walnut counters... Cherry, good... Whitewood, chair plank... Whitewood, inch... Whitewood, 1/2 in... Whitewood, 3/4 panels... Shingles, extra shaved pine, 18 in... Shingles, extra shaved pine, 16 in... Shingles, clear sawed pine, 18 in... Shingles, clear sawed pine, 16 in... Shingles, cypress, 20 x 7... Shingles, cypress, 20 x 6... Yellow pine dressed flooring... Locust posts, 8 ft... Locust posts, 10 ft... Locust posts, 12 ft... Chestnut posts... Cargo rates 10 per cent off.

PAINTS AND OILS.

Chalk... China clay... Whiting... Paris white, Eng. (gold)... Zinc, white, American, dry... Lead, white, American, in oil, pure... Lead, white, American, in oil, pure... Lead, red, American... Litharge, American... Ochre, French, dry (gold)... Ochre, in oil (currency)... Venetian red, English (gold)... Spanish brown, dry... Spanish brown, in oil... Vermilion, Am. Quicksilver (gold)... Vermilion, Trieste (gold)... Carmine, American, gold... Chrome yellow, genuine, dry... Chrome, yellow, in oil... Orange Mineral English, gold... Paris green, pure, dry... Putty, pure... Sienna, raw (American)... Sienna, burnt, American... Sienna, burnt, in oil... Sienna, raw, in oil... Umber, burnt... Umber, burnt, in oil... Umber, raw... Umber, raw in oil... Black, Lamp, Coach... Black, Lamp, ordinary... Black Paint, in oil, kegs... Black Paint, in asst'd, cans.

PLASTER PARIS. Duty. - 20 per cent, ad val. on calcined; lump, free. Nova Scotia, white... Nova Scotia, blue... Calcined, Eastern and city... Calcined, city casting... Calcined, city superfine.

SLATE. Delivered at New York. Purple roofing slate... Green slate... Red slate... Black slate, Pennsylvania (at Jersey City)... Peach bottom (nominally)... Slate tiles, 1 1/2 in., rubbed, per sq. ft. delivered.

SOLDERS. No. 1... No. 2.

TIN PLATES. - Duty, 1 1/2-10c. I. C. charcoal, 10 x 14... I. C. coke, 10 x 14... I. X. charcoal, 10 x 14... I. C. charcoal, 14 x 20... I. C. charcoal, 14 x 20... I. C. coke, 14 x 20... I. C. coke, terme, 14 x 20... I. C. charcoal, terme, 14 x 20.

ZINC. - Duty, sheet, per lb. Sheet (gold)... LEAD. Bar... Sheet... Pipe... A decline of 1/2 cent. Discount 10 per cent to trade.

IRON. Duty. - Bar, 1 to 1 1/2 c. per lb; Railroad, 70c. per 100 lb; Boiler and Plate, 1 1/2 c. per lb; Sheet, Band, Hoop and Scrool, 1 1/2 c. per lb; Pig, 87 per ton; Polished Sheet, 3c. per lb; Galvanized, 2 1/2 c. per lb; Scrap Cast, \$6 per ton; Scrap Wrought, \$8 per ton - all less 10 per cent. No Bar Iron to pay a less duty than 35 per cent ad val. Pig, Scotch, Coltness... Pig, Scotch, Gartsherrie... Pig, Scotch, Gilgarnock... Pig, Scotch, Eglington... Pig, American, No 1... Pig, American, No 2... Pig, American, Forge... Bar, refined, English and American... Bar, Swedes, assorted sizes (gold).

THE BOSTON MARKET.

Feb. 9, 1877.

Builders' Hardware. NAILS. 10d... 10d... 8d... AXLE PULLEYS - Steel. 2 in., Pennsylvania make... 2 in., Boston make... SASH WEIGHTS... SASH LINE. Best hemp... Best linen... DOOR BUTTS. Size - 4 x 4 5 x 5. Japanned Acorn... Plain Bronzed Iron... Ornamental Bronzed Iron... Ornamental Bronze Metal, 3 60 4 00 per pair. MORTISE LOCKS - Brass face and bolt - easy spring. 3 1/2 to 4 1/2 in. Do. for front doors. Factory make, plain front... Factory make, bronze front... Boston make, plain front... DOOR KNOBS. Solid glass... Silvered glass... Cut glass... Nickel plated... Bronze metal.

[CONTINUED ON NEXT PAGE.]

**THE BOSTON MARKET—Continued.**  
**Builders' Hardware.**

<b>SASH FASTS.</b>		Dozen.
Plain brass.....	\$1 75 to \$2 50	
Plain brass, self-locking.....	6 50 to 7 50	
Nickel plated, self-locking.....	4 50	
Bronze metal, self-locking.....	5 00 to 12 00	
<b>SCREWS.</b>		Gross.
Round head, nickel plated }.....	\$2 25	\$2 90
for window beads, }.....	1 1/4	1 1/2 in.
<b>STORE DOOR HANDLES— with mortise latch.</b>		
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Bronze metal.....		\$3 50
		7 00

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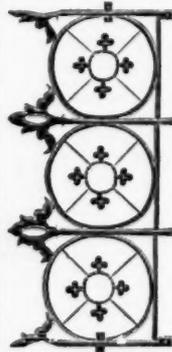
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## Publishers' Department.

### The American Architect and Building News.

The following letters commendatory of this paper, coming spontaneously from members of the profession, are presented to the attention of our patrons and the public:—

(Copy.)

N.Y. CHAPTER OF THE AMERICAN INSTITUTE OF ARCHITECTS,  
128 BROADWAY (COR. CEDAR STREET).

NEW YORK, Jan. 16, 1877.

MESSRS. JAMES R. OSGOOD & Co.

Gentlemen, — At the close of the first year of the *American Architect and Building News* we desire to express our satisfaction at its establishment, and at the way in which it has been conducted. The excellent literary character it has maintained is calculated to commend it to persons of intelligence and culture outside the profession; and by thus interesting the general public in professional matters at the same time that it presents them from a strictly professional point of view, it is doing both the profession and the public the greatest service.

It would be a great gratification to us if it could also be made, as it deserves to be, the customary and recognized channel of communication, through its correspondence and its advertising columns, between architects, the makers of building-appliances, and the public. This would be a personal convenience indeed to ourselves, as the pages of the journal are more handy and easy of reference than cards and circulars.

You are at liberty to make any use of this communication that you may judge best adapted to forward the interests of the journal, — interests which are in our judgment also those of the profession itself. Wishing it every prosperity, we are

Very respectfully yours,

R. M. HUNT,  
HENRY DUDLEY,  
CHARLES C. HAIGHT,  
EDWARD H. KENDALL,  
HENRY FERNEACH,  
WM. A. POTTER,  
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R. G. HATFIELD,  
O. P. HATFIELD,  
GEO. B. POST.

We the undersigned, members of the Boston Chapter of the American Institute of Architects, cordially subscribe to the foregoing indorsement of the excellence of the *American Architect and Building News*.

E. C. CABOT,  
JOHN H. STURGIS,  
C. A. CUMMINGS,  
W. T. SEARS,  
H. W. BARTWELL,  
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GEORGE A. CLOUGH.

(Copy.)

N.Y. CHAPTER OF THE AMERICAN INSTITUTE OF ARCHITECTS,  
128 BROADWAY (COR. CEDAR STREET).

NEW YORK, Jan. 18, 1877.

PRESIDENT MECHANICS' AND TRADERS' EXCHANGE.

Dear Sir, — At a meeting of this Chapter held on the 16th inst. action was taken on the subject of the weekly journal entitled the *American Architect and Building News*; and I was directed to communicate with you, and to suggest that the building-interests generally would be likely to be advanced if that serial should be made, as it deserves to be, the customary and recognized channel of communication, through its advertising columns, between the manufacturers and venders of building-appliances and the public.

Both architects and the general public are apt to throw cards and circulars into the waste-paper basket; but if their contents were advertised in the above-mentioned journal they would be in permanent shape, handy and easy of reference.

The address of the *American Architect and Building News* is Cathedral Building, Winthrop Square, Boston, Mass.

Hoping that you will take some pains to interest the members of your organization in the subject, I am

Yours respectfully, A. J. BLOOR, Secretary.

#### LETTERS FROM OTHER SOURCES.

The Rev. Samuel Osgood, D.D., who has excellent taste for and interest in architecture, writes:—

NEW YORK, Jan. 15, 1877.

MESSRS. J. R. OSGOOD & Co.

Gentlemen, — I must thank you for the instruction and pleasure that I have found in your admirable journal of architecture. It has always been good, and it grows constantly better. The illustrations are a treasury of art information; and the articles and reviews and hints are most wholesome in their bearing upon the building-interests of the country.

So strong is my conviction of the practical value of the publication that in a lecture last evening, before an association of mechanics, engineers, &c., at the Cooper Union, I was moved to call their attention to its merits and to the enterprise of its publishers.

Yours truly,

SAMUEL OSGOOD.

A well-known firm of architects in Toledo sends the following letter:—

TOLEDO, O., Jan. 10, 1875.

JAMES R. OSGOOD & Co., Boston. —

Gentlemen, — We enclose you postal order for \$6, for our subscription of the *Architect and Building News*. We beg to congratulate you on the success of the paper; and to give you an idea of our opinion of it, we would say that we would not be without it in our office if it cost \$25 instead of \$6 a year.

From a number of letters received since Jan. 1, renewing subscriptions to the *Architect*, we take the following extracts:—

[From a prominent New York builder.]

"I am much gratified that at last we have a weekly architects' and builders' paper in this country, which can compare favorably with the excellent architectural papers of London. Hitherto I have been obliged to rely upon those journals for much of the information regarding new things in architecture in which I am interested. Your paper well covers the ground; and being an American, I must say that I feel doubly rejoiced that the experience of the past year has developed the fact that we can produce a paper here which does honor to our architectural profession. I wish every success to the *American Architect and Building News*."

[From a Philadelphia subscriber.]

"I am glad to find the *American Architect* so highly appreciated among the best citizens of Philadelphia. Not the architects alone, but builders, and those who have a taste for architecture and interior decorations, regard the paper with the greatest favor. Though not a professional, I come in contact with many architects, and they with one accord indorse your paper as more than fulfilling their expectations."

[From a New York architect.]

"The *American Architect* has reached me every week for the past year, and I have read it carefully. Permit me to say that I regard the publication as a credit to American journalism. The intelligent and independent stand it takes upon all technical questions, the thoroughness and impartiality with which it discusses them, and the courtesy displayed toward all with whom it may honestly differ, commend the paper to the highest respect, not only of architects but of the public. Speaking for many of the former, I can but express sincere thanks for the high stand your journal has taken, and wish it renewed success."

[A Chicago architect and builder.]

"Not being regarded as a *Simon pure* architect by many in the profession, I hesitated, at first, to subscribe for your journal. But I find its articles and illustrations are calculated to enlighten and instruct all who are engaged in building-enterprises. With such an assistant as you send to me each week, I can afford to let the *Simon pure* architects regard me from whatever standpoint they please."

[From a Detroit architect.]

"The many admirable illustrations you have already printed, to say nothing of the instructive articles and communications your first volume contains, are worth to me many times the subscription price [of the *Architect*]. The paper has become a *necessity* with me, and I look for its weekly appearance with increasing interest."

[From a venerable retired architect.]

"I should by all means advise young architects and students to read your valuable paper. They there have an assistant which we of a former generation could not secure. The establishment of such a journal marks an era in the history of American architecture; and it is a source of regret to me that it did not appear at a day when I could have better enjoyed and profited by its teachings."

A Boston mechanic: "A paper that should be in the hands of every intelligent man that aids in the construction of any part of a building."

A dealer in building-materials: "I have found your paper a valuable advertising medium, tracing several large sales directly to the card in your columns. Were your prices trebled I should consider it a cheap medium."

Another of the same: "Your paper reaches the very classes I desire to reach. It is on the whole cheaper, more direct, and more satisfactory than circulars, upon which I had principally depended before your agent called upon me."

An Ohio architect: "A paper that will prove of the very highest value to every architect and builder in the country."

An Indianapolis subscriber: "Though I do not agree with all the statements made by the editor and his correspondents, the general course of the paper is so thoroughly honorable and consistent that it commands my respect and support."

A Massachusetts subscriber: "I got more useful hints and valuable building information out of the fifty-three numbers of last year, than I ever did from any six dollars I have spent for similar purposes during the past decade."

The American Architect and Building News.

RATES OF ADVERTISING.

On the first page, and pages next to editorial matter, 12 cents per line (agate), or \$1.75 per inch (fourteen lines) one insertion.

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Publishers' Department. BUILDING NEWS.

PROJECTED BUILDINGS.

The valuable property on Wall St., New York, known as Jauncey Court, has been purchased by the Queen and the Orient Fire Insurance Companies, the former now located in Wall street, and the latter in the Park Bank Building, Broadway.

The Trustees of the St. Vincent Hospital, New York, propose to erect a fine new building in place of the old one located in West Eleventh Street.

It is reported that Mr. Griffith Thomas is drawing plans for eight houses on the north-west corner of Sixty-fifth Street and Madison Avenue, the work to commence in the spring; also for an elegant apartment house, seven stories in height, for Mr. George Kemp, the building to be located on Forty-ninth Street and Fifth Avenue.

There have been seventeen buildings reported to Superintendent Adams since our last issue, representing a total value of \$169,760. These are all of brick, and comprise French flats, stores, dwellings, &c.

Architects. Builders. D. & J. Jardine. C. H. Tucker & Son. Shaw & Wilson. Paugh & Punsey. Jas. E. Ware. Abram Fetter. Geo. Holzler. Sampaugh & Cochrane. T. G. Smith. Andrew Ewald. Fred Grant & Co. F. Shannon. Rogers & Brown. Jas. Fish. Julius Bockell.

Chicago.

The following building-permits have been issued: Ira H. Drew, fourteen two-story and basement dwellings, 20x40 feet each, on Flournoy Street, near Hoyne Street, cost \$2,500 each; J. S. Kirk & Co, a two-story and basement stable, 48x80 feet, corner of Pine and Michigan Streets, cost \$6,000; A. Williams, nine two-story and basement dwellings, 20x38 feet each, on Oakley, near Van Buren Street, cost \$2,500 each.

Boston.

The following permits have been granted: Wooden Buildings: Carriage-house, S. S. Rowe, owner; E. F. Brown, builder. Lumber shed, Leatherbee Bros. owners; Jos. P. Shaw, builder. Dwelling, William Welch, owner; James Dwyer, builder. Brick Buildings: Geo. U. Meserve has taken out permits for two mercantile buildings in one block on Purchase Street, and for a block of three dwelling-houses on Columbus Avenue.

Other Building Projects.

Another new market building is to be erected "up town" in Philadelphia. A number of smaller building enterprises are also in progress, which include dwelling-houses in different parts of the city.

The Board of Education of Camden, N. J., have prepared a bill, which will be submitted to the Legislature for approval, asking power to borrow money for the purpose of erecting two more school-houses, one in the First and the other in the Second Ward.

The following building-permits have been issued in Washington: Jeremiah Quinn, three two-story brick dwellings, west side Third, between E and F Streets south-west; \$1,500. James Williams, two two-story brick dwellings, north side of wharf between South Capitol and First Streets; \$900. Samuel Bacon, repair brick dwelling south side C, between Third and 4th Streets, north-west; \$400.

The City Council of Fort Wayne, Ind., has decided to submit the water-works question to the people, and has ordered a special election for the 20th of February to determine whether the works shall be built or not.

The new Eleventh-street Station-House in Philadelphia is the finest in the city, costing about \$19,000. It fronts on Girard Avenue.

An Improvement in Cut Nails.

A new form of cut nail has lately been introduced which seems likely to become of great importance to builders. Its peculiarity consists in having a chisel-point, formed during the process of cutting. An ordinary cut nail enters the wood by breaking down the fibres which oppose its passage; but this chisel-point nail will cut the fibres, so that it will always be bedded in solid wood.

Millions of Feet of White Oak wanted.

A report has been current in New York, that bids are to be opened in Philadelphia within a very short time for the supply of one million pieces of white oak lumber, 9 feet long, 12 inches wide, and four inches thick. The purchasers are said to be either the French Government or a large French firm.

Portland Cement.

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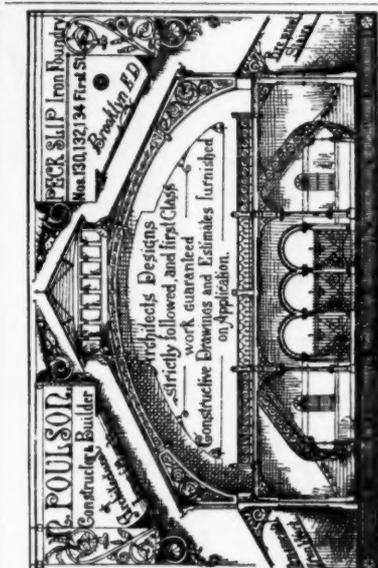


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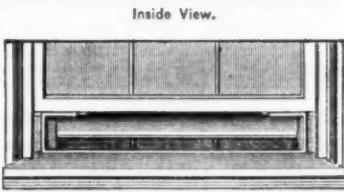
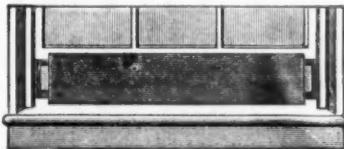


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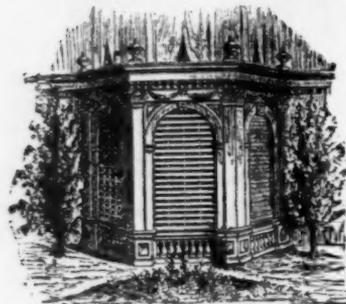


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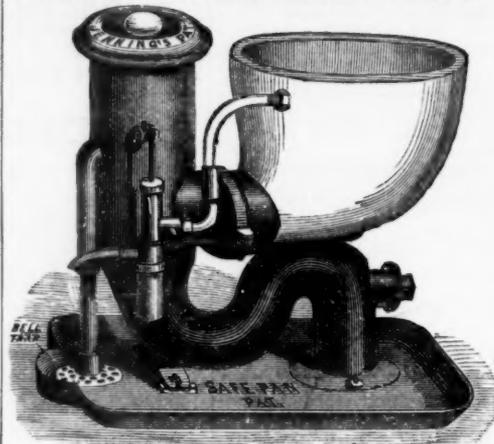
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Mr. HOTT will be pleased to wait upon Architects, when desired, to explain our methods, and to present for inspection construction plans and estimates for any specific work.

**PROPOSALS.**

**TO QUARRYMEN AND GRANITE DEALERS.**

**PROPOSALS FOR CUT STONE.** OFFICE OF LIGHT-HOUSE ENGINEER, } THIRD DISTRICT, } TOMPKINSVILLE, N. Y., Jan. 13, 1877. }

Proposals are solicited, and will be received until noon of Feb. 26, 1877, for furnishing the cut stone for the dwelling and tower for Stratford Shoals Light-house, Long Island Sound, New York.

The stone (granite) is to be cut according to plans and specifications, which, with any other information desired concerning the work, will be furnished to bidders upon application to the undersigned.

The proposals will state the lump sum for which the stone required will be delivered at the harbor of Bridgeport, Conn. The stones are all to be delivered cut and dressed, ready for setting. The labor of erecting the structure will be done by the United States, and should not be included in the proposals.

The stones are to be delivered in parcels, according to sizes, and the order in which they will be required for use, commencing the delivery not later than the 1st of May, 1877, and the entire lot to be delivered within one month thereafter.

Proposals will be in duplicate, with two sureties in an amount equal to the bid attached to each, indorsed by some officer of the Government known to the Treasury Department.

They will be sealed and indorsed "Proposals for Cut Stone for the Stratford Shoals Light-house," and addressed to the undersigned, who reserves the right to reject any bid for proper cause.

**I. C. WOODRUFF,** Colonel of Engineers, United States Army, Engineer Third Light-house District, Post Office Box No. 4,072, New York City.

**CUT GRANITE.** TO QUARRYMEN AND GRANITE DEALERS—PROPOSALS FOR CUT STONE.

**OFFICE OF LIGHT-HOUSE ENGINEER,** Third District, TOMPKINSVILLE, N. Y., Jan. 13, 1877. Proposals are solicited, and will be received until noon of Feb. 26, 1877, for furnishing the Cut Stone for the dwelling and tower for Stratford Shoals Light-house, Long Island Sound, New York.

The stone (granite) is to be cut according to plans and specifications, which, with any other information desired concerning the work, will be furnished to bidders upon application to the undersigned.

The proposals will state the lump sum for which the stone required will be delivered at the harbor of Bridgeport, Conn. The stones are all to be delivered, cut and dressed, ready for setting. The labor of erecting the structure will be done by the United States, and should not be included in the proposals.

The stones are to be delivered in parcels, according to sizes, and the order in which they will be required for use, commencing the delivery not later than the 1st of May, 1877, and the entire lot to be delivered within one month thereafter.

Proposals will be in duplicate, with two sureties in an amount equal to the bid attached to each, indorsed by some officer of the Government known to the Treasury Department.

They will be sealed and indorsed "Proposals for Cut Stone for the Stratford Shoals Light House," and addressed to the undersigned, who reserves the right to reject any bid for proper cause. **I. C. WOODRUFF,** Colonel of Engineers, United States Army, Engineer Third Light-house District; P. O. Box 4072, New York City.

**CITY HALL.**—Sealed proposals for the following work and materials will be received by the Board of New City Hall Commissioners for the city and county of San Francisco, in the room of the Board of Supervisors, between the hours of 12 o'clock, noon, and 1 o'clock, P. M., on Wednesday, Feb. 28, 1877. First—Providing and fixing four boilers with fittings and steam dome, &c., complete, to be completed within twelve weeks; providing and fixing heating and ventilating apparatus for the Hall of Records, to be completed within fourteen weeks; and for the East Wing, to be completed within twenty-four weeks; and providing and fixing an elevator, to be completed within twenty-four weeks. Second—For building an Office to the Hall of Records, and completing the present office; building part of the corridors to the Hall of Records; building brick-work for boilers, smoke culverts and stack, &c., to be completed within twelve weeks. Third—Supplying three hundred barrels of Portland cement, to be delivered on or before the 30th day of June, 1877. The above works to be performed, and the materials supplied, in accordance with drawings and specifications and conditions of contract, to be seen at the office of the Secretary, where forms of proposals and bonds will be furnished to intending bidders. **GEO. W. THOMAS,** Secretary, corner of Leavenworth and McAllister Streets, San Francisco, Cal.

**GAS FITTING—GAS WORKS.**—Sealed proposals will be received until 2 o'clock, P. M., of Wednesday, Feb. 28, 1877, at which time said proposals will be opened for all Gas Fitting, Gas Works, either or both, necessary to light the Eastern Asylum for the Insane, with gas in accordance with plans, specifications, and conditions, adopted by the Board of Commissioners. Said plans can be examined at the office of the Secretary, at Post-office, Mich., on and after Wednesday, Feb. 14, 1877. For further information, or for bidding blanks, address: **C. M. WELL'S,** Superintendent. By order of the Board.

**PROPOSALS.**

**IRON BRIDGE.**—Proposals in sealed envelopes will be received at the office of the Department of Public Parks, 36 Union Square, New York City, until Wednesday, the 26th day of February, 1877, at the hour of half-past nine o'clock, A. M., when they will be publicly opened by the head of the said Department, and read—For building an iron bridge and its piers and appurtenances, in the city of New York, across Harlem River, from One Hundred and Thirty-eighth Street, in the Twenty-third Ward, to a point near the intersection of One Hundred and Thirty-ninth Street and Madison Avenue. The Engineer's estimate of the work to be done, and on which the bids will be tested, is as follows, viz: Estimate of quantities of work to be done, and materials to be furnished: a. 575,200 feet, board measure, of hard pine lumber for piles; b. 63,600 feet, board measure, of hard pine lumber for floors laid; c. 28,000 feet, board measure, of spruce lumber for floors laid; d. 240 piles to be driven; e. 1,012,000 lbs. cast iron, in cylinders and caps, and wrought-iron bolts and nuts for connecting the cylinders; f. 55,400 lbs. cast iron in drum and supports of the trusses; g. 53,500 lbs. wrought iron in the drum of the draw, and the supports of the bridges and draw, and the bolts, nuts, and washers of the piles, and the frame of the crab, and of steel in the rails of the circular tracks of the draw, including all wrought iron excepting what is included in items e and f of this estimate; h. 14,100 lbs. of cast-iron in the wheels and gearing of the draw; i. 400 cu. yards of concrete; k. 410,000 lbs. of wrought iron in the trusses, flooring, and bracing of the draw, and of the side-fixed spans, exclusive of spikes and nails in the flooring; l. 1,000 lbs. of steel on the supporting pins of the draw and washers of the pivot. **WM. R. MARFIN,** President; **H. G. STEBBINS,** **JAMES F. WENMAN,** **WM. C. WETMORE,** Commissioners D. P. F. **WM. IRWIN,** Secretary D. P. F.

**NATIONAL MILITARY CEMETERY.**—Sealed proposals in triplicate, with a copy of this advertisement attached to each, will be received at the office of National Cemeteries, Washington, D. C., until Monday, Feb. 26, 1877, for the construction of a Superintendent's Lodge, of brick or stone, at the Cave Hill National Cemetery, near Louisville, Ky. The work, during its progress, will be frequently inspected by a competent engineer, and a strict compliance with the terms of the contract will be required. The right is reserved to reject any or all bids not deemed of interest to the government. Copies of plans and specifications may be seen, and blank forms of proposals procured, at this office, and at the Quartermaster's offices in New York City (corner Houston and Greene Streets), at Louisville, Ky., St. Louis, Mo., and Atlanta, Ga. Proposals should be indorsed, "Proposals for Lodge at Cave Hill National Cemetery," and addressed to the undersigned. They will be opened at noon on the date specified, when bidders are invited to be present. **A. F. ROCKWELL,** Capt. and A. Q. M.

**JAIL.—CARTER COUNTY, KY.,** has, by the authority vested in its Court, decided to build a County Jail, and has appointed the undersigned Commissioner to superintend the building of the same, and has directed that I shall give public notice that I will receive proposals and plans for the same, together with bids for the completion of the work or any part of said work. Said Jail to be built of stone or brick, or part of stone and part of brick, with steel or stone cells. All proposals, plans, and bids will be fairly presented to the County Court at its next March term; and should the Court accept the bid of any one, the party will be required to enter into a bond, with good surety, for the completion of said Jail according to the contract and directions of said Commissioner in all respects. The Jail to be completed by the first day of October, 1877. Any one wishing to confer with me personally, or by letter, can find me at the office of the Grayson Banking Company, in Grayson, Carter County, Ky. **C. C. MAGANN,** Commissioner. January 15, 1877.

**LIGHTSHIP.**

**TREASURY DEPARTMENT.** OFFICE OF THE LIGHT-HOUSE BOARD, WASHINGTON, Feb. 6, 1877. Sealed proposals will be received at this office until 12 o'clock, A. M., on Tuesday the 6th day of March, 1877, from shipbuilders only, for furnishing the materials and labor of all kinds necessary to construct a first-class lightship, in accordance with specifications and drawings dated 15th January, 1877, copies of which may be had on application to this office, or to the Light-house Inspectors at the Custom House, Portland, Me.; at No. 14 Pemberton Square, Boston, Mass.; at Tompkinsville, Staten Island, N. Y.; and at No. 209 South Sixth Street, Philadelphia, Penn. The Board reserves the right to reject any or all proposals, or to waive defects, if it be deemed for the interests of the United States to do so. **JOHN G. WALKER,** Commander U. S. Navy, Naval Sec'y.

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[Reported for the American Architect and Building News.]

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FRONTS. Croton - Brown... Croton - Dark... Philadelphia... Trenton... Baltimore... For delivery, add \$5 on Philadelphia and Trenton, and \$6 on Baltimore.

CEMENT. Roseville... Portland... Roman... Keene's coarse... Keene's fine...

FIRE BRICK. Red Welsh... Scotch... American...

DOORS, WINDOWS, AND BLINDS. DOORS, RAISED PANELS, TWO SIDES. 2.0 x 6.0... 2.6 x 6.6... 2.6 x 6.8... 2.8 x 6.8...

DOORS, MOULDED. Size. 2.0 x 6.0... 2.6 x 6.6... 2.6 x 6.8... 2.6 x 7.0... 2.8 x 6.8... 2.8 x 7.0... 2.10 x 6.10... 3.0 x 7.0...

GLAZED WINDOWS. Dimensions of Windows. 12 Lights. 8 Lights. 4 Lights. 2.1 x 3.6... 2.4 x 3.10... 2.7 x 4.10... 2.7 x 5.2... 2.7 x 5.6... 2.7 x 5.10... 2.10 x 4.6... 2.10 x 5.2... 2.10 x 5.6... 2.10 x 5.10...

OUTSIDE BLINDS. Per lineal foot, up to 2.10 wide... Per lineal foot, up to 3.1 wide... Per lineal foot, up to 3.4 wide... Per lineal foot, painted and trimmed...

INSIDE BLINDS. Per lineal foot, 4 folds, Pine... Per lineal foot, 4 folds, Ash or Chestnut... Per lineal foot, 4 folds, Cherry or Butternut... Per lineal foot, 4 folds, Black Walnut...

WINDOW FRAMES. Up to 3.4 x 7.2, put together... HAIR. - Duty free. Cattle... Goat...

LIME. State, common, cargo rate... State, finishing... Rockland, common... Rockland, finishing... Ground... Add 25 c. to above figures for yard rates.

GLASS. Duty. - Window, Polished Cylinder, and Crown, not over 10 x 15in., 2 1/2 c. per sq. ft.; larger, and not over 16 x 24in., 4 c. per sq. ft.; larger, and not over 24 x 30in., 6 c. per sq. ft.; above that, and not exceeding 24 x 60in., 20 c. per sq. ft.; all above that, 40 ct. per sq. ft. On Unpolished Cylinder, Crown, and Common Window, not exceeding 10 x 15in., sq., 1 1/2 c.; over that, and not over 16 x 24, 2c.; over that, and not over 24 x 30, 2 1/2 c.; all over that, 3c. per lb.

FRENCH WINDOW. List of March 1, 1876. SINGLE THICK - per box of 50ft. Sizes. 1st. 2d. 3d. 4th. 15 x 8 - 7 x 9... 16 x 14 - 12 x 16... 16 x 18 - 14 x 24... 18 x 24 - 15 x 32... 20 x 32 - 20 x 30... 21 x 30 - 15 x 28... 21 x 34 - 22 x 36... 24 x 36 - 24 x 40... 24 x 42 - 28 x 42... 26 x 46 - 30 x 48... 30 x 50 - 32 x 52... 32 x 54 - 34 x 56... 34 x 58 - 34 x 60... 36 x 60 - 40 x 60...

DOUBLE THICK. 6 x 8 - 7 x 9... 8 x 10 - 10 x 15... 11 x 14 - 12 x 16... 11 x 18 - 14 x 24... 15 x 24 - 15 x 32... 16 x 32 - 20 x 30... 22 x 30 - 15 x 38... 29 x 34 - 22 x 36... 24 x 36 - 24 x 40... 24 x 42 - 28 x 42... 25 x 46 - 30 x 48... 30 x 50 - 32 x 52... 32 x 54 - 34 x 56... 34 x 58 - 34 x 60... 36 x 60 - 40 x 60...

Sizes above, \$15 per box extra for every five inches. An additional 10 per cent will be charged for all glass more than 40 inches wide. All sizes above 52 inches in length, and not making more than 81 united inches, will be charged in the 84 united inches bracket. Discount to the trade, 50 and 10 @ 50 and 10 and 5 per cent.

AMERICAN WINDOW, per box of 50ft. Sizes. 1st. 2d. 3d. 4th. 6 x 8 - 10 x 15... 11 x 14 - 12 x 13... 10 x 16 - 14 x 26... 18 x 22... 26 x 26 - 20 x 30... 25 x 30 - 24 x 30... 21 x 28 - 24 x 36... 25 x 36 - 26 x 44... 28 x 41 - 20 x 50... 30 x 52 - 30 x 54... 30 x 56 - 34 x 56... 34 x 58 - 34 x 60... 36 x 60 - 40 x 60...

Above \$12 per box extra for every five inches. Discount, 70 @ 75 per cent. Also sold at 60 @ 60 and 5 from French list.

GREENHOUSE, SKYLIGHT, AND FLOOR GLASS. Per square foot, net cash. 1/4 Fluted plate... 3-16 Fluted plate... 1/4 Fluted plate... 1/4 Rough plate... 1/2 Rough plate... The New York Tribune says: - "The glass trade is in luck. The experiment of exporting American glass to England is meeting with fair success, and Gen. Pleasanton's theory has stimulated consumption at home. In Boston over 6,000 feet of blue glass were sold by a single house in a week, and the price has advanced 50 per cent."

FOREIGN WOODS. - Duty free. CEDAR. Cuba... Mexican, small... Mexican, large... Florida... MAHOGANY. St. Domingo, crotches, ordinary to good... St. Domingo, crotches, fine... St. Domingo, logs, small... St. Domingo, logs, large... Cuba, logs, small... Cuba, logs, large... Frontiers, Mexican, large... Frontiers, Mexican, small... Other Mexican... Honduras... ROSEWOOD. Rio Janeiro, ordinary to good... Rio Janeiro, good to fine... Bahia, ordinary to good... Bahia, good to fine... Honduras... Satinwood... Tulipwood... Ligustrum, large... LATH. - Cargo rate... LUMBER. Pine, very choice, and extra dry... Pine, good... Pine, shipping box... Pine, common box... Pine, common box, 1/2... Pine, tally plank, 1 1/2, 10in., dressed each... Pine, tally plank, 1 1/2, 2d quality... Pine, tally planks, 1 1/2, culls... Pine, tally boards, dressed, good... Pine, tally boards, dressed, common... Pine, tally boards, culls... Pine, strip boards, merchantable... Pine, strip boards, clear... Pine, strip plank, dressed, clear... Spruce boards, dressed... Spruce plank, 1 1/2in., dressed... Spruce plank, 2in... Spruce wall strips... Spruce timber... Hemlock boards... Hemlock joist, 2 1/2 x 4... Hemlock joist, 3 x 4... Hemlock joist, 4 x 6... Ash, good... Oak... Maple culls... Maple, good... Chestnut... Cypress, 1, 1 1/2, 2, and 2 1/2in... Black Walnut, good to choice... Black Walnut, 1/2... Black Walnut, selected and seasoned... Black Walnut counters... Cherry, good... Whitewood, chair plank... Whitewood, inch... Whitewood, 1/2in... Whitewood, 1/4 panels... Shingles, extra shaved pine, 18in... Shingles, extra shaved pine, 16in... Shingles, extra shaved pine, 15in... Shingles, clear sawed pine, 18in... Shingles, cypress, 24 x 7... Shingles, cypress, 20 x 6...

Yellow pine dressed flooring... Yellow pine girders... Locust posts, 8ft... Locust posts, 10ft... Locust posts, 12ft... Chestnut posts... Cargo rates 10 per cent off.

PAINTS AND OILS. Chalk... China clay... Whiting... Paris white, Eng. (gold)... Zinc, white, American, dry... Zinc, white, American, in oil, pure... Lead, white, American, in oil, pure... Lead, red, American... Litharge, American... Ochre, French, dry (gold)... Ochre, in oil (currency)... Venetian red, English (gold)... Spanish brown, dry... Spanish brown, in oil... Vermilion, Am. Quicksilver (gold)... Vermilion, Trieste (gold)... Carmine, American, gold... Chrome yellow, genuine, dry... Chrome, yellow, in oil... Orange Mineral English, gold... Paris green, pure, dry... Putty, pure... Sienna, raw (American)... Sienna, burnt, American... Sienna, burnt, in oil... Sienna, raw, in oil... Umber, burnt... Umber, burnt, in oil... Umber, raw... Umber, raw in oil... Black, Lamp, Coach... Black, Lamp, ordinary... Black Paint, in oil, kegs... Black Paint, in asst'd, cans...

PLASTER PARIS. Duty. - 20 per cent, ad val. on calcined; lump, free. Nova Scotia, white... Nova Scotia, blue... Calcined, Eastern and city... Calcined, city casting... Calcined, city superfine... Delivered at New York. Purple roofing slate... Green slate... Red slate... Black slate, Pennsylvania (at Jersey City)... Peach bottom (nominally)... Slate tiles, 1 1/2in., rubbed, per sq. ft. delivered... SOLDERS. No. 1... No. 2... TIN PLATES. - Duty, 1 1/2-10c. per lb. I. C. charcoal, 10 x 14... I. C. coke, 10 x by 14... I. X. charcoal, 10 x 14... I. C. charcoal, 14 x 20... I. X. charcoal, 14 x 20... I. C. coke, 14 x 20... I. C. coke, terme, 14 x 20... I. C. charcoal, terme, 14 x 20... ZINC. - Duty, sheet, per lb. 2 1/2 c. Sheet (gold) foreign... LEAD. Bar... Sheet... Pipe... Discount 10 per cent to trade.

THE BOSTON MARKET.

Builders' Hardware. NAILS. 10d... 10d... 8d... AXLE PULLEYS - Steel. 2 in., Pennsylvania make... 2 in., Boston make... SASH WEIGHTS... SASH LINE. Best hemp... Best linen... DOOR BUTTS. Size - 4 1/2 x 4 1/2 x 5 x 5. Japanned Acorn... Plain Bronzed Iron... Ornamental Bronzed Iron... Ornamental Bronze Metal... MORTISE LOCKS - Brass face and bolt - easy spring. 3 1/2 to 4 1/2 in... Do., for front doors... Factory make, plain front... Boston make, plain front... DOOR KNOBS. Solid glass... Silvered glass... Cut glass... Nickel plated... Bronze metal... SASH FASTS. Plain brass... Plain brass, self-locking... Nickel plated, self-locking... Bronze metal, self-locking... SCREWS. Round head, nickel plated for window beads... STORE DOOR HANDLES - with mortise latch. Lacquered brass... Bronze metal...

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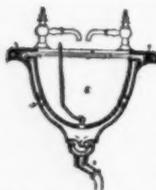
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The use of these Sashes gives perfect security without the usual gratings that have a prison-like appearance. Wherever introduced both architects and medical superintendents testify to their worth. Manufactured by

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Fine Castings of Malleable and Gray Iron, German Silver, and Composition; also Patterns a specialty.



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**Wellington's Patent Wash-Bowl.**

The use of this new and invaluable improvement precludes all possibility of overflow, by which buildings are so often damaged to the extent of thousands of dollars.

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**THE NEW CAPITOL AT ALBANY.** — At a hearing before the joint committees of the New York Legislature, on the 13th inst., upon the question of completing the new State Capitol, the estimates as to the cost of finishing the building under the new and old plans were submitted by the architects. The estimated cost under the new plan, without the tower, was about \$3,600,000; and that under the old plan, including the tower, is nearly three-quarters of a million less. It is the intention of the committees, before accepting either plan and making a report, to consult with leading architects of the State.

**THE BOSTON BUILDING-LAW.** — The Judiciary Committee of the Massachusetts House of Representatives has reported the bill prohibiting the erection of houses in Boston with projections upon or over the sidewalk, with certain amendments, the effect of which will be to make the law applicable only to structures to be hereafter erected.

**AN OHIO THEATRE.** — The Quimby Opera-House at Wooster, O., at present a frame building, is to be incased with brick.

**DISCOVERY AT POMPEII.** — A little tavern has been dug out at Pompeii. It contains a table used by the drinkers, and surrounded with mugs of earthenware. The walls show representations of drinking scenes in which the participants sit on wooden benches, assuming all sorts of hilarious postures and expressions. Several inscriptions describe with sufficient minuteness what is going on.

**ST. ISAAC'S CHURCH, ST. PETERSBURG.** — A writer in *Good Words* says of St. Isaac's Church at St. Petersburg, "This St. Isaac's Church, built on piles forced deep down into a yielding morass, and continually requiring repairs, from an awkward habit of slipping, has already cost three millions sterling; and to an impartial mind is hardly worth the money. It is a four-square building, approached on each side by a grand flight of steps, and supported by a magnificent peristyle of columns sixty feet high, granite monoliths from Finland. There is a central cupola, richly gilt, and supported by thirty granite pillars, the whole surmounted by a golden cross three hundred and sixty feet from the ground. The capitals of the columns are in bronze, and there is much metal ornamentation on the exterior, in the shape of bas-reliefs, statues, and busts; a mingling of materials which to me seemed infelicitous. Imposing, however, as the exterior undoubtedly is, the interior is yet more striking to an eye accustomed to the austere simplicity of Protestant churches. The walls are of polished marble, covered with pictures, many of which are in exquisite mosaic. The roof is painted in fresco. The *iconostas*, or screen, which in Greek churches separates the body of the church from the sanctuary, is adorned with columns of malachite and lapis lazuli, and profuse gilding everywhere gives a rich and splendid effect. Roughly described, St. Isaac's is a sort of dwarfed St. Paul's, without nave or choir." The strong point of the church is the dome, of iron, and noted for the skill of its construction.

## BUILDING INTELLIGENCE.

**Notable New Edifices in New York and Philadelphia.**  
Buildings projected in different sections of the country this week.

[Reported for the American Architect and Building News.]

### New York—City and State.

**THE PRODUCE EXCHANGE.** — The building occupied by the New York Produce Exchange has become inadequate to the wants of its increased membership, furnishing, as it does, insufficient accommodation for the varied business transacted on its floors, and affording little opportunity for enlargement on its present site; and the members will soon vote upon the proposition to erect a new edifice.

**BUILDINGS PROJECTED.—WEEK ENDING FEB. 14.** — These are twelve in number, French flats and dwellings, — 3 wood, 9 brick. Total value, \$70,000. Situated on Bowery, Prospect Avenue, Cherry, 56th, 49th, 37th, 130th, 98th, 103d, and Garrick Streets, Central and Courtlandt Avenues.

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A. Blake		
H. Mulstep		

\* Largest building. — French flats. — Messrs. Cockerill & Spaulding. Value, \$22,000. Situated on Cherry Street.

**NEW JAIL FOR BROOKLYN.** — The Jail Committee of the Brooklyn Board of Supervisors received permission on Wednesday to purchase of the Brooklyn City Hospital for \$25,000, two lots of ground of 100 feet front on Raymond Street, extending back as far as the old jail, for the purpose of erecting a new building. The old jail which has been indicted by six or seven different grand juries, has become a nuisance, and will be torn down. The plans and specifications of the new building will be laid before the Board before April 1.

**THE NEW HOSPITAL FOR RAILROAD EMPLOYEES.** — Mr. William H. Vanderbilt will, it is said, shortly begin the erection of an asylum for broken-down and disabled employees of the railroads controlled by his father.

**NEW CHURCHES.** — During the summer Mr. A. L. Mason will rebuild the "Old Stone Church" at Clinton, N.Y., and remodel the "First Presbyterian Church" at Geneva, N.Y., both from designs by Mr. H. N. White, architect, of Syracuse.

### Boston.

**NEW HIGH AND LATIN SCHOOL HOUSE.** — There are prospects of the erection, at no distant day, of a new High and Latin school building in Boston, the Bedford Street edifice proving inadequate to present demands. A few years ago, the city contemplated erecting a building to accommodate these schools, and secured a site lying between Dartmouth and Clarendon Streets and Warren Avenue, which it now holds. Plans were drawn for a building to include the two schools, a gymnasium and drill hall, and headquarters for the School Board. Prizes were awarded for the four best plans, amounting to \$2,800, to Carl Felmer, S. J. F. Thayer, Ware & Van Brunt, and Sturgis

& Brigham. A plan was not agreed upon by the School Board, however, and the "hard times" soon put a stop to further proceedings. The Committee on Public Instruction have again taken up the matter, and it is suggested that a beginning might be made on a new building with an appropriation of \$100,000 this year. Again, it is thought that perhaps a building suitable to accommodate one of the schools might be built this year, and so constructed that, when the other was erected, the two might at some future time, be connected with a drill hall, as was originally proposed. The land on which the Bedford Street, South Street, and Harrison Avenue buildings are situated could, it is said, be sold for an amount that would go far towards paying for the new buildings.

**NEW SCHOOL-HOUSE.** — The City Architect is preparing drawings for a new Grammar-school house to be erected in the Andrew District, on a lot of land recently purchased by the city. It will accommodate sixteen rooms, and a hall. The building will be of face brick, trimmed with sandstone, after the mediæval style. The city will advertise for proposals for furnishing these materials, about the 1st of March. The estimated cost of the new edifice is about \$70,000.

**BUILDINGS PROJECTED.** — The number of permits granted for new buildings at City Hall for the week ending Feb. 15 is only twelve, of which one is brick, to be erected by James U. Ettridge. The others comprise houses, stores, etc., ranging in price from \$1,000 to \$5,000. The builders are Stephen G. Dever, Stephen E. Sprague, James Conroy, Nahum M. Morrison, Amasa Wood, John Carrigan, and Henry W. Balcomb.

### Philadelphia.

**A LARGE BUILDING ENTERPRISE.** — One of the latest improvements contemplated in Philadelphia is the erection of a new and handsome building by the Provident Life and Trust Company. The company recently purchased from the People's Bank two lots fronting on Chestnut Street, above Fourth, Nos. 409 and 411, 47 feet, running through to Ranstead Street; also, from Glading & Son, Nos. 42 and 44 South Fourth Street, 25 feet, extending back to the lots fronting on Chestnut and Ranstead Streets. The whole property cost \$175,000, and as it gives a T-shaped lot, fronting on two business thoroughfares, its value can easily be understood. It has not been definitely settled when the erection of the building will be commenced, but it will not be, probably, before the spring of 1878.

### Pittsburg.

**NEW FIRE-PROOF BUILDINGS.** — The La Delle Steel Works, Pittsburg, lately destroyed by fire, are to be replaced by iron fire-proof building. The main mill building will be a single span, 126 feet wide and 396 feet long. The interior will be lighted from the roof, the sash being of iron, and filled with heavy glass, and the balance of the covering will be of corrugated iron. The melting-house, 27 feet x 85 feet, will also be of iron. The contract was awarded to William B. Scaife & Sons, of Pittsburg, who have designed and erected many of the large fire-proof establishments scattered all over the country. This firm is the pioneer establishment in this line west of the mountains, having been the first to introduce this class of building over twenty years ago.

### Ottawa, Canada.

**BUILDING-OPERATIONS DURING THE PAST YEAR.** — In Ottawa the total amount spent in building-operations during 1876 foots up \$385,000; while \$150,000 additional have been spent on the extension of the Government Offices. Of the city work, the City Hall cost \$80,000, Messrs. Horsey and Sheard being the archi-

itects. Next come three churches, two at \$15,000 each, and one at \$50,000, all of which have had architects retained in their construction. Then there are forty-nine dwelling-houses, ranging from \$1,000 to \$18,000 each, of which twelve only were designed by architects. Of warehouses there are but seven, costing from \$3,000 to \$6,000 each, these being entirely without architectural supervision.

### Springfield, Mass.

**SMITH & WESSON'S MANUFACTORY.** — Messrs. Ferry & Gardner have drawn plans for the erection of an addition of brick 100 by 35 feet, and five stories in height, to Messrs. Smith & Wesson's Revolver Manufactory. The mason work is to be done by Mr. Frank Howe.

### General Building Items.

The elevator at the new City Hall at Providence, which has carried 5,500 pounds, is soon to be tested with 4,500 to see if the safety-clamps work as intended. With this load the wire cables will be suddenly severed, as if an accident had happened, and the clamps are expected to keep the car from falling.

The Governors of the Woman's Hospital have received from the architect and builder, the Baldwin Pavilion, which has been erected on the grounds of the hospital, at Lexington Avenue and Fifth Street, New York. Messrs. John Jacob and William Astor each contributed \$2,500 towards the building of the Pavilion.

The prospects for building in Cambridge, Mass., during the season to come, are reported to be excellent. Although no very extensive enterprises are contemplated, it is believed the number of buildings to be erected will be considerable.

An appropriation is asked to repair the chapel of the State Industrial School for Girls at Lancaster, Mass.

## BUILDING MATERIALS.

SOME FEATURES OF THE MARKETS DURING 1876.

[Reported for the American Architect and Building News.]

### New York.

As a general rule the market for building-materials has been dull during the past year, although on several occasions there have been signs of business activity; but these have been confined to leading lines of goods, while the general demand has continued sluggish, and unsatisfactory to the trade. The low prices at which some of the goods used in buildings are offered has failed to stimulate trade, simply because of a corresponding want of activity among builders. While there can be said to be no great surplus of goods on hand there is a sufficiency of all kinds for present calls; but should the building interests soon revive in various sections of the country, as now seems probable, manufacturers will see their way clear to begin to increase the amount of production, and that too, they hope, at a slight advance from the very low prices at which they have been and are now compelled to offer their goods. The February number of the *Manufacturer and Builder* takes this encouraging view: —

"Combinations to control and manipulate supplies have in nearly all cases proven a failure; old stocks have been forced off and the market thus relieved of a constant drag, while the new amounts taken in have been judiciously selected, so that, as the position now stands, the accumulation is well assorted but of moderate dimensions. Any revival of demand therefore must at once give sellers an advantage and insure a fair, profitable business, especially as speculative inclinations are greatly curbed, and the tendency is to part with goods whenever a reasonable margin can be realized. How soon or to what extent an increased confidence in the policy of improving of real estate may be expected, there is at present no good data for positive conclusion; but in view of the healthful change in the general business circles during the past six months, there is reason to hope that city property may also soon commence to obtain some of the beneficial

results of the gradual restoration of confidence to the commercial community."

Boston.

The trade in building-materials in Boston for the year 1876 has been marked by great decrease in the amount of business done, and by consequent falling-off in prices, though the year commenced with prices at so low a point that the decline has not been great.

Lumber of all kinds has declined during the year from 4 to 10 or 15 per cent, the decline being least on the cheaper kinds. Since the report of the lumber market Feb. 1, there has been but little change.

Some, whether foundation or hammered, has not materially changed in price. The absence of demand has prevented any advance; and the fact that it is selling considerably below a living profit has made further decline impossible.

State has maintained an even market throughout the year; but the decline in tin has made tin roofing some ten or fifteen per cent cheaper than a year ago.

In hardware there has not been much change, though what has occurred has been in a downward direction. In many kinds, however, the improvement in finish and quality, which a more exacting standard has called forth without any or with very inadequate enhancement of price, has amounted to a very considerable shrinkage to the manufacturer.

In general it may be remarked that the spring of 1877 will open with prices of all building-materials at a point so low as to render any important decline impossible; and there is a feeling of firmness in the market, that will need only the reviving breath of business to effect some improvement.

The Ottawa Lumber Market.

The lumber-trade of Ottawa with the United States, during 1876, was admittedly dull, while, on the other hand, the Quebec trade in square timber picked up considerably.

Table with columns for months (May to November), Can. Boats, Am. Boats, No. feet, and values. Includes a section for 1875 data.

Following is a statement of shipments from Ottawa, Hull, and Buckingham:

Table showing shipment statistics for sawn lumber from April 1 to June 30, July 1 to Sept. 30, and Oct. 1 to Nov. 23.

Table listing other classes of woods and manufactures of wood, such as railway ties, hop poles, fence posts, and various types of lumber.

Architects and Builders in all parts of the country are requested to forward for publication in the American Architect and Building News, such items of interest in regard to building enterprises in their localities as they may deem of interest.

Publishers' Department.

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The Walworth Manufacturing Company.

This company, whose office is at No. 69 Kilby Street, Boston, has lately finished its contract for furnishing the steam-heating apparatus for the Columbus Hospital for the Insane, at Columbus, Ohio, of which Mr. T. R. Tinsley was the architect.

The Walworth Manufacturing Company, of Boston, Mass., who have furnished the steam-heating, ventilation, and water-supply apparatus, being the largest and most complete of its kind on this continent, are especially deserving of official mention.

In addition to the above, the Walworth Company has lately been awarded the contract for furnishing the engines and fans for ventilating purposes; also for supplying the kitchen cooking-apparatus, laundry and dry-room machinery in the same buildings.

The State Capitol at Lansing, Mich., will be heated by apparatus from the Walworth Works. The contract for this amounted to about \$60,000. They will also heat the Iowa State House of Correction, at Iowa, Mich.

Classified Advertisements.

Table listing classified advertisements for various categories: ARCHITECTS, ARCHITECTS' AND ENGINEERS' STATIONERY, ARCHITECTURAL BOOKS, ARCHITECTURAL IRON WORK, ARTIFICIAL WOOD ORNAMENTS, BRICK, BRONZE DECORATIONS, BUILDERS AND REAL ESTATE IMPROVERS, BUILDERS' HARDWARE, BUILDERS IN IRON, BUILDING STONE, CABINET FURNITURE AND UPHOLSTERY, CABINET ORGANS, CHURCH FURNITURE, CONTRACTORS AND BUILDERS, and WOOD CARPETING.

Table listing various services and products: CLOCKS FOR PUBLIC BUILDINGS, DESIGNING AND WOOD ENGRAVING, DIFFERENTIAL PULLEY BLOCKS, DRAIN PIPE, ELECTRIC BELLS, ANNUNCIATORS, &C., ELEVATORS, ELEVATORS, STEAM ENGINES, &C., FELT ROOFING, FIRE-BRICK AND CHIMNEY-TOPS, FIRE-PROOF BUILDINGS, FURNITURE AND DECORATION, FRESCO PAINTERS, GAS FIXTURES, GAS MACHINES, IRON BRIDGES, IRON MERCHANTS, IRON WORK FOR BUILDINGS, IRON WINDOW SASHES, LINEN HOSE, LOCK AND BRONZE HARDWARE, MARBLE FLOORING TILES, SCAGLIOLA AND MAREZZO MARBLE, MARQUIS BASKET HOPPER, ORNAMENTAL AND CUT GLASS, ORNAMENTAL BRONZES, ORNAMENTAL IRON WORKS, PAINT, PAPER HANGINGS, PARLOR GRATES, PARLOR GRATES, BRASS FENESTERS AND IRONS, PLUMBERS, PLUMBERS' SUPPLIES, PORTLAND CEMENT, SHUTTERS (ROLLING WOOD), SHUTTERS (STEEL), SKYLIGHTS, SLATE MANTELS, &C., SPRING HINGES, STAINED GLASS, STEAM HEATING APPARATUS, STEAM PUMPS, STONE DRESSING WORKS, TERRA COTTA WORKS, THE USEFUL, TILES, VENEZIANE, and VENTILATION.



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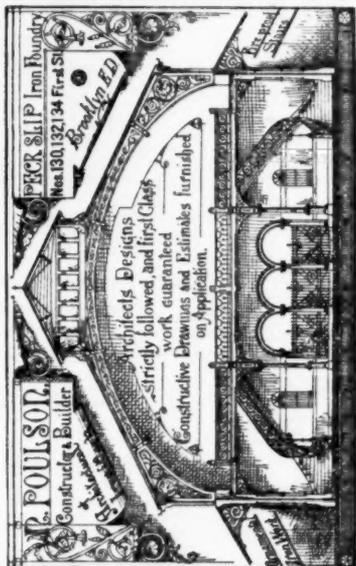


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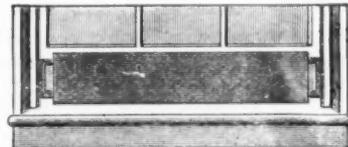
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- Rochester.**—Pollack, Weaver, & Co., 17 Buffalo st.
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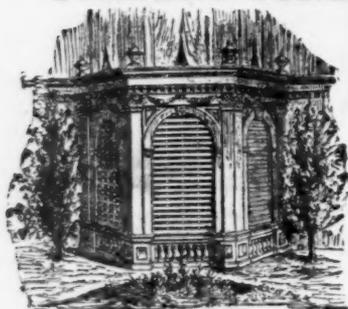
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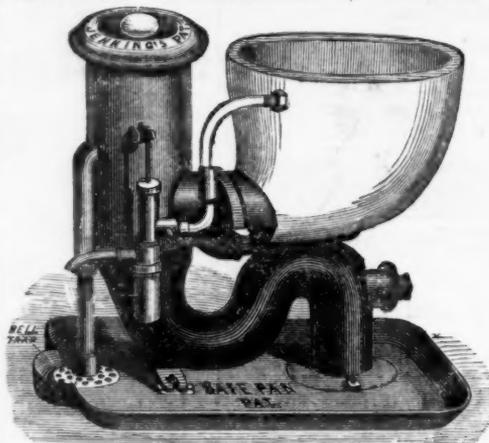
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tion construction plans and estimates for any specific work.

**PROPOSALS.**

**CAST IRON WATER PIPES.**

CITY OF BOSTON, CITY HALL,  
BOSTON WATER BOARD OFFICE,  
Feb. 16, 1877.

Sealed proposals will be received at this office until 12  
o'clock, P. M. of Thursday, the first day of March, 1877. For  
separate contracts, to be indorsed as follows: 1st, "Propo-  
sals for Cast Iron Water Pipes for Reservoirs on Su bury  
River;" 2d, "Proposals for Cast Iron Water Pipes for the  
Connection of the Su bury River Canal with Chestnut  
Hill Reservoir, and for the Cochituate Division of the Bos-  
ton Water Works;" 3, "Proposals for Cast Iron Water  
Pipes for the Charlestown District." And at that time and  
place they will be publicly opened and read.

Bidders are required to state in their proposals their  
names and places of residence. Each bid must be signed by  
the bidder, and accompanied by a written bond of a respon-  
sible person, giving his place of business or residence, and  
conditioned for the execution of the contract (with satisfac-  
tory security for its performance) within the time specified  
in this advertisement. In case the bid be accepted; or in lieu  
of the bond aforesaid, a sum of money or other satisfactory  
collateral security in the same amount may be deposited  
with said Water Board.

The amount of the bond required with the bid is \$1,000 for  
the first, \$1,000 for the second, and \$500 for the third con-  
tract.

The person to whom the contract may be awarded will be  
required to execute the contract within four days (not in-  
cluding Sunday) from the date of notification of such award,  
and the preparation and readiness for signature of contract.  
The delivery of the 48-inch pipes and special castings to  
commence on or before May 1, 1877; and the remainder as  
soon as naviga ion opens in the spring of 1877, and to be  
completed for the first contract on the first day of October,  
1877; for the 48-inch pipes and special castings of the second  
contract, on the first day of September, 1877; and for the  
remainder of the pipes, on the first day of August, 1877.

The estimate of the quantities required, and by which the  
bids will be compared, is as follows:—

**First Contract.**  
200 tons of 48-inch pipe, 1 inch thick.  
110 tons of special castings.

**Second Contract.**  
1200 tons of 48-inch pipe, 1 1/2 inches thick.  
140 tons of special castings in connection with 48-inch  
pipe.

290 tons of 12-inch pipe, class B.  
260 tons of 12-inch pipe, class A.  
285 tons of 6-inch pipe, class B.  
75 tons of 4-inch pipe, class B.

**Third Contract.**  
270 tons of 12-inch pipe, class B.  
30 tons of 10-inch pipe, class B.  
100 tons of 8-inch pipe, class B.  
140 tons of 6-inch pipe, class B.  
74 tons of 4-inch pipe, class B.

Specifications may be obtained and plans seen at the office  
of the City Engineer, City Hall, Boston.

The amount of security required will be such sum as may  
be fixed by the Water Board after the proposals are opened;  
said sum not to be less than one-fourth nor more than one  
half of the amount of the contract.

The sureties of the bond for the contract must be resi-  
dents of Massachusetts.

The Water Board reserves the right to reject any or all  
bids, should it deem it to be for the interest of the City of  
Boston so to do.

TIMOTHY T. SAWYER,  
Chairman Boston Water Board.

**IRON BRIDGE.**—Proposals in sealed en-  
velopes will be received at the office of the Department  
of Public Parks, 36 Union Square, New York City, until  
Wednesday, the 28th day of February, 1877, at the hour of  
half-past nine o'clock, A. M., when they will be publicly  
opened by the head of the said Department, and read.—For  
building an iron bridge and its piers at a appurtenances, in  
the city of New York, across Harlem River, from One Hun-  
dred and Thirty-eighth Street, in the Twenty-third Ward, to  
a point near the intersection of One Hundred and Thirty-  
ninth Street and Madison Avenue. The Engineer's esti-  
mate of the work to be done, and on which the bids will be  
tested, is as follows, viz.: Estimate of quantities of work to  
be done, and materials to be furnished: a. 576,500 feet,  
board measure, of hard pine lumber for piles; b. 62,000 feet,  
board measure, of a spruce lumber for floors laid; c. 29,000  
piles to be driven; e. 1,012,000 lbs. cast iron, in cylinders and  
caps, and wrought-iron bolts and nuts for connecting the  
cylinders; f. 65,400 lbs. cast iron in drum and supports of  
the draw, and braced, including all cast iron connected with  
the trusses; g. 53,500 lbs. wrought iron in the drum of the  
draw, and the supports of the bridges and draw, and the  
bolts, nuts, and washers of the piles, and the frame of  
the crab, and of steel in the rails of the circular tracks of the  
draw, including all wrought iron excepting what is included  
in items e and f of this estimate; A. 14,100 lbs. of cast iron  
in the wheels and gearing of the draw; i. 400 cu. yards of  
concrete; k. 410,000 lbs. of wrought iron in the trusses,  
flooring, and bracing of the draw, and of the side-fixed  
spans, exclusive of spikes and nails in the flooring; l. 1,000  
lbs. of steel on the supporting pins of the draw and washers  
of the pivot. WM. R. MARTIN, President; H. G. STEB-  
BINS, JAMES F. WENMAN, WM. C. WETMORE, Commis-  
sioners D. P. P.

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**PROPOSALS.**

**IRON BRIDGE.**

OFFICE OF AUDITOR OF CUYAHOGA COUNTY,  
CLEVELAND, O., Feb. 12, 1877.

Sealed proposals will be received at the office of the  
Auditor of Cuyahoga County, O., until 12 o'clock, M., March  
13, 1877, for materials and labor necessary for constructing  
and erecting an iron superstructure for a bridge across  
Rocky River, at the Bridge-street crossing in Berea  
Village.

The bridge will be about ninety-one feet long (over all),  
roadway eighteen feet wide in the clear, and two sidewalks,  
each six feet wide in the clear. There will be iron floor  
beams 32 1/2 feet long.

Plans and specifications may be seen, and blank proposals  
can be obtained, at the office of the Auditor of Cuyahoga  
County, after Feb. 25, 1877.

The County also invites proposals on any other plan, at  
the option of the bidders, which proposal must be accom-  
panied with full and clear plans, specifications, and strain  
sheet for the bridge to carry in addition to its own weight,  
a variable moving load of two thousand five hundred  
pounds per lineal foot (factor 5), and must state whether  
there is any patent right on the proposed plan, or on any,  
and if any, what, portion thereof.

No proposals will be entertained unless made on the  
blanks furnished by the Auditor of Cuyahoga County.

Each proposal must contain the full name of the party or  
parties making the same, and must be accompanied with a  
bond of \$500, with good and sufficient surety that if the  
proposal is accepted, a contract will be entered into.

The County reserves the right to accept any or reject all  
bids.

By order of the Commissioners of Cuyahoga County,  
L. D. BENEDICT, County Auditor.

**IRON WORK.**

OFFICE OF THE SUPERVISING ARCHITECT,  
TREASURY DEPARTMENT,  
WASHINGTON, D. C., Feb. 14, 1877.

Sealed proposals will be received at this office until 12  
M., on the seventh day of March, 1877, for furnishing, deliv-  
ering, and putting in place the Wrought and Cast Iron  
Work, comprising Columns, Pilasters, &c., in the First  
Story, and Rolled-iron Beams, in (31 tier) Second Floor of  
the U. S. Custom-House and Post-Office at Cincinnati, O.;  
all as exhibited by the drawings, described in the specifica-  
tion, and called for in the schedule.

Copies of drawings, specification, and schedule, form of  
proposal, and any additional information, may be had on  
application at this office, or at the office of the Superinten-  
dent of the building, Samuel H. Van Hook, Esq.

JAMES G. HILL, Supervising Architect.

**LIGHTSHIP.**

TREASURY DEPARTMENT,  
OFFICE OF THE LIGHT HOUSE BOARD,  
WASHINGTON, Feb. 6, 1877.

Sealed proposals will be received at this office until 12  
o'clock, A. M., on Tuesday the 6th day of March, 1877, from  
shipbuilders only, for furnishing the materials and labor of  
all kinds necessary to construct a first-class light-ship, in  
accordance with specifications and drawings dated 15th  
January, 1877, copies of which may be had on application to  
this office, or to the Light-house Inspectors at the Custom  
House, Portland, Me.; at No. 14 Pemberton Square, Boston,  
Mass.; at Tompkinsville, Staten Island, N. Y.; and at No.  
209 South Sixth Street, Philadelphia, Penn.

The Board reserves the right to reject any or all propo-  
sals, or to waive defects, if it be deemed for the interests  
of the United States to do so.

JOHN G. WALKER,  
Commander U. S. Navy, Naval Sec'y.

**LANE & BODLEY CO.**  
HYDRAULIC  
ELEVATORS.

These Elevators combine advantages over steam, in first  
cost of construction, running expense, convenience, cleanli-  
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311 1/2 Walnut St. { 10 Pine St.

BUILDING MATERIALS.

[Reported for the American Architect and Building News.]

LATEST NEW YORK QUOTATIONS.

Feb. 23, 1877.

Table with columns: BRICK, Nominally, Cargo Afloat, and prices for various types of bricks like Pale, Jersey, Long Island, etc.

Table with columns: FRONTS, Croton - Brown, Croton - Dark, Croton - Red, Philadelphia, Trenton, Baltimore, and prices.

Table with columns: CEMENT, Rosendale, Portland, Roman, Keene's coarse, Keene's fine, and prices.

Table with columns: FIRE BRICK, Red Welsh, Scotch, American, and prices.

Table with columns: DOORS, WINDOWS, AND BLINDS, DOORS, RAISED PANELS, TWO SIDES, and prices for various door and window sizes.

Table with columns: DOORS, MOULDED, and prices for various door sizes and styles.

Table with columns: GLAZED WINDOWS, Dimensions of Windows, and prices for different window configurations.

Table with columns: OUTSIDE BLINDS, and prices for different types of window blinds.

Table with columns: INSIDE BLINDS, and prices for different types of window blinds.

Table with columns: WINDOW FRAMES, and prices for different window frame styles.

Table with columns: HAIR - Duty free, Cattle, Goat, and prices.

Table with columns: LIME, State, common, cargo rate, and prices.

Table with columns: GLASS, Duty - Window, Polished Cylinder, and Crown, and prices.

Table with columns: FRENCH WINDOW, List of March 1, 1876, and prices for various window sizes.

Table with columns: DOUBLE THICK, and prices for various window sizes and thicknesses.

An additional 10 per cent will be charged for all glass more than 40 inches wide. All sizes above 52 inches in length, and not making more than 81 united inches, will be charged in the 84 united inches bracket.

Discount to the trade, 50 and 10 @ 50 and 10 and 5 per cent.

Table with columns: AMERICAN WINDOW, per box of 50ft, and prices for various window sizes.

Above \$12 per box extra for every five inches. Discount, 70 @ 75 per cent. Also sold at 60 @ 65 and 5 from French list.

Table with columns: GREENHOUSE, SKYLIGHT, AND FLOOR GLASS, and prices for different types of glass.

Table with columns: FOREIGN WOODS - Duty free, and prices for various types of wood.

Table with columns: MAHOGANY, St. Domingo, crotches, ordinary to good, and prices.

Table with columns: ROSEWOOD, Rio Janeiro, ordinary to good, and prices.

Table with columns: LATH - Cargo rate, and prices for different types of lath.

Table with columns: LUMBER, Pine, very choice, and extra dry, and prices for various types of lumber.

Table with columns: PAINTS AND OILS, and prices for various types of paint and oil.

Table with columns: Lead, white, American, in oil, pure, and prices for various types of lead and paint.

Duty - 20 per cent, ad val on calcined; lump, free. Nova Scotia, white, and prices.

Table with columns: PLASTER PARIS, and prices for different types of plaster.

Table with columns: SLATE, Purple roofing slate, and prices.

Table with columns: SOLDERS, No. 1, and prices.

Table with columns: TIN PLATES - Duty, 1-10c, and prices for various types of tin plates.

Table with columns: ZINC - Duty, sheet, and prices.

Table with columns: LEAD, Bar, Sheet, Pipe, and prices.

[Reported for the American Architect and Building News.] THE BOSTON MARKET. Feb. 23, 1877.

Table with columns: BUILDERS' HARDWARE, NAILS, and prices.

Table with columns: AXLE PULLEYS - Steel, and prices.

Table with columns: SASH WEIGHTS, SASH LINE, and prices.

Table with columns: DOOR BUTTS, and prices for different types of door butts.

Table with columns: DOOR KNOBS, and prices for different types of door knobs.

Table with columns: SASH FASTS, and prices for different types of sash fasts.

Table with columns: SCREWS, and prices for different types of screws.

Table with columns: STORE DOOR HANDLES - with mortise latch, and prices.

Lacquered brass, and prices.

TO IRON-WORKERS.

The Boston Society of Architects offers a prize of fifty dollars for an ornamental strap-hinge of wrought iron for an outside door. Hinges offered in competition for the prize are to be delivered at the Architectural Rooms of the Massachusetts Institute of Technology, in Boylston Street, Boston, addressed to the Boston Society of Architects, with the name of the workman who executed them, before the first Friday in April, for examination at the meeting of the Society on that day. After adjudication, the approved examples will be on exhibition at the Boston Museum of Fine Arts. Blacksmiths and workers in wrought iron throughout New England are invited to compete.

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For Insane Hospitals, Fire Proof Buildings, &c.



The use of these Sashes gives perfect security without the usual gratings that have a prison-like appearance. Whosoever introduced both architects and medical superintendents testify to their worth. Manufactured by

D. M. MEEKER & SON, Newark, N.J.

Fine Castings of Malleable and Gray Iron, German Silver, and Composition; also Patterns a specialty.

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The use of this new and invaluable improvement precludes all possibility of overflow, by which buildings are so often damaged to the extent of thousands of dollars. It can be introduced at the cost of the ordinary wash-bowl. This guaranty accompanies every basin sold to our patrons:—  
 We hereby pledge ourselves to remove our basins, and replace them with any other kind now in use, that parties interested may select, without expense to them, immediately on their failure to fulfil the following conditions, provided the trap is kept in running order:—  
 1st. We warrant our trap to remain free and open as long or longer than any other trap used with wash-bowls, and they are easily cleaned in case of stoppage.  
 2d. No overflow or leakage of any kind will occur.  
 3d. No sewer gas will escape from the drain or pipe, or any offensive smells arise from them.  
 4th. These bowls will remain free and clear from any accumulation of soap or grease or other offensive matter in the space between the inner and outer bowls.  
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 ENGLISH ROMAN, AND PORTLAND CEMENT.  
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 It is the purpose of this publication to furnish ornamentation for buildings, decorative painting, and furniture. The plates consist of scale and perspective drawings of interiors, ornaments of buildings, accompanied by detail drawings of working size.  
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\*.\* Copies of the above sent free by mail on receipt of price. Catalogues free.

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 Invented 1850.  
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 It emits no poisonous gas like other paints while drying. Its surface is a perfect enamel, from which any specks of dirt may easily be removed.  
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**Dumping and Shaking Grates.**  
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 We guarantee our goods to be the  
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 Tuttle & Bailey Registers a specialty.  
 Can furnish at lowest prices to the trade.  
 It will not pay to come 500 miles expressly to examine our stock, better to send for Catalogue and prices.  
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 AND BUILDERS' HARDWARE.  
 Estimates given on all kinds of Iron Work.  
 Send Stamp for Catalogue.  
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**GRAIN ELEVATOR.** — In the case of Lowry and others vs. Detwiler and Welsh, an application for an injunction to restrain the defendants from erecting and operating a wooden grain elevator and drying-house, on Market Street, Philadelphia, adjoining the properties of the complainants, the judge decided that the danger apprehended from the structure was a contingency of too remote a character to warrant the interference of a court of equity; and has refused the application.

**THE SHAKESPEARE MEMORIAL.** — The corner-stone of the Shakespeare Memorial Hall at Stratford-on-Avon is to be laid by Prince Leopold, April 23. £6,000 of the required £10,000 are subscribed.

**FALL OF A DERRICK.** — A serious accident, and one that might well have been fatal to many persons, occurred on the 19th inst. at the new Court-House, New York. A derrick that had been erected on the top of a brick wall by the men employed in building the new dome suddenly gave way, and fell to the flagging beneath. A difference of a few feet in the line of its fall would have made it pass through the glass flooring above the Law Telegraph Office, and might have caused a serious loss of life on the crowded floor beneath. One workman was entangled in the guys of the falling derrick, and sustained severe injuries. The derrick was being used to lower the heavy cast-iron columns, which, owing to the recent changes, have become useless, and are to be sold possibly for old iron.

**THE FRIEZE OF THE PARTHENON.** — Recent excavations at the foot of the Acropolis at Athens have brought to light various fragments that are thought to belong to the frieze of the Parthenon. The fragment of the frieze known as the Cottatio fragment has been moulded by permission of the trustees of the Archduke Charles of Austria, and a cast of it has recently been placed in the British Museum. Its position in the frieze is not yet determined.

**A BURIED CITY.** — In August, 1618, Plurs, a flourishing little town in the Grisons, and the centre of an important transit trade, was totally destroyed and buried by a land-slide from Monte Conto. Nearly a thousand persons lost their lives instantaneously, among others the congregation assembled at the time in the church of St. Cassian. The town was known to be wealthy; and from time to time coins, church ornaments, and utensils, have been dug up on the banks of the Meira. It is now proposed to form a stock company for the purpose of exhuming these buried treasures. A capital of some two thousand dollars is all that is required, and it is probable that the work will be begun in the spring, as the proper places for the excavations have already been fixed upon. The "finds" will be divided periodically among the stockholders.

**DR. SCHLIEMANN.** — It is said that Dr. Schliemann carries on his researches largely at his own expense.

**BUILDING INTELLIGENCE.**

[Reported for the American Architect and Building News.]

**New York.**

**BUILDINGS PROJECTED** — WEEK ENDING FEB. 21. — These are six in number, 2 wood, and 4 brick dwellings. Total value, \$121,900. Situated on Concord, Fifth, Tenth, and Madison Avenues, and 38th and 128th Streets.

Owners.	Builders.	Architects.
P. P. Decker.....	.....	.....
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E. A. Rostwick.....	I. W. Hoenemann & Son	D. S. J. Jardine
Ed. Kilpatrick.....	Ed. Kilpatrick.....	D. S. J. Jardine.

\* First-class dwelling, Fifth Avenue; \$100,000.  
† First-class dwelling, Madison Avenue; \$11,900.

**A NEW AVENUE.** — It is proposed by the trustees of the East River Bridge, to open an avenue eighty feet in width, running along the south elevation of the viaduct from Chatham Street to the East River. By this plan, which provides for the opening and widening of Dover Street to the City Hall, it will be necessary, of course, to destroy a number of buildings. The proposed avenue will run through the Park House, the back part of French's Hotel, the buildings occupied by the *Sunday Times* and the Newton Copper Type Company, and through the Frankfort Hotel. Its opening will also damage Burr's hat factory, Nos. 67-75 Dover Street, and two large leather warehouses in the block between Cliff and Pearl Streets. It is proposed to change to this avenue the railroads now running down Beekman and Fulton Streets. It is also said that the Fulton Ferry Company will transfer their house on this side of the river to the east end of the avenue, which will be opposite their Brooklyn ferry house. At each end of the avenue it is proposed to construct a handsome plaza. The assessed value of the property to be taken by the avenue is \$600,000, and the addition of the plazas will increase this amount to \$800,000. It is suggested that one-third of the cost shall be borne by the city, one-third by the bridge company, and one-third by the property-holders benefited.

**Chicago.**

**NEW SEWERS.** — The locating of the new sewers which are to be built this year has been referred for recommendation to Health Commissioner DeWolf and Mr. Clarke, Chief Engineer of the Sewerage Department. The referees have as yet come to no conclusion about the exact location further than that the sewers should be built with an eye solely to the health of the city, and for the advancement of no particular property interests. The wards differ in a sanitary point of view, in some of them the death-rate being as low as 5 to every 1,000 persons (in a year), while some of the wards run as high as 62 to 1,000. It is proposed to have the largest number of sewers where the death-rate is highest.

**BUILDING-PERMIT.** — The Superintendent of Buildings issued the following permits for the erection of buildings for the week ending Feb. 13:—

Ran & Rehn, two-story and basement brick dry-house, 44½ x 100, at 417 and 419 Fifth Avenue. To the same, two-story and basement dwelling, 20 x 50, at 421 Fifth Avenue. Total cost, \$9,000.

C. Eberstein, two-story and basement dwelling, 25 x 56, at 233 Twenty-first Street. Cost, \$3,000.

A. F. Stevenson, two-story and basement stone front dwelling, 22 x 60, on North Clark, near Goethe Street. Cost, \$5,000.

S. W. Rawson, five dwellings, each two-story and basement stone front, 20 x 45, on Jackson, near Ashland Avenue.

To same, four dwellings, two-story and basement, 19 x 42, on Ashland Avenue, near Jackson Street. Total cost, \$31,000.

Mrs. C. S. Bradley, two-story and basement dwelling, 23 x 42, at 239 Vernon Avenue. Cost, \$5,000.

Mrs. R. Church, four-story and basement carriage repository, 40 x 155, on Wabash Avenue, near Monroe Street. Cost, \$25,000.

Seven permits were also granted for putting up sheds and other buildings in various parts of the city.

Several buildings for the carriage trade have been built or projected on Wabash Avenue. The one just finished is a five-story stone front store, 50 x 150 feet, on the east side south of Harrison Street. It is rented to an eastern house on a ten-years' lease.

H. M. Wilmarth has just begun a three-story building, 80 feet wide, on the same block farther south, and near to Hubbard Court. It is rented to Pennoyer & Co.

Another projected store is to be built south of Madison Street; to be four stories high, 40 x 180 feet, and occupied by Studebaker Bros. of South Bend, Ind.

**Milwaukee.**

Contracts for the following buildings have been made since the 1st of January, with this exception: contracts for enclosing the two first, designed by Mr. Mix, were made last fall to avoid delay, but the plans have since been completed, and the contracts for completing the buildings are now made.

Gothic Brick Dwelling, — owner, Wm. Plankinton; location, Grand Avenue; architect, E. T. Mix; value.....	\$25,000.00
Brick Casel Dwelling, — owner, A. J. Hale; location, Prospect Avenue; value.....	15,000.00
Frame Dwelling, — owner, Capt. E. Hibbard; location, Prospect Avenue; value.....	6,500.00
Gothic Cottage, — owner, H. M. Finch; location, corner Cass and Ogden; value.....	4,000.00
Cottage, — owner, V. Mandt; location, Fifteenth Street; value.....	4,000.00
Cottage, — owner, H. O. Earle; location, Wells Street; value.....	3,000.00
Double Brick Store with Ohio Sandstone Fronts, — owner, James Sidel; location, Milwaukee Street; architect, H. C. Koch; value.....	14,000.00
Brick Store, — owner, John Hinkel; location, West Water Street; value.....	12,500.00
Five Cottages, different locations on the West Side.....	20,000.00

**Boston.**

**BUILDINGS PROJECTED** — WEEK ENDING FEB. 21. — The Central Wharf and Wet Dock Corporation have obtained permits for seven brick buildings, for market purposes, to be erected near the corner of India Street, on the site of the Old Central Wharf. These buildings will occupy a part of the territory now taken by the wooden structures, and used as a "Farmer's Market," and is probably but the beginning of enterprises which will ere long entirely remodel this central business section, by substituting commodious brick buildings for wooden ones. Six of the buildings will be 45 feet front by 34 deep; and one 30 x 24. Mr. S. G. Goodwin is the builder.

**SOUTH BOSTON.** — The portion of the building destroyed by fire some time ago at Downer's Kerosene Oil Works is now being built at an expense of some \$20,000. The new hydraulic press has a capacity four times larger than the one formerly used. There are also six steam and four hand screw presses. Mr. Downer employs 115 hands.

**General Building Items.**

**PATERSON, N. J.** — The corner-stone of St. Joseph's new Catholic Church, at the corner

of Carroll and Market Streets, Paterson, was laid on Sunday afternoon (18th inst.), with appropriate ceremonies.

**WASHINGTON, D. C.** — No building enterprise covering an expense of more than \$1,200 was reported during January.

**IRON STEAMERS.** — There is renewed activity in the shipbuilding trade. John Roach has contracts to build five steamers, — one for Alexander's Havana line, two for the Savannah line, one for Mallory & Co.'s Texas line, and one for the Panama Railroad Company. They are all to be of iron, and to be launched this year.

**WOONSOCKET, R. I.** — It is proposed to build a new hall in this enterprising place.

**WATERBURY, CONN.** — Waterbury proposes to issue \$100,000 in bonds for sewage purposes.

**Bent Glass.**

The *Cincinnati Commercial* says: "In the front of Mr. Sinton's new building on Fourth Street, near Central Avenue, are bent glass show-windows, which, because of their novelty in this city, attract a good deal of attention. Bent glass plates are not in common use, except for inside show-cases, and now and then in the fronts of some of the costliest hack carriages. The process of bending the plates is rather a delicate one; only the best French glass will successfully submit to the operation. Edward Edgeley, in the employ of Crane, Breed, & Co., was employed to bend the glass for Mr. Sinton's building. A peculiar oven was constructed. In this was placed an iron plate or form, of the shape of the desired glass. On the iron was laid the glass, and the oven was carefully heated with charcoal to a high degree, until the flat plate of glass became pliable and drooped of its own weight over the iron form. Then the door of the oven was sealed up tight with fire-clay, to prevent any air-draught, and the oven left for three or four days, until the whole had slowly and thoroughly cooled. The effect of show-windows with the corners curved is rather pleasing.

**The Lumber Trade.**

The lumber trade remains quiet, and not a large amount coming on the market. Dealers are not anxious to buy, as an immediate rise is not anticipated. It is quite safe to assert, however, that most grades of lumber they will not be likely to purchase lower than at present during the year, with even ordinary demand; and any change in freight must be rather up than down. The mild weather must soon start building operations.

At the Chicago yards trade continues fair at uniformly steady prices. In the lumber regions immediately tributary to this market, work is progressing rapidly, notwithstanding the lack of snow in some sections, and there is no doubt but that a large crop of logs will be secured. At Menomonee and vicinity not a flake of snow is left, but the distant camps are busy skidding logs, and in those on the borders of the streams the logs are hauled by means of the "travois." Last week five camps, of the sixteen of the Ludington Company, accomplished on the "travois" three-quarters of the work of the entire sixteen. This method of hauling is practicable only for short distances; and, as stated above, in the remote camps the lumbermen are engaged in getting the logs on skids in order to be ready to take advantage of the first snowfall. It is understood that at Saginaw and in Western Wisconsin work is delayed by the absence of snow.

**Brass Plating.**

A new finish on mortise door-locks has been introduced by some of the large manufacturers. The comparatively high price of mortise locks with brass faces and bolts has induced experiments in plating which have proved successful. A substantial plating of brass is precipitated on to the iron, which has previously been finely polished, so that no one but an expert can distinguish the work from solid brass. For cheap country or tenement houses, this improvement will meet a long-felt want.

**Publishers' Department.**  
*The American Architect and Building News.*  
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*The American Architect and Building News.*

Its cordial indorsement by members of the profession.

BOSTON, FEB. 1, 1877.  
 We invite the careful attention of dealers in building-materials and building-appliances to the following letters, which come spontaneously from the professional gentlemen whose names are appended thereto.

(Copy.)  
 N. Y. CHAPTER OF THE AMERICAN INSTITUTE OF ARCHITECTS, 128 BROADWAY (COR. CEDAR STREET), NEW YORK, Jan. 16, 1877.

Messrs. James R. Osgood & Co.,  
 Gentlemen, — At the close of the first year of the *American Architect and Building News* we desire to express our satisfaction at its establishment, and at the way in which it has been conducted. The excellent literary character it has maintained is calculated to commend it to persons of intelligence and culture outside the profession; and by thus interesting the general public in professional matters at the same time that it presents them from a strictly professional point of view, it is doing both the profession and the public the greatest service.

It would be a great gratification to us if it could also be made, as it deserves to be, the customary and recognized channel of communication, through its correspondence and its advertising columns, between architects, the makers of building-appliances, and the public. This would be a personal convenience indeed to ourselves, as the pages of the journal are more handy and easy of reference than cards and circulars.

You are at liberty to make any use of this communication that you may judge best adapted to forward the interests of the journal, — interests which are in our judgment also those of the profession itself. Wishing it every prosperity, we are

- Very respectfully yours,  
 R. M. HUNT, CHARLES F. MCKIM,  
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 A. J. BLOOR.

We the undersigned, members of the Boston Chapter of the American Institute of Architects, cordially subscribe to the foregoing indorsement of the excellence of the *American Architect and Building News*.

- E. C. CABOT, N. J. BRADLEE,  
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(Copy.)  
 N. Y. CHAPTER OF THE AMERICAN INSTITUTE OF ARCHITECTS, 128 BROADWAY (COR. CEDAR STREET), NEW YORK, Jan. 18, 1877.

PRESIDENT MECHANICS' AND TRADERS' EXCHANGE.  
 Dear Sir, — At a meeting of this Chapter held on the 16th inst. action was taken on the subject of the weekly journal entitled the *American Architect and Building News*; and I was directed to communicate with you, and to suggest that the building-interests generally would be likely to be advanced if that serial should be made, as it deserves to be, the customary and recognized channel of communication, through its advertising columns, between the manufacturers and vendors of building-appliances and the public.

Both architects and the general public are apt to throw cards and circulars into the waste-paper basket; but if their contents were advertised in the above-mentioned journal they would be in permanent shape, handy and easy of reference.

The address of the *American Architect and Building News* is Cathedral Building, Winthrop Square, Boston, Mass.

Hoping that you will take some pains to interest the members of your organization in the subject, I am  
 Yours respectfully,  
 A. J. BLOOR, Secretary.

**Letters from other sources.**

From the number of letters received since Jan. 1, renewing subscriptions to the ARCHITECT, we take the following extracts:—

TOLEDO, O., Jan. 10, 1877.  
 JAMES R. OSGOOD & Co., Boston.  
 Gentlemen, — We enclose you postal order for \$6, for our subscription of the *Architect and Building News*. We beg to congratulate you on the success of the paper; and to give you an idea of our opinion of it, we would say that we would not be without it in our office, if it cost \$25 instead of \$6 a year.

A Massachusetts subscriber: "I got more useful hints and valuable building information out of the fifty-three numbers of last year, than I ever did from any six dollars I have spent for similar purposes during the past decade."

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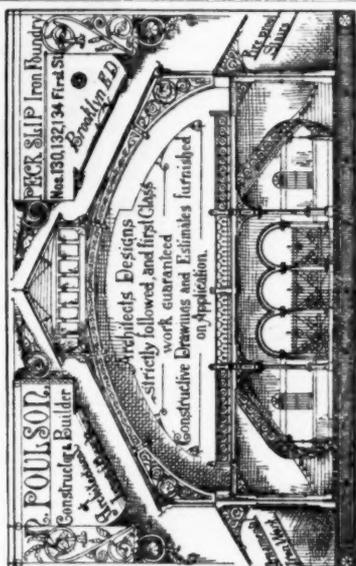
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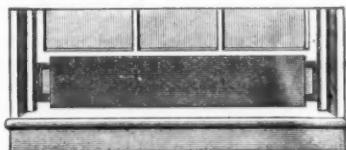


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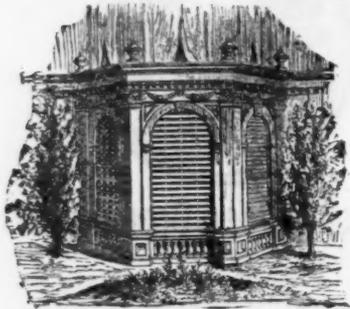
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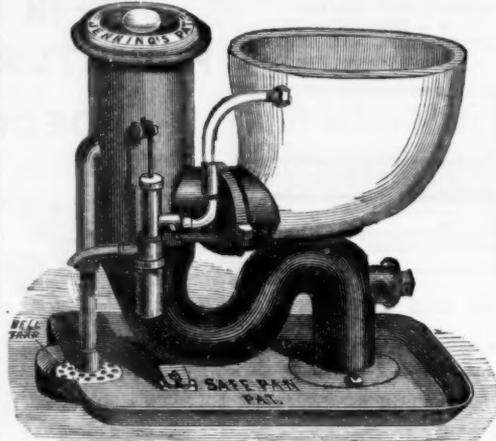
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1877  
CITY OF WASHINGTON

# AMERICAN ARCHITECT

## AND BUILDING NEWS

A WEEKLY JOURNAL OF CONSTRUCTIVE AND DECORATIVE ART.

VOL. II. No. 62.]

SATURDAY, MARCH 3, 1877.

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desired, to explain our methods, and to present for inspec-  
tion construction plans and estimates for any specific work.

**PROPOSALS.**

**TO BOSTON LUMBER DEALERS.**

**CITY OF BOSTON,**  
CITY HALL, Feb. 27, 1877.  
Sealed proposals will be received at the Office of the Clerk  
of Committees, City Hall, Boston, until March 17, 1877, at  
12 o'clock, noon, for furnishing and delivering all the 2, 3,  
and 4-inch spruce plank required for repanking and re-  
pairing the bridges in Boston, which are in charge of the  
Committee on Bridges. The planks are to be No. 1 and No.  
2 Boston survey, and of such widths and lengths as may be  
ordered, and are to be delivered in such quantities, at such  
times, and at such bridges, as may be required or directed  
by the committee or its duly authorized agent or agents.  
Bids must state the price per M ft. K. M., delivered as  
required; and bids will be required of the party or parties  
to whom the contract may be awarded, for the faithful  
performance of their agreement. Any further information  
can be obtained at the Office of the City Engineer, City  
Hall.  
The right to reject any and all bids is hereby reserved.  
Proposals must be marked "Proposals for Lumber," ad-  
dressed to  
**FRANCIS THOMPSON,**  
Chairman of Committee on Bridges.

**IRON WORK.**

**OFFICE OF THE SUPERVISING ARCHITECT,**  
TREASURY DEPARTMENT,  
WASHINGTON, D. C., Feb. 14, 1877.  
Sealed proposals will be received at this office until 12  
M., on the seventh day of March, 1877, for furnishing, deliv-  
ering, and putting in place the Wrought and Cast Iron  
Work, consisting of Columns, Pilasters, &c., in the First  
Story, and Rolled Iron Beams, in (34 tier) Second Floor of  
the U. S. Custom-House and Post-Office at Cincinnati, O.;  
all as exhibited by the drawings, described in the specifica-  
tion, and called for in the schedule.  
Copies of drawings, specification, and schedule, form of  
proposal, and any additional information, may be had on  
application at this office, or at the office of the Superin-  
tendent of the building, Samuel H. Sanford, Esq.,  
JAMES G. HILL, Supervising Architect.

**CULVERTS.**—Sealed proposals will be re-  
ceived at the office of the Board of Public Works until 12  
o'clock, noon, of Monday, March 12, A. D. 1877, for grad-  
ing, macadamizing the roadway, and constructing the  
necessary culverts or drains, according to specifications on  
file in the office of the Board of Public Works, Morris  
Street, from Gilbert Avenue to Grand Street.  
The Board reserves the right of rejecting any or all of the  
bids.  
Bidders will indorse their names upon the outside of the  
envelopes containing their bids.  
Each bid to be accompanied by two disinterested  
sureties.  
Bidders to use the printed forms, as no other will be  
received.  
By order of the Board.  
**JOHN D. BANKS, Clerk.**

**PROPOSALS FOR DREDGING AND  
DIKE.**

**UNITED STATES ENGINEER OFFICE,**  
CORNER OF PENNSYLVANIA AVE AND 15TH ST.,  
WASHINGTON, D.C., Feb. 3, 1877.  
Sealed proposals for Dredging and the construction of a  
Dike in Rappahannock River, Va., will be received at this  
office until noon of Wednesday, March 7, 1877, and opened  
immediately thereafter.  
Specifications and blank forms for proposals can be ob-  
tained on application to this office.  
S. T. ABERT, U. S. Civil Engineer.

**GRADING, CULVERTS, ETC.**—Sealed pro-  
posals will be received at the office of the Board of  
Public Works, Cincinnati, O., until 12 o'clock, noon, of  
Monday, March 12, A. D. 1877, for gradin, macadamizing  
the roadway, and constructing the necessary culverts or drains,  
according to specifications on file in the office of the Board  
of Public Works, Morris Street, from Gilbert Avenue to  
Grand Street. Bidders to use the printed forms, as no other  
will be received. By order of the Board.  
**JOHN E. BELL, President.**

**GRADING.**—Sealed proposals will be re-  
ceived at the office of the Board of Public Works, Cincin-  
nati, O., until 12 o'clock, noon, of Monday, Mar. 12, A. D. 1877,  
for gradin, setting flat rock curbs, flagging gutters, macad-  
amizing the roadway, and constructing the necessary cul-  
verts or drains, according to specifications on file in the  
office of the Board of Public Works, Main Street (Forbus-  
ville), from Van Hart Street to the south branch of the Lick  
Run road. Bidders to use the printed forms, as no others  
will be received. By order of the Board.  
**JOHN E. BELL, President.**

**COURT HOUSE.**—The Committee on erec-  
tion of a new Court House at Georgetown, Ky., invite  
and will receive sealed proposals for the erection of the  
same until 12 o'clock, M., the twelfth day of March, 1877.  
The plans and specifications may be seen at the Scott Co.  
Court Clerk's Office in Georgetown, Ky., and at the office of  
Thos. Boyd, architect, in Pittsburg, Penn., from and after the  
twenty-second day of February, 1877. The Committee re-  
serve to themselves the right to reject any and all bids. All  
correspondence must be addressed to  
**J. HENRY WOLFE, or GEORGE V. PAYNE,**  
Georgetown, Ky.

**PROPOSALS.**

**IRON BRIDGE.**

**OFFICE OF AUDITOR OF CUYAHOGA COUNTY,**  
CLEVELAND, O., Feb. 12, 1877.  
Sealed proposals will be received at the office of the  
Auditor of Cuyahoga County, O., until 12 o'clock, M., March  
13, 1877, for materials and labor necessary for constructing  
and erecting an iron superstructure for a bridge across  
Rocky River, at the Bridge-street crossing in Berea  
Village.  
The bridge will be about ninety-one feet long (over all),  
roadway eighteen feet wide in the clear, and two sidewalks,  
each six feet wide in the clear. There will be iron floor  
beams 32½ feet long.  
Plans and specifications may be seen, and blank proposals  
can be obtained, at the office of the Auditor of Cuyahoga  
County, after Feb. 28, 1877.  
The County also invites proposals on any other plan, at  
the option of the bidders, which propo- must be accom-  
panied with full and clear plans, specifications, and strain  
sheet for the bridge to carry in addition to its own weight,  
a variable moving load of two thousand five hundred  
pounds per lineal foot (factor 5), and must state whether  
there is any patent right on the proposed plan, or on any,  
and if any, what, portion thereof.  
No proposals will be entertained unless made on the  
blanks furnished by the Auditor of Cuyahoga County.  
Each proposal must contain the full name of the party or  
parties making the same, and must be accompanied with a  
bond of \$500, with good and sufficient surety that if the  
proposal is accepted, a contract will be entered into.  
The County reserves the right to accept any or reject all  
bids.  
By order of the Commissioners of Cuyahoga County,  
L. D. BENEDETT, County Auditor.

**GRADING AND PAVING.**—Sealed propo-

sals will be received at the office of the Board of Improv-  
ments, Cleveland, O., until 12 M., March 5, 1877, for grad-  
ing and paving with Medina (N.Y.) sandstone, Case Avenue  
between Euclid Avenue and Garden Street. Bids will be  
received for materials and labor separate and combined.  
Plans and specifications may be seen and blank propo-  
sals can be obtained at the office of the city civil engineer, after  
February 26, 1877, and no proposal will be entertained unless  
made on the blanks furnished by the engineer.  
B. F. MORSE.

**COMPETITIONS.**

**TO IRON-WORKERS.**

The Boston Society of Architects offers a prize of fifty  
dollars for an ornamental strap-hinge of wrought iron for an  
outside door. Hinges offered in competition for the prize  
are to be delivered at the Architectural Rooms of the Mass-  
achusetts Institute of Technology, in Boylston Street, Boston,  
addressed to the Boston Society of Architects, with the  
name of the workman who executed them, before the first  
Friday in April, for examination at the meeting of the Soci-  
ety on that day. After adjudication, the approved examples  
will be on exhibition at the Boston Museum of Fine Arts.  
Blacksmiths and workers in wrought iron throughout New  
England are invited to compete.

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BOSTON.

PRICES TO CONTRACTORS AND BUILDERS.

In some classes of building-materials there are signs of a little activity in the Boston market, though of course it is yet too early to record any notable demand.

FIRE BRICK. The demand has increased lately, and one, at least, of the leading houses has been quite busy in filling orders.

BUILDING BRICKS. The demand is fair, and there is not much if any change, generally speaking, in the quotations, which are as follows: -

LUMBER. Messrs. George H. Peters & Co.'s Circular for March 1, says: -

"A continued inactivity prevails in the lumber market, and with little inducement to ship, the arrivals have been light. During the last month the mild and pleasant weather has relieved the wharves above bridges of ice, and they are now quite as free to navigation as in summer, except in the extreme suburbs.

Michigan pine - Nos. 1 and 2. . . . . \$ 46 00 @ 48 00 No. 3. . . . . 38 00 @ 42 00 Saps. . . . . 34 00 @ 36 00

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CEMENT. The demand is light for all kinds at the following rates: -

Rosendale. . . . . \$ 1 05 @ \$ 1 70 Portland. . . . . 5 00 @ 5 50

BUILDERS' HARDWARE. During the past week the nail market has been somewhat excited with some disagreements among manufacturers that may result in lower prices.

Nails. 10d. . . . . \$ 3 00 10 1/2d. . . . . 3 75 8d. . . . . 4 50

Axle Pulleys - Steel. 2 in., Pennsylvania make. . . . . \$ 1 20 2 in., Boston make. . . . . 2 50

Sash Weights. Sash Line. Best hemp. . . . . 30c. Best linen. . . . . 70c.

Door Butts. Size - 4 1/2 x 4 1/2 5 x 5

Japanned Acorn. . . . . \$ 4 00 \$ 5 00 \$ doz. pairs. Plain Bronzed Iron. . . . . 80 92 \$ pair.

Mortise Locks - Brass face and bolt - easy spring. 3 1/2 to 4 1/2 in. . . . . \$ 8 75 to \$ 16 00 \$ dozen.

Door Knobs. Solid glass. . . . . \$ 50 Silvered glass. . . . . 1 10

Sash Fast. Plain brass, self-locking. . . . . \$ 1 75 to \$ 2 50

Screws. Round head, nickel plated } \$ 25 \$ 2 90 for window heads, } 1 1/4 1 1/2 in.

Store Door Handles - with mortise latch. Laacquered brass. . . . . \$ 3 50 Bronze metal. . . . . 7 00

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PRICES TO CONTRACTORS AND BUILDERS.

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LUMBER. The country demand continues fair. Dry joists and scantling are sold generally at \$10.00, and green stuff, which has been quoted at \$9.50, is about out of the market. Following are the quotations: -

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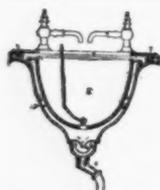
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- 2d. No overflow or leakage of any kind will occur.
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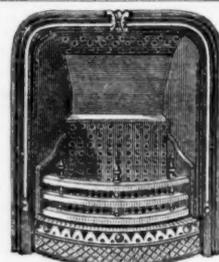
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THE CONGRESSIONAL LIBRARY.—On the 27th ult. a bill was reported in the United States Senate, appropriating a hundred and fifty thousand dollars for extending the eastern front of the Capitol for the purpose of accommodating the Congressional Library. The bill was not favorably received, and its consideration was postponed.

UNITED STATES BUILDING AT AUSTIN, TEXAS.—Congress has passed a bill providing for the erection of a building at Austin, Texas, for the use of the Post-Office, Internal Revenue Office, and United States Courts.

THE NEW JERSEY STATE PRISON.—The New Jersey Legislature is considering a bill which is to appropriate \$100,000 towards the whole cost of certain proposed additions to the State Prison.

INDIA-RUBBER RINGS FOR TIGHTENING THE JOINTS OF GAS-PIPES.—Viehoff has described very favorable results from using gum joints for gas-pipes. On taking up pipes that had lain in tolerably damp earth for eight years, the gum rings were found to be perfectly elastic, without any indications of decomposition or softening, and they adhered so firmly to the iron that it required considerable time for four men to work the pipes apart, and in some places the gum itself separated instead of leaving the iron. The intimate combination of the gum and iron is ascribed to the formation of sulphide of iron.

A SCALE TO BE COMMENDED.—We believe there are few things that would do more to cultivate in our architects, even among the best of them, a finer sense of proportion in a building, to say nothing of the propriety of the detail upon it, than the introduction of the custom followed in France and Italy, and possibly elsewhere, of studying one bay of a façade at one-tenth the size of execution.

WAITING FOR DETAILS.—At the risk of furnishing contractors with a formidable weapon of defence, we narrate the following anecdote of an incident that occurred some years ago in England. It happened that there was a very wide-spread strike among the masons, which affected with peculiar severity a certain contractor who was at that time building a large façade. The proprietors of the estate, being trustees for others, were obliged to insist that the work should be carried on and finished at the time fixed in the contract. The contractor, being unable to obtain workmen, replied that he was only waiting for details. The architect, who had furnished all drawings up to a point that could not possibly be reached for some time to come, was much astonished at the demand, and asked what details he was waiting for. The contractor replied that he wanted all, every drawing that would be needed for the completion of the building, and that until these were furnished he should feel under no obligation to begin work again. On obtaining legal opinion in the matter, it was found that the contractor had the law on his side.

BUILDING INTELLIGENCE.

Summary of the Week.—Several Fine Structures in New York, Boston, and Cincinnati.—The Buildings Projected and in Progress in Chicago, Etc., Etc.

[Reported for the American Architect and Building News.]

WITH the settlement of political troubles, there will undoubtedly be a revival of the building interests of the country. The manufacturing interests are the first to start up, and we already have evidence of a very much improved feeling among some of these in different sections. This is sure to be followed by activity among the building trades; for owners of unoccupied real estate will feel the impulse, and will desire to get some return for their property which has so long lain idle.

The lumber markets of the different sections of the country are quiet, but dealers are hopeful of a brisk demand in the near future. In Chicago, although there is a large overplus stock, it is conjectured it will be disposed of before July. In New York there has been some demand during the past week or two, and trade in both hard and soft woods is looking up. In St. Louis the pleasant weather has improved business, and there is a less disposition to shade prices than has existed for the past few months.

The following are the building reports of the week:—

New York—City and State.

THE NEW CAPITOL AT ALBANY.—At a hearing before the joint committees of the New York Legislature, on the 13th inst., upon the question of completing the new State Capitol, the estimates as to the cost of finishing the building under the new and old plans were submitted by the architects. The estimated cost, under the new plan, without the tower, was about \$3,600,000; and that under the old plan, including the tower, is nearly three quarters of a million less. The hearing is now closed; but it is the intention of the committees, before agreeing upon either plan and making a report, to counsel with leading architects of the State upon the two plans.

ELEGANT RESIDENCE.—A residence costing \$100,000 (announced in last week's Architect), is to be erected by J. A. Bostwick, on the north-east corner of Fifth Avenue and Sixty-first Street. It is to have a brown-stone front, twenty-nine by ninety-five feet, with large bay-windows on Sixty-first Street. The plan was drawn by D. & J. Jardine, architects, and calls for the most substantial and elegant workmanship.

NEW TENEMENT HOUSES.—Seven five-story tenements are to be erected on Fifty-sixth Street, near Sixth Avenue, and one four-story tenement on Cherry Street, near Scammel. Eight five-story brick tenements are to be built on Goerck Street, near Delancy, and one three-story tenement on Thirty-eighth Street. The plans for these have been submitted during the past week. These alone will furnish accommodations for about three hundred and fifty families, and with a number of other similar buildings will cause very many of the small houses to be vacated; persons of small means preferring to live in a respectable tenement house, with the modern improvements, at a low rent, than to occupy a small house of the old style, for which a large rent is demanded.

SUBSTANTIAL EDIFICES.—Four stores, five stories in height, are now in process of erection on the Lorillard estate, on Broadway, between

Howard and Grand Streets. They promise to be very substantial, as the materials used are of the strongest and most durable nature. The solid foundation, the heavy timbers in joist and flooring, the stanch pillars, are all in keeping with the well-built party-walls; and the massive iron fronting, with braces and girders, will stand the severest tests. The large store in the middle will cost, when finished, for work and material alone, from \$45,000 to \$50,000, while the other three will cost \$40,000 each.

BUILDINGS PROJECTED.—WEEK ENDING FEB. 28, 1877.—These are sixty-five in number, 31 brick and stone, 23 brick, 11 wood. French flats, dwellings, tenements, stores, stables, factories, and small offices. Situated on Prospect, 3d and 4th Avenues; Ludlow, Prince, West, Front, 6th, 13th, 17th, 29th, 54th, 55th, 56th, 57th, 59th, 63d, 66th, 82d, 86th, 103d, 119th, 123d, 128th, 168th Streets, and Albany Post Road.

Table with 3 columns: Owners, Architects, Builders. Lists names of individuals and firms associated with various building projects.

\* French flats, stone and brick, on 59th Street, \$70,000.
† 10 first-class dwellings, stone and brick, on 57th Street, \$225,000 (25,000 each); 2 first-class dwellings, stone and brick, on 56th Street, \$46,000 (\$23,000 each).
‡ 10 first-class dwellings, stone and brick, on 103d Street, \$45,000 (\$4,500 each).
§ 7 first-class dwellings, stone and brick, on 60th Street, \$98,000 (\$14,000 each).

Cincinnati.

NEW BUILDINGS ON THIRD STREET.—Jacob Seasingood has contracted for the erection of three stone-front, six-story business houses, on the south side of Third Street, opposite the Burnet House. They are to be finished by the 1st of June. The contracts have been made with the following firms:—

Ironwork, Mike Clements; stonework, M. Finnegan & Son; carpenter work and superintendence, F. W. Handy; brickwork, J. M. Blair & Son. One of the buildings is to be single, the other two double.

A BIG DRY-GOODS STORE.—Cincinnati is to have its big dry-goods store, through the enterprise of Mr. John Shillito, and the site selected is on the corner of Seventh and Race Streets. The frontages will be 177 feet on Race, 126 feet on Seventh, and 250 feet on George Street. The cost of the site foots up nearly \$175,000. The architect, according to the Commercial, will probably be Mr. McLaughlin. The building will be a plain massive one of brick, six stories in height, and will have a flooring of six acres. On the first, or main retail floor, there will be seven aisles. As far as practicable, iron will be used in the construction. The interior finish will be a plain rounding off, with as little moulding as possible.

Chicago.

BUILDINGS IN PROGRESS.—The large wholesale store now being erected on the site formerly occupied by the Second Presbyterian Church on the north-east corner of Wabash Avenue and Washington Street, has now reached the second

story. The owner is John Taylor of New York, Architects, Palmer & Spinney. Estimated cost, \$75,000. The ground covered is 97 feet on Wabash Avenue and 163 feet on Washington Street. The building will be five stories high with stone fronts. It was commenced in January.

BUILDINGS PROJECTED.—The records of the Department of Buildings for the week ending Feb. 24 show a total of only 44 permits. The greater number are for alterations, one-story buildings, sheds, &c. Total estimated cost, \$40,000. This is the smallest business reported in many years. The following are among the permits granted:—

- Rev. John Waldron, two-story and basement brick dwelling, 25 x 54, Butterfield St.
Henry Monheit, two-story and basement brick dwelling, 20 x 44, 204 N. Green Street.
C. M. Jaques, two two-story and basement brick (with stone front) dwellings, 20 1/2 x 43 each, Warren Avenue, near Leavitt Street.
A. Schermann, two-story store and dwelling, 22 x 26, 48 Bradley Street.
John Kaufmann, two-story and attic brick dwelling, 20 x 36, 17 Starr Street.
Philip Hellingner, 3-story basement and attic brick store and dwelling, 23 x 44, 600 Wells St.
John Burke, three-story and basement stone front, store and dwelling, 92 Archer Avenue.
The total estimated cost of buildings for which permits have been granted since the first of the month is \$235,750.

OTHER PROJECTS IN HAND.—The important projects in hand are as follows:—

A five-story and basement wholesale store on the south-west corner of Monroe and Franklin Streets, 50 feet on Monroe and 190 feet on Franklin. The owner is George O. Hovey of Boston; architect, John Addison. Estimated cost, \$60,000. This will be one of the finest wholesale stores in the city. Stone fronts.

A four-story and basement building on the south-east corner of State and Van Buren Sts., 77 1/2 feet on State Street, and 145 feet on Van Buren Street, with stone front on State Street. The owner is James Campbell; architect, W. H. Drake. The contracts have been let, and the building will cost \$38,000. This building will be a prominent feature. It is designed to contain seven retail stores on the ground floor, and apartments for small families above.

Permits for both of the last-mentioned buildings will be taken out during the coming week, and work commenced immediately.

Boston.

NEW HERALD BUILDING.—The proprietors of the Boston Herald are to have a new six-story building erected this spring, at Nos. 251 and 255 Washington Street, two doors south of their present counting-room, on a lot of land thirty-two by a hundred and seventy-five feet. An ell will project to Williams Court, near where the press-rooms of the paper now are. The front will be of Concord granite, trimmed with polished red granite pillars. The lower floor will be occupied by the Herald counting-room, and the five stories above on Washington Street will be let for offices. The press and editorial rooms will be as now in the rear and ell. The cost will be about a hundred thousand dollars, and the work, which will not interfere with the business of the paper, will begin next April, when the leases of the present tenants expire. Mr. Carl Fehmer is the architect, and Mr. John W. Leighton the builder.

THE NEW SCHOOLHOUSES.—The East Boston Trade Association has petitioned for a new high schoolhouse in that section of the city.

It is proposed the present year to build a primary schoolhouse of twelve rooms in the Sherwin district, at an estimated cost of fifty thousand dollars; and a primary schoolhouse of ten rooms in the Brighton district, at a cost of

forty thousand dollars ; also a primary building at City Point, at a cost of thirty thousand dollars.

There are two plans of obtaining money with which to erect new High and Latin School buildings. One is, as heretofore mentioned, to raise a hundred thousand dollars by taxation, and begin work upon the High School building, with the purpose of continuing the work next year. The other plan is to ask for a loan sufficient to build both structures, but not to do the whole work in one year. Very likely the Bedford Street, South Street, and Harrison Avenue school property will be sold to pay the cost of the new buildings, but the present is not a favorable time to make the sales, were it decided to sell; and the plan of asking for a loan would enable the city to build without taxation except for interest, and to carry the school property mentioned until a more favorable market was offered. The plan of building by loan is said to be most favored.

BUILDINGS PROJECTED, REPAIRS, ETC. — The above items comprise all the important building news to report in Boston this week, with the exception of one four-story tenement brick house to be erected by Wm. & W. H. Bunton, rear of No. 8 Nassau Street.

Up to March 1, the applications for brick and wooden buildings and repairs are in excess of the corresponding period of 1876. The whole number foots up nineteen brick buildings, fifty wooden buildings, and two hundred permits for repairs.

Hartford, Conn.

NEW BLOCK. — The block recently burned on Ford Street, owned by Joseph Merriman, Esq., is to be replaced as soon as possible by a more spacious structure, plans of which have been drawn by Mr. J. C. Mead, architect. The new block is to be of brick, and have a frontage of seventy feet. The north half will be one hundred and twelve feet deep, and the south half seventy-five feet. It will be five stories high, above the basement. The elevator will be in front, in the centre. It is expected that the structure will be completed by May 1. The estimated cost is \$20,000.

Charleston, S.C.

NEW BLOCK. — Timothy Hurley, late County Treasurer, has just built a block of stores on Meeting Street.

A NEW CHURCH. — The congregation of the Circular Church intend to rebuild their church edifice after the design published in the American Architect for Aug. 12, 1876.

General Building Items.

STEVENSVILLE, O. — The wool-growers of Ohio, Indiana, Kentucky, West Virginia, and Pennsylvania lately held a meeting at Cincinnati, and decided to erect a capacious storehouse at Steubenville, O., for the purpose of storing the product and assorting it, before placing it upon the market. They are Grangers, and will dispose of their stock directly to manufacturers.

LOWELL, MASS. — The proposition to erect a new cotton-mill to run about 20,000 spindles will probably be carried out. At a recent meeting it was voted to form a company with a stock of 4,000 shares, and about \$400,000 capital. The following named gentlemen were chosen as corporators: John F. Kimball, George Richardson, Josiah Gates, W. H. Parker, O. E. Cushing, Jacob Rogers, W. H. Anderson, and Thomas Nesmith.

FALL RIVER, MASS. — Mr. M. J. Brown is now completing a dwelling-house for George H. Hawes, Esq., and is also engaged in plans for a church in the interior of Connecticut. Mr. Walter J. Paine is making plans for a block of brick houses, 75 x 131 feet; also several wooden buildings. This is all the building news to report from this section.

CLASSIFIED ADVERTISEMENTS.

Table listing classified advertisements with categories like ARCHITECTS, ARCHITECTS' AND ENGINEERS' STATIONERY, ARCHITECTURAL BOOKS, etc., and corresponding page numbers.

Table listing classified advertisements with categories like CABINET FURNITURE AND UPHOLSTERY, CABINET ORGANS, CEMENT, CHURCH FURNITURE, CONTRACTORS AND BUILDERS, etc., and corresponding page numbers.

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BOSTON, FEB. 1, 1877.

We invite the careful attention of dealers in building-materials and building-appliances to the following letters, which come spontaneously from the professional gentlemen whose names are appended thereto.

(Copy.)

N. Y. CHAPTER OF THE AMERICAN INSTITUTE OF ARCHITECTS, 128 BROADWAY (COR. CEDAR STREET), NEW YORK, JAN. 16, 1877.

Messrs. James R. Osgood & Co. Gentlemen, — At the close of the first year of the American Architect and Building News we desire to express our satisfaction at its establishment, and at the way in which it has been conducted. The excellent literary character it has maintained is calculated to commend it to persons of intelligence and culture outside the profession; and by thus interesting the general public in professional matters at the same time that it presents them from a strictly professional point of view, it is doing both the profession and the public the greatest service.

It would be a great gratification to us if it could also be made, as it deserves to be, the customary and recognized channel of communication, through its correspondence and its advertising columns, between architects, the makers of building-appliances, and the public. This would be a personal convenience indeed to ourselves, as the pages of the journal are more handy and easy of reference than cards and circulars.

You are at liberty to make any use of this communication that you may judge best adapted to forward the interests of the journal, — interests which are in our judgment also those of the profession itself. Wishing it every prosperity, we are

Very respectfully yours,

- R. M. HUNT, HENRY DUDLEY, CHARLES C. HAIGHT, EDWARD H. KENDALL, HENRY FERNBACH, WM. A. POTTER, EMLEN T. LITTELL, R. M. UPJOHN, CARL PFEIFFER, GEO. E. HARNEY, NELSON L. DERBY, A. J. BLOOM,

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We the undersigned, members of the Boston Chapter of the American Institute of Architects, cordially subscribe to the foregoing indorsement of the excellence of the American Architect and Building News.

- E. C. CABOT, JOHN H. STURGIS, C. A. CUMMINGS, W. T. SEARS, H. W. HARTWELL, JOS. E. BILLINGS, F. H. MOORE, GEO. R. SHAW, CHARLES BRIGHAM, A. C. MARTIN, JOHN A. FOX, WM. R. WARE, N. J. BRADLEE, HENRY VAN BRUNT, R. G. SHAW, F. W. CHANDLER, ALBERT G. SWASEY, ROBT. S. PEABODY, JOHN G. STEARNS, LOUIS WEISSBEIN, ALEX. R. ESTY, GEORGE S. NELL, GEORGE A. CLOUGH,

From the number of letters received since Jan. 1, renewing subscriptions to the ARCHITECT, we take the following extracts: —

A Massachusetts subscriber: "I got more useful hints and valuable building information out of the fifty-three numbers of last year, than I ever did from any six dollars I have spent for similar purposes during the past decade."

A dealer in building-materials: "I have found your paper a valuable advertising medium, tracing several large sales trebled I should consider it a cheap medium."



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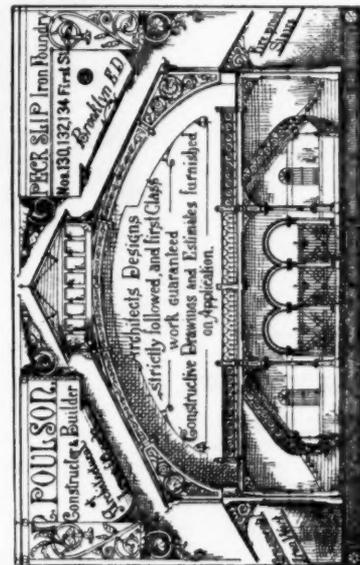


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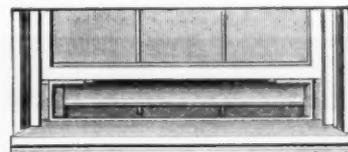
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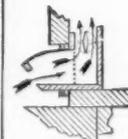


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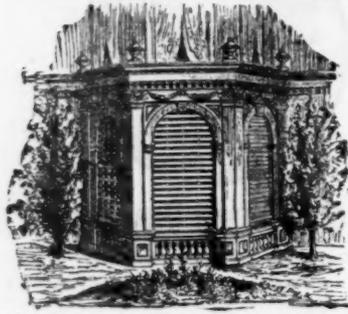


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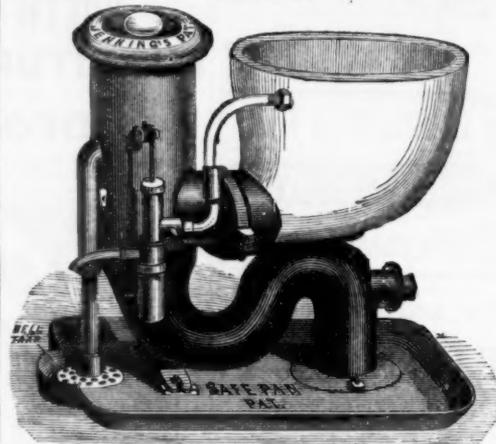
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**ERNEST GAGNON, Secretary.**

**DORMITORY BUILDING.**—Sealed proposals for the erection and completion of a Dormitory Building, for the State Agricultural College of Michigan, will be received by the State Agricultural Secretary at the Board of Agriculture, until Tuesday, March 20, 1877, at 6 o'clock, P.M. Plans, specifications, &c., may be seen on and after the third day of March, at the office of Watkins & Arnold, architects, Lansing, Mich. Proposals to be marked, "For the erection of a Dormitory Building for the State Agricultural College," and addressed to R. G. Baird, Secretary of the State Board of Agriculture, Lansing, Mich. The Board expressly reserves the right to reject any or all proposals made for the work.  
**R. G. BAIRD, Secretary State Board of Agriculture.**

**SCHOOL BUILDING.**—Sealed proposals will be received by the Board of Education, at the Clerk's Office, Cleveland, O., until 12 o'clock, M., Monday, March 19, 1877, for the construction of a High School Building to be erected on Wilson Avenue, between Garden and Cedar Streets, in the city of Cleveland. Plans, specifications, and detailed drawings may be seen, and blank proposals can be obtained, on and after the fifth day of March, 1877, at the office of Levi T. Schofield, architect, No. 22 Case Block, Cleveland, O. Bids must be sealed and indorsed thereon, "Committee on Public Schools, Board of Education, Proposal High School Building."  
**F. M. SANDERSON, G. L. CHILDS, A. K. SPENCER, Building Committee.**

**ROOF TRUSSES, ETC.**—Sealed proposals will be received at the Office of the Board of Capitol Commissioners, Des Moines, Ia., until 12 o'clock, noon, of Thursday, March 15, 1877, for furnishing the R. of Trusses, Ceiling Beams, Purlins, and such other iron work as may be necessary to complete the roof of the Capitol building. The drawings and specifications for said iron work can be examined at the office of the architect at Des Moines, Ia., after Feb. 25. Printed specifications and all necessary blanks for making proposals will be furnished on application to Ed. Wright, at the Office of the Commissioners, either by letter or otherwise.  
**J. G. NEWBOLD, President.**

**PORTLAND CEMENT.**—Proposals for furnishing 5,000 barrels of fresh-burnt "Portland" Cement will be received by the Department of Docks, 117 and 119 Duane Street, until March 15, 1877, at 12 o'clock, M. For full particulars see "The City Record," for sale at No. 2 City Hall.

**PROPOSALS FOR BUILDING A DAM ON THE GREAT KANAWHA RIVER.**  
UNITED STATES ENGINEER OFFICE, BALTIMORE, MD., March 1, 1877.

Proposals for building a dam on the Great Kanawha River, W. Va., near Cabin Creek, will be received until noon on April 5, 1877, and opened immediately thereafter. Blank forms, specifications, and any desired information can be had on application at this office.  
**WM. P. CRAIGHILL, Major of Engineers.**

**BRIDGE.**—Sealed proposals will be received at the Office of the Auditor of Cayahoga Co., Cleveland, O., until 12 o'clock, M., March 13, 1877, for materials and labor necessary for constructing and erecting an iron superstructure for a bridge across Rocky River at the Bridge Street crossing in Berea Village. The bridge will be about 91 feet long (over all), roadway 18 feet wide in the clear, and two sidewalks, each six feet wide in the clear. There will be iron floor beams 32½ feet long. The County also invites proposals on any other plan at the option of the bidders; which proposal must be accompanied with full and clear plans, specifications, and strain sheet for the bridge to carry, in addition to its own weight, a variable load of 2,500 pounds per lineal foot (factor 5), and must state whether there is any patent right on the proposed plan, or on any, and if any, what portion thereof. Plans and specifications may be seen, and blank proposals can be obtained, at the Office of the Auditor of Cayahoga County, after Feb. 25, 1877. By order of the Commissioners of Cayahoga County.  
**L. D. BENEDICT, County Auditor.**

**PROPOSALS.**

**CULVERTS.**—Sealed proposals will be received at the office of the Board of Public Works until 12 o'clock, noon, of Monday, March 12, A.D. 1877, for grading, macadamizing the roadway, and constructing the necessary culverts or drains, according to specifications on file in the office of the Board of Public Works, Morris Street, from Gilbert Avenue to Grand Street, of the Society. The Board reserves the right of rejecting any or all of the bids.

Bidders will indorse their names upon the outside of the envelopes containing their bids.

Each bid to be accompanied by two disinterested sureties.

Bidders to use the printed forms, as no other will be received.

By order of the Board. **JOHN D. BAKES, Clerk.** **JOHN E. BELL, President.**

**PROPOSALS FOR IMPROVEMENT OF EASTCHESTER CREEK, NEW YORK.**

**ARMY BUILDING, HOUSTON AND GREENE STREETS, NEW YORK, Feb. 29, 1877.**  
Sealed proposals for dredging, rock-cutting, and dyking in Eastchester Creek, near Lockwood's, will be received until noon of March 28, 1877.

For forms of bids and other information, apply to this office.  
**JOHN NEWTON, Lieut.-Col. of Engineers.**

**COMPETITIONS.**

**TO IRON-WORKERS.**

The Boston Society of Architects offers a prize of fifty dollars for an ornamental strap-hinge of wrought iron for an outside door. Hinges offered in competition for the prize are to be delivered at the Architectural Rooms of the Massachusetts Institute of Technology, in Boylston Street, Boston, addressed to the Boston Society of Architects, with the name of the workman who executed them, before the first Friday in April, for examination at the meeting of the Society on that day. After adjudication, the approved examples will be on exhibition at the Boston Museum of Fine Arts. Blacksmiths and workers in wrought iron throughout New England are invited to compete.

**ARCHITECTS.**

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BUILDING MATERIALS.

THE NEW YORK MARKET.

WHOLESALE PRICES.

[Reported for the American Architect and Building News.]

There have been slight changes in the market during the week, and these mostly confined to paints and iron. On the latter there is a decline of about two per cent noticeable. Prices just now seem to be based altogether on the sales—quantity, terms of payment, and standing of purchaser, being the desiderata. Our figures will be found sufficiently accurate for all practical purposes of approximate estimating. Quotations:—

Table listing prices for BRICK, FRONTS, and CEMENT. Includes items like Jersey, Long Island, Philadelphia, and various grades of cement.

Table listing prices for FIRE BRICK. Includes items like Red Welsh, Scotch, and American.

Table listing prices for DOORS AND BLINDS. Includes items like 2.6 x 6.0, 2.6 x 6.8, and 2.8 x 6.8.

Table listing prices for DOORS, RAISED PANELS, TWO SIDES. Includes items like 2.6 x 6.0, 2.6 x 6.8, and 2.8 x 6.8.

Table listing prices for DOORS, MOULDED. Includes items like 2.6 x 6.0, 2.6 x 6.8, and 2.8 x 6.8.

Table listing prices for OUTSIDE BLINDS. Includes items like Per lineal foot, up to 2.10 wide.

Table listing prices for INSIDE BLINDS. Includes items like Per lineal foot, 4 folds, Pine.

Table listing prices for WINDOW FRAMES. Includes items like Up to 3.4 x 7.2, put together.

Table listing prices for HAIR. Includes items like Cattle and Goat.

Table listing prices for LIME. Includes items like State, common, cargo rate.

Table listing prices for LATH. Includes items like Pine, very choice, and extra dry.

Table listing prices for LUMBER. Includes items like Pine, good, and extra dry.

Table listing prices for PAINTS AND OILS. Includes items like Whiting, Paris white, and Lead.

Table listing prices for SIENNA, RAW (AMERICAN). Includes items like Sienna, burnt, American.

Table listing prices for SLATE. Includes items like Purple roofing slate, Green slate, and Red slate.

Table listing prices for SOLDERS. Includes items like No. 1 and No. 2.

Table listing prices for TIN PLATES. Includes items like I. C. charcoal, 10 x 14.

Table listing prices for ZINC. Includes items like Sheet (gold) foreign.

Table listing prices for LEAD. Includes items like Bar and Sheet.

BOSTON.

PRICES TO CONTRACTORS AND BUILDERS.

There is no particular change in the market this week. The demand continues fair for all kinds of materials, with a slight improvement in fire-brick, the orders of several dealers having increased since our last report. The quotations are as follows:—

Table listing prices for FIRE BRICK. Includes items like No. 1 Boston, Waldo Bros. Extra, and Waldo Bros. No. 1.

Table listing prices for BUILDING BRICKS. Includes items like Eastern, hard, and Eastern, light hard.

Table listing prices for LUMBER. Includes items like Michigan pine—Nos. 1 and 2, and Saps.

Table listing prices for PAINTS AND OILS. Includes items like Whiting, Paris white, and Lead.

Table listing prices for LIME. Includes items like State, common, cargo rate.

Table listing prices for LATH. Includes items like Pine, very choice, and extra dry.

Table listing prices for LUMBER. Includes items like Pine, good, and extra dry.

Table listing prices for ACLE PULLEYS—STEEL. Includes items like 2 in., Pennsylvania make, and 2 in., Boston make.

Table listing prices for DOOR BUTTS. Includes items like Japanned Acorn, Plain Bronzed Iron, and Ornamental Bronze Metal.

Table listing prices for MORTISE LOCKS. Includes items like Brass face and bolt—easy spring.

Table listing prices for DOOR KNOBS. Includes items like Solid glass, Silvered glass, and Cut glass.

Table listing prices for SASH FASTENERS. Includes items like Plain brass, self-locking, and Plain brass, self-locking.

Table listing prices for SERRAS. Includes items like Round head, nickel plated, and for window beads.

Table listing prices for STORE DOOR HANDLES. Includes items like Lacquered brass and Bronze metal.

CHICAGO.

PRICES TO CONTRACTORS AND BUILDERS.

Table listing prices for BRICK, LIME, AND CEMENT. Includes items like Lime, in bulk, and Building brick.

Table listing prices for LUMBER. Includes items like The country demand continues fair. Dry joists and scantling are sold generally at \$10.00.

Table listing prices for METALS AND TINNERS' STOCK. Includes items like Tin Plate, Pig Tin, and Solder.

Table listing prices for LIME. Includes items like State, common, cargo rate.

Table listing prices for LATH. Includes items like Pine, very choice, and extra dry.

Table listing prices for LUMBER. Includes items like Pine, good, and extra dry.

Concerning Agents.

Subscribers to the American Architect are reminded that they should pay no money to canvassers or agents of the paper, who have not a special indorsement from us. The publishers will not be responsible for the delivery of the papers unless ordered through their regularly authorized agents.

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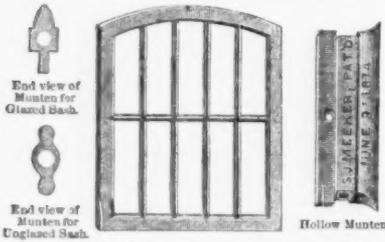
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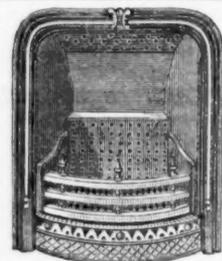
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**WAS IT A FIRE-PROOF BUILDING?**—During the night of Sunday last, a fire destroyed a large five-story iron building in St. Louis. In about twenty minutes from the time of sounding the alarm, the whole front fell. Eventually the rear wall was the only one left standing. What a year ago had cost \$120,000 is now valueless, except as old iron.

**WHO BALANCED THE EGG?**—A writer in the *Pall Mall Budget* suggests that Columbus was a mere imitator when he made the egg stand upright, for it is said that Brunelleschi, disgusted at the unbelief with which his plan for building the dome of the Florence cathedral was received, asked the scoffers if they could make an egg stand up on end without external support; and when they all confessed their inability, he showed them the trick which Columbus afterwards performed for a similar purpose.

**WIRE USED FOR THE BROOKLYN BRIDGE.**—*Apropos* of the strength of bridges, Henry C. Murphy, the president of the company who are building the suspension bridge between New York and Brooklyn, was told that Bessemer steel wire would be put into the cables at great risk. Bessemer steel is liable to enclose bubbles of air and of oxides. The use of crucible steel instead, which has been decided upon, is at an extra cost of from \$150,000 to \$200,000, but this is not much, considering that the cost of the bridge will be about \$13,000,000.

**ITEMS ABOUT MOSAIC-MAKING.**—At Rome, where mosaic has long been used in the reproduction of the works of old masters, no less than ten thousand different shades of enamel are kept. At the workshops in Sèvres, France, which are not so advanced as those in Rome, there are shelves and drawers fixed parallel to the walls. These drawers contain five thousand or six thousand tiny cubes of enamel or colored glass, ranged according to tint. The pattern, usually a painting, is placed before the artist, who works in a square of cement, in which he lays his cubes in shades corresponding to the design furnished him. The Roman artist works on the same plan; but instead of whole blocks of cement and enamels a centimetre square, they use microscopically small cubes, with which they have to work hard to fill up a square centimetre a day. The design is copied with a black-lead pencil on a surface prepared with white plaster; this is removed little by little, and its place supplied with cement, in which the fragments of cut enamel are placed one by one. The finer the shading, the smaller the cubes of enamel.

**A ROMAN SIPHON.**—Father Secchi has discovered at Alatri, in the environs of Rome, an inverted siphon whose lowest point is over three hundred feet below the orifice from which the water flowed into the town. It sustains probably the weight of eleven atmospheres at least. The pipes of this aqueduct are of earthenware, buried in a thick bed of concrete.

**BUILDING INTELLIGENCE.**

Summary of the Week.—Reports from the Principal Cities of the Country.—Signs of Activity, Etc., Etc.

[Reported for the American Architect and Building News.]

Our reports this week indicate a little more activity in building than those of the last issue, although it is yet too early to decide whether the season will prove as busy as the more sanguine ones hope for and predict. The indications are, however, that it will be a great improvement over last year—if not in the character, at least in the number, of buildings constructed.

**Boston.**

**STORE IN WASHINGTON STREET.**—Mr. L. Weissbein has finished plans for a store in Washington Street, on the Copenhagen estate, next to Oliver Ditson's. The dimensions are to be 23 ft. 10 in. by 91 ft. 9 in. The front will be of Nova Scotia sandstone, and the building will be five stories over the basement. The construction is intended to be first class. The contractors are: for mason-work, J. W. Coburn & Co.; carpenters, Noyes Bros.; sandstone, E. F. Meany; iron-work, G. W. & F. Smith; roofing, Farquhar's Sons; granite, A. C. Sanborn & Co.; plastering, Campbell & Sons. The building will be commenced on the 1st of April.

**THE NEW WASHINGTON VILLAGE SCHOOLHOUSE.**—Mr. Clough, the city architect, has completed his plans for the new Grammar Schoolhouse at Washington Village. The building will be of brick, trimmed with stone, Italian style, three stories above basement, and will contain fourteen rooms and a hall. The estimate cost is about \$70,000.

**THE ENGLISH HIGH-SCHOOL BUILDING.**—The Committee on Public Instruction have directed the city architect to make plans and procure estimates for the new English High and Latin Schoolhouse to be erected on the lot of land purchased by the City on Dartmouth Street, in 1873. It thus appears that the committee, at least, deem the present the most propitious time to begin this needed educational enterprise, when the prices of labor and materials are so reasonable.

**THE CHARLES SUMNER SCHOOL.**—The new schoolhouse at Roslindale, West Roxbury District, is just completed. It is a brick structure, containing ten schoolrooms and an exhibition hall, and will be known as the "Charles Sumner School." The building will accommodate 273 scholars. This is the first city building in which Gouge's ventilating apparatus has been instituted. It consists of galvanized iron conductors, extending from each room through the roof, also of an apparatus for admitting cold air through the outside walls, directly into the steam radiators, which are set against the wall and covered with solid iron screens.

**KEROSENE WORKS.**—Jabez H. Sears has taken out permits for the erection of two brick buildings, to be used for the storage, filling, and delivery of kerosene, at 291 West First Street, South Boston. The sizes are 60 x 67 and 30 x 67.

**WOODEN BUILDINGS.**—The following-named builders are mentioned in the permits for wooden buildings taken out during the past week: Burdham C. Dennett, Geo. W. Bruckes, Frank A. Noyes, Theophilus A. Gifford, E. & J. Lynch, Mark Lighton, John W. Morrissey, Angus Campbell, and Frank Cushman.

**BUILDING-PERMITS.**—Since the 1st of March there has been a decided improvement in build-

ing-matters, so far as the number of permits granted is concerned, about twenty having been issued; a majority of these are wooden buildings, and comprise dwellings, manufactories, hotels, &c.

Among the latest projects is a building on the vacant lot of land at the easterly side of the Hotel Brunswick, on Boylston Street, which will be used in connection with that hotel, an entrance on each floor connecting with the main edifice. The size of the new addition is 48 x 100, six stories high. It will be built and finished in the same style and in the same thorough manner as the hotel. Messrs. Peabody and Stearns are the architects, and Mr. Albert Carrier is the builder.

David H. Blaney has taken out permits for the erection of three brick and one wooden building for the purpose of manufacturing varnish, on Chelsea, near Glendon Street, East Boston.

Messrs. I. & H. M. Harmon are to build four brick dwelling-houses on the Back Bay for Mr. C. W. Freeland.

The wooden buildings are mostly dwelling-houses of the ordinary grade.

**Philadelphia.**

**THE NEW PUBLIC BUILDINGS.**—Work has once more been resumed on the Public Buildings at Broad and Market Streets, and there now seems to be a possibility that at some future day the structure will be completed. About two weeks ago, sixty men were assigned to work in cutting the marble, etc. Of these only a few comparatively are at work on the ground, the majority of the stone-cutters being at the shops of the contractors. The rooms which are to be hurried forward to completion for the use of some of the city departments are still in a very unfinished condition; but rapid progress is expected to be made shortly, and it is thought they will be ready for occupancy in a month or two. The large council chambers in the southern wing present only the rough brick walls and the huge iron girders over the tops. They could, however, be completed in a short time.

**Baltimore.**

**BUILDING-PERMITS.**—The total number permits issued from Nov. 1, 1875, to Oct. 31, 1876, for new buildings and improvements was 1,792. Of these 1,325 were assessed at a value of \$2,154,250.

**PROPOSED BUILDINGS, ETC.**—Among the proposed works to be carried on during the spring is a large pavilion to be erected by the Maryland Horticultural Society, on North Charles Street, for their annual exhibition, and also for the exhibition of the Pomological Society of the United States in September. The building is to be of frame and glass, 200 by 250 feet. The ground is to be laid off in plats to receive the plants, and the height to be such as to receive under the roof some of the largest specimens that can be transported from California; and there will also be commodious tables provided for the exhibition of smaller specimens.

Messrs. Dixon & Carson are about to erect on South Charles Street a large iron warehouse, 90 feet front, 71 feet high, in four stories, at a cost of \$40,000. The ornamentation of the front is to be treated so as to suggest the actual construction of the iron, to be painted bronze color or black, relieved by gilt or red, the interior walls left unplastered. The same architects, Messrs. Dixon & Carson, are also designing a handsome and picturesque country house for Prince George's County, at a cost of \$10,000.

In the vicinity of Baltimore Street there are also in course of erection three large iron warehouses in the so-called "Italian style" of front.

One by Mr. Murdoch, 33 x 150 feet, cost \$27,000; Bartlett & Robins, contractors. One by Mr. Gott, 35 x 100 feet, cost \$50,000; Hogg, contractor. And one by Mr. Niernsee.

Messrs. Wyatt & Sperry are designing a warehouse, front of 40 feet, for South Charles Street, to be treated in Baltimore pressed brick, with black mortar, lines of colored bricks and tiles.

The carpenters and builders are erecting this season, as they have done for many years past, a very large number of cheap dwelling-houses in the new parts of the city without the aid of the architects. These dwellings, though sometimes quite pretentious as to their fronts, are generally without merit in plan or design, their material and construction of very cheap class. They are, however, rapidly sold or rented at low figures.

**New York.**

**BUILDINGS PROJECTED FOR THE WEEK ENDING MARCH 7.**—These are 18 in number,—6 brick, 10 brick and stone, 1 brick and iron, and 1 wood (dwellings, tenements, hotel, stores, workshops, and stables), situated on 26th, 35th, 40th, 45th, 63d, 75th, 88th, Greene, Greenwich, Forsyth, Broome, and East Streets, and Brook, Madison, and 8th Avenues. Total value, \$140,000.

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P. O'Brien.....	.....	.....
S. G. D. Murim.....	William Jose.....	.....
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D. W. McLean.....	L. S. Dixon.....	.....
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A. C. Buckstein.....	.....	A. Crouter.....
G. Meyer.....	William Grant.....	G. Meyer.....
J. H. Freeking.....	William Jose.....	J. H. Freeking.....
* Tenement, 88th Street.....	\$10,000.....	Brick and stone.....
† Three first-class dwellings, 73th St.....	30,000.....	Brick and stone.....
‡ First-class store, Greene Street.....	12,000.....	Brick and iron.....
§ Hotel, Forsyth Street.....	20,000.....	Brick and stone.....
Two tenements, 45th Street.....	21,000.....	Brick and stone.....

**Chicago.**

**BUILDING DURING FEBRUARY.**—The monthly report of the Department of Buildings shows that in February the receipts were \$528, from the following sources: 142 building-permits (180 structures), \$90; 30 street-obstruction permits, \$30; 79 house-moving permits, \$335; 13 house-movers' licenses, \$13. The cost of the buildings represented by the 142 permits was \$323,150, while for the month of February, 1876, when 51 permits were issued, the amount was \$283,600. The other work of the Department in the past month was the serving of 186 notices for violations of the building-ordinance, with the requirements of which notices 130 builders complied, and 56 were granted time; 164 violations were noticed by the inspectors, 41 were reported by citizens, and 19 houses were built without violation of the laws.

**BUILDING-PERMITS ISSUED FOR WEEK ENDING MARCH 3.** Total 39.—The following were for new buildings over one story:—

James Campbell, four-story and basement stores and dwellings, north-east corner State and Van Buren Streets, 77½ feet on State Street, and 145 feet on Van Buren Street. Stone front on State Street.

Simon Mandel, three-story and basement brick dwelling 25 x 32 feet, 166 Third Avenue.

M. Schub, two-story and basement brick factory 96 x 40 feet, with two-story engine-room 26 x 30 feet, Superior Street near Milwaukee Avenue.

C. W. & E. Partridge, two three-story and basement stone-front stores 41 x 50 feet, 160 x 162, South Halsted Street.

S. F. Miller, five-story and basement brick store with stone front, 40 x 88 feet, 52 and 54 Wabash Avenue, for wholesale business.

Le Grand Burton, four-story and basement brick store with stone front, 48 x 163 feet, Wabash Avenue near Randolph Street, for wholesale business.

Michael Sullivan, three-story and basement brick dwelling, 24 1/2 by 50 feet, north-west corner of Oak and Townsend Streets.

J. Koenig & Co., three-story brick dry-house, 35 1/2 x 40 1/2 feet, Pratt Street near Green.

Rudolph Schlosser, six two-story and basement stone-front dwellings, each 20 x 36 feet, Van Buren and Aberdeen Streets.

PROJECTS. — Judge Henry W. Fuller will soon erect on east side of Wabash Avenue near Washington, a six-story stone-front store for wholesale business, 24 x 163 feet, to cost \$35,000. The east front of this store will be on Dearborn Place, and will also be faced with stone.

St. Louis.

BUILDINGS PROJECTED. — From Feb. 16 to Feb. 27 inclusive, forty-nine building-permits were issued. Eight of them were for frame buildings of from one to three rooms, and costing from \$100 to \$300. Of the remaining forty-one, thirty are for brick buildings of from two to six rooms, costing less than \$1,000. The rest are for brick, or brick with stone fronts. The following are among the remaining edifices: H. W. Beldsmeier, \$4,600; Wayman Crow, \$11,000; J. S. Smith, \$2,500; J. Christopher, \$6,000; F. Guntler, \$2,200; J. C. Brockmeyer, \$2,000; H. Ahlens, \$2,100; F. Heleman, \$2,000.

Thirty-two permits were issued for the week ending March 5. Thirteen of these are for frame buildings or additions, costing less than \$1,000.00. One frame building for Missouri Zinc Co., \$1,300.00. Seventeen permits were for brick or for stone and brick buildings; six of these cost under \$1,000.00. The others are as follows: J. N. Schertz, owner, value \$1,700.00; W. Linnerbinger, \$2,300.00; P. Berney, \$1,450.00; J. Cox, \$1,000.00; S. W. Cobb, \$5,700.00; Henry Wilke, \$1,000.00; Henry Bockamp, \$1,900.00; P. B. McCarty, \$3,000.00; H. Stockish, \$3,500.00; J. W. Matthews, \$1,500.00; Post Brothers, \$10,000.00; Pine-street Presbyterian Church (stone foundation), \$3,500.00.

Indianapolis.

BUILDINGS IN PROGRESS. — The following is a list of buildings in process of construction in the city: —

The Marion County Court-House, I. Hodson, architect; estimated cost \$900,000; John H. Pendergrast, clerk of works; Scott & Nicholson, contractors for stonework; Haugh & Co., iron-work.

The next important work is the Indiana Insane Asylum, Edwin May, architect; Charles DeWnan, contractor.

Of business blocks, may be noticed the Vance Block, W. A. Brown, architect; five stories of stone, costing \$130,000.

Fletcher & Sharp, bank building; W. L. B. Jenney of Chicago, architect; cost \$100,000.

George S. Bunting's design has been accepted for the Davis County Court-House. Mr. Bunting has just completed a large court-house at Crawfordsville, Ind.

The competition for the State-House is opened again. Quite a number of competitors are in the field.

Building-permits filed in the city clerk's office from Jan. 15 to Feb. 20, 1877, \$42,000.

New Haven.

THE NEW OPERA-HOUSE. — A new opera-house has just been built and sufficiently completed to be regularly used for public amusement. It will seat one thousand persons. The auditorium is a remodelled church-edifice. The stage-building is all new, and divided from auditorium by a twelve-inch brick wall, in which is the stage-opening. The proscenium, arch-jamb, and soffit consist of galvanized iron, painted. The brick wall extends about fifteen feet above the roof of the auditorium, and gives the requisite height for stage. The means of exit are good, the doors swing outwards, and it is but a few steps — say six — from the auditorium to the street. The balcony or gallery discharges down a short flight of wide stairs on each side, and unites with the audience below, and pass out through the two main doors; other doors are provided near stage. The exterior is the old church facade remodelled. The proprietor is Dr. Paul C. Skiff of New Haven. The architect is D. R. Brown; mason-builders, Smith & Sperry; carpenter, Warren Robinson, all of New Haven. Strong of New York is the scene-painter; decorator of auditorium is Zillowski; the sculptor and modeller, J. W. Moulton.

Granville, N.Y.

ROOFING-SLATE. — The slate business at Granville, N. Y., is assuming immense proportions. Mr. Hughes, who owns some of the principal quarries, has a recent order from Europe for 10,000 squares of roofing-slate, which, with other orders of which he is in daily receipt, makes it necessary for him to purchase from neighboring quarries. J. S. Warren is now filling an order from Europe of 15,000 squares. With twenty

or more quarries at Granville and Middle Granville, the laboring class of this vicinity have been able to find abundant employment during the winter. Between 2,000 and 2,500 men and boys are thus employed; and with the rapid growth of the business, the number of the employees is necessarily increased. Already a large number of residences have been erected in the place, and in the early spring between thirty and forty more will be finished.

CLASSIFIED ADVERTISEMENTS.

Table listing various categories of advertisements such as ARCHITECTS, ARCHITECTS' AND ENGINEERS' STATIONERY, ARCHITECTURAL BOOKS, etc., with corresponding page numbers.

Table listing various categories of advertisements such as PLUMBERS, PLUMBERS' SUPPLIES, PORTLAND CEMENT, SHUTTERS, etc., with corresponding page numbers.

Publishers' Department.

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(Copy.) N. Y. CHAPTER OF THE AMERICAN INSTITUTE OF ARCHITECTS, 128 BROADWAY (COR. CEDAR STREET), NEW YORK, JAN. 16, 1877.

MESSRS. JAMES R. OSGOOD & CO. Gentlemen, — At the close of the first year of the American Architect and Building News we desire to express our satisfaction at its establishment, and at the way in which it has been conducted. The excellent literary character it has maintained is calculated to commend it to persons of intelligence and culture outside the profession; and by thus interesting the general public in professional matters at the same time that it presents them from a strictly professional point of view, it is doing both the profession and the public the greatest services.

It would be a great gratification to us if it could also be made, as it deserves to be, the customary and recognized channel of communication, through its correspondence and its advertising columns, between architects, the makers of building-appliances, and the public. This would be a personal convenience indeed to ourselves, as the pages of the journal are more handy and easy of reference than cards and circulars.

You are at liberty to make any use of this communication that you may judge best adapted to forward the interests of the journal — interests which are in our judgment also those of the profession itself. Wishing it every prosperity, we are

Very respectfully yours, R. M. HUNT, HENRY DUDLEY, CHARLES C. HAIGHT, EDWARD H. KENDALL, HENRY FERNBACH, WM. A. POTTER, EMLEN T. LITTELL, R. M. UPJOHN, CARL PFEIFFER, GEO. E. HARNEY, NELSON L. DERBY, A. J. BLOOR, CHARLES F. MCKIM, H. HUDSON HOLLY, HENRY M. CONGDON, H. J. HARDENBERGH, CHAS. D. GAMBRILL, JOS. SANDS, CHAS. W. CLINTON, R. H. ROBERTSON, R. G. HATFIELD, O. P. HATFIELD, GEO. B. POST.

We the undersigned, members of the Boston Chapter of the American Institute of Architects, cordially subscribe to the foregoing indorsement of the excellence of the American Architect and Building News.

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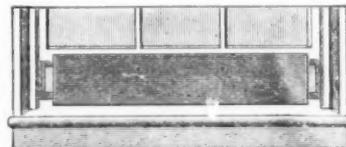
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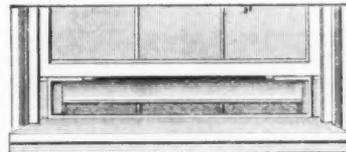
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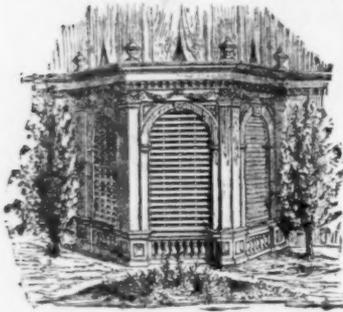
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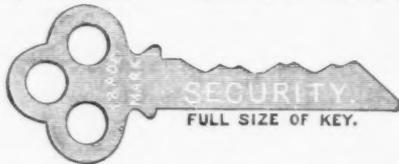
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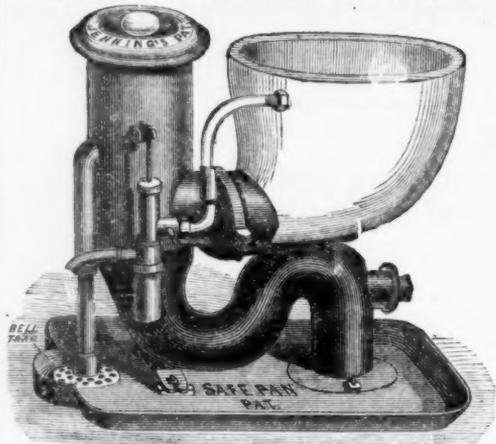
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MANUFACTURERS OF LIGHT COLORED (Buff to White)  
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Importers, Jobbers, and Retailers of  
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STEAM STONE-DRESSING WORKS.  
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pure air, without dust or cold draughts, and adapted to  
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DECORATOR AND DESIGNER,  
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turer of Stationary Wash Stands, 27 Haverhill St., Bos-  
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Builders in Iron, and Engineers in Fire-Proof  
Construction,  
SPRINGFIELD, MASS.,**

HAVE for many years given their exclusive attention to  
FIRE-PROOF CONSTRUCTION; and they now invite the cor-  
respondence of Architects to the following specialties which  
hereafter will constitute the leading items of their business:  
**FIRE-PROOF FLOORS.** The only floors that have stood  
fire in this country.  
**FIRE-PROOF ROOFS.** Refer to Equitable Life Insurance  
Company's Building at Boston.  
**FIRE-PROOF SHUTTERS.** Have stood many fires in all  
parts of the country. Over 6000 pairs put up in Boston  
after the fire. Saved the city of Springfield last year.  
**FIRE-PROOF LATH.** In the words of one of the best-known  
architects of this country, "Minimum of metal, maxi-  
mum of stiffness, maximum of clinch; the best lath  
ever made, either wood or iron." See New York Post-  
Office; State Department, Washington; Equitable Life  
Insurance Company's Buildings, and many others.  
Mr. HOYT will be pleased to wait upon Architects, when  
desired, to explain our methods, and to present for inspec-  
tion construction plans and estimates for any specific work.

**PROPOSALS.**

**SEALED PROPOSALS** will be received  
by the Board of School Trustees of the Ninth Ward  
at the Hall of the Board of Education, corner of Grand and  
Elm Streets, New York, until Tuesday, the 20th day of  
March, 1877, and until 4 o'clock P.M. on said day, for alter-  
ations and repairs of Primary School House No. 18, on  
Waverly Place, near Bank Street.  
Sealed proposals will also be received at the same time  
and place for the furniture required for said school.  
Plans and specifications may be seen, and blanks for pro-  
posals obtained, at the office of the Superintendent of School  
Buildings, No. 146 Grand Street, third floor.  
Two responsible and approved sureties, residents of this  
city, will be required from each successful bidder.  
The parties submitting a proposal and the parties proposing  
to become sureties must each write his name and place of  
residence on said proposal.  
The Trustees reserve the right to reject any or all of the  
proposals submitted.  
CHARLES S. WRIGHT, E. DENISON, M.D., HENRY  
DAYTON, WILLIAM H. ELY, DAVID M. EARL, Board  
of School Trustees, Ninth Ward.

**TO GRANITE QUARRYMEN AND  
DEALERS.**

**OFFICE OF LIGHT-HOUSE ENGINEER,  
THIRD DISTRICT,  
TOMPKINSVILLE, State of New York, N. Y., March 9, 1877.**  
Sealed proposals will be received by the undersigned until  
noon of the 20th day of March, 1877, for furnishing during  
the month of May next, in the rip-rap at South-west Ledge  
Light Station, entrance to New Haven Harbor, Conn.,  
from three to four thousand tons of 2,500 pounds each, actual  
measurement, of granite, in irregular shaped blocks, none  
of which shall weigh less than two tons.  
The blocks are to be placed to increase the rip-rap pro-  
tection already afforded to this Light-house pier.  
No defective stones or slabs will be accepted. The  
placing of the stones will be under the direction of an  
agent of the United States, who will measure the same,  
and direct in what part of the work they are to be placed.  
Bids will be in duplicate, with two sureties to each, upon  
forms which, with any other information, will be furnished  
upon application to the undersigned, who reserves the  
right to reject any bid for proper cause.  
J. C. WOODRUFF,  
Colonel of Engineers, United States Army,  
Engineer Third Light-house District,  
Post Office Box No. 4,032, New York City.

**TO PAINTERS.**

**COMMISSIONER'S OFFICE, HAMILTON COUNTY,  
CINCINNATI, March 7, 1877.**  
Sealed proposals will be received at this office until Satur-  
day, March 31, 1877, at 12 o'clock, for painting the cables of  
the suspension bridge over the Little Miami River, at  
Symmes Station; also, for painting the cables of the bridge  
over the Whitewater at Harrison; also, the cables of the  
Union Bridge near Linwood, in Spencer Township, also,  
for painting the wooden bridge over Dry Fork, on the road  
from New Haven to Venice, in Crosby Township. Specifi-  
cations can be seen at this office. The right to reject any or  
all bids is reserved. By order of commissioners,  
JOSEPH B. HUMPHREYS,  
Auditor of Hamilton County, O.

**TO BRIDGE-BUILDERS.**

**COUNTY COMMISSIONER'S OFFICE,  
HAMILTON COUNTY, O.,  
CINCINNATI, March 2, 1877.**  
Sealed proposals will be received at this office until Satur-  
day, March 31, 1877, 12 o'clock M., for masonry for a bridge  
across Duck Creek, in Columbia Township, on the county  
road leading from Madison to Redbank; also, for a wooden  
superstructure at the same place, sixty feet clear span and  
eighteen feet roadway. Specifications can be seen at this  
office. The right to reject any or all bids is reserved. Pay-  
ment will be made in Hamilton County bonds, bearing  
interest at seven per cent. By order of Commissioners,  
JOSEPH B. HUMPHREYS, County Auditor.

**DORMITORY BUILDING.**—Sealed pro-  
posals for the erection and completion of a Dormitory  
building, for the State Agricultural College of Michigan,  
will be received by E. G. Baird, Secretary of the State  
Board of Agriculture, until Tuesday, March 20, 1877, at 6  
o'clock P.M. Plans, specifications, etc., may be seen on and  
after the third day of March, at the office of Watkins &  
Ar old, architects, Lansing, Michigan. Proposals to be  
marked. For the erection of a Dormitory Building for the  
State Agricultural College, and address to E. G. Baird,  
Secretary of the State Board of Agriculture, Lansing, Mich.  
The Board expressly reserve the right to reject any or all  
proposals made for the work.  
E. G. BAIRD, Secretary State Board of Agriculture.

**PROPOSALS.**

**PROVINCE BUILDINGS.**—Sealed tenders,  
addressed to the undersigned, will be received at the  
Department of Agriculture and Public Works, Quebec,  
Can., until Saturday, the thirty-first day of March, inclu-  
sive, for the construction of the Departmental Buildings for  
the Province of Quebec, to be erected on the lot of ground  
known as the "Cricket Field," and situated on Grand Al-  
lee at Quebec. The plans and specifications of the work  
may be seen at this office, on and after the 1st of March,  
between the hours of 10 A.M., and 4 P.M. The tender must  
be indorsed, "Tender for the Construction of the Depart-  
mental Buildings," and must contain the names, occupa-  
tions, and addresses of two responsible sureties, to be ap-  
proved of by the Honorable the Commissioner of Public  
Works, and who will be held jointly and severally responsible  
with the contractor, for the execution of the contract, and  
of any alteration, addition, or modification thereof, that may  
be agreed between the Honorable the Commissioner and  
the Contractor. No tender will be accepted unless made  
on a printed form to be furnished by this Department on  
demand. The Department will not be bound to accept the  
lowest or any of the tenders. By order,  
ERNEST GAGNON, Secretary.

**COURT HOUSE.**—Sealed proposals will be  
received at the office of the undersigned, in Huntsville,  
Tenn., until 12 M., March 28, 1877, for building a frame Court  
House for the county of Scott, in Huntsville, Tenn. Plans  
and specifications will be ready for inspection in the office  
of William A. Newport, Secretary, etc., after the 25th of  
February, 1877. The work to be completed according to  
specifications, on or before the 1st of January, 1878, or such  
further time as the Commissioners may extend.  
JOHN M. CORDELL, President Board of Commissioners.

**COMPETITIONS.**

**TO IRON-WORKERS.**

The Boston Society of Architects offers a prize of fifty  
dollars for an ornamental strap-hinge of wrought iron for an  
outside door. Hinges offered in competition for the prize  
are to be delivered at the Architectural Rooms of the Massa-  
chusetts Institute of Technology, in Boylston Street, Bos-  
ton, addressed to the Boston Society of Architects, with the  
name of the workman who executed them, before the first  
Friday in May, for examination at the meeting of the Soci-  
ety on that day. After adjudication, the approved examples  
will be on exhibition at the Boston Museum of Fine Arts.  
Blacksmiths and workers in wrought iron throughout New  
England are invited to compete. The essential part is the  
spreading or foliated part of the hinge, such as frequently  
appears on church doors, and is to be wrought by forge and  
hand-work entirely; but it must be an actual hinge, and not  
a mere plate to screw upon the door. For further particu-  
lars see notice in the *American Architect and Building  
News*.

**STATUE OF GEN. LEE.**

**OFFICE OF THE BOARD OF MANAGERS  
LEE MONUMENT ASSOCIATION,  
(Incorporated Jan. 23, 1871),  
RICHMOND, VA., March 3, 1877.**  
Models, drawings, and designs will be received at this  
office up to the hour of noon on the first Monday in Septem-  
ber, 1877, for a Colossal Equestrian Statue of Gen. Robert E.  
Lee, to be erected on the Capitol Square at Richmond, Va.  
Competitors will present their own designs for statue and  
pedestal, accompanied by estimates of cost, stating terms of  
payment, and the time required for the completion of the  
work, free of all charges to the Board.  
The models will not be uncovered nor the drawings exhib-  
ited until the first Monday in September, at noon; and no  
proposals will be received or considered which have not  
arrived at that hour, accidents excepted.  
The Board reserving to itself full liberty to reject any and  
all proposals, in their discretion, will open the estimates on  
the third Monday in September, 1877, and make their award  
in three days thereafter.  
Any further information which may be desired will be  
freely afforded by addressing the undersigned.  
By direction of the Board of Managers,  
S. BASSETT FRENCH, Secretary.

**PEERLESS  
BRICKS.**

EVERY DESCRIPTION OF  
**Pressed, Colored, and Ornamental Bricks**  
MANUFACTURED BY  
**THE PEERLESS BRICK COMPANY,  
OF PHILADELPHIA.**  
Color and Quality Unsurpassed.

A great variety of architectural shapes, suitable for  
**STRING-COURSES, CORNICES, JAMBS, ETC.,**  
Affording unusual facilities to those interested in the devel-  
opment of the growing taste for ornamental  
brick structures.  
**Bricks made to order from Designs.**  
OFFICE:  
**NORTH-EAST CORNER FIFTH & CHESTNUT STS.  
THOMAS F. ADAMS, JOSEPH WOOD, JR.,  
PRESIDENT. TREASURER.**

**Portland and Keene's Cement,**  
Manufactured by  
**J. B. WHITE & BROTHERS,**  
For sale ex Ship to arrive and from their own warehouses.  
PHILADELPHIA { H. FLEMING, } NEW YORK  
office { Sole Agent. } 10 Pine St.  
314 Walnut St.

BUILDING MATERIALS.

THE NEW YORK MARKET.

WHOLESALE PRICES.

[Reported for the American Architect and Building News.]

There have been slight changes in the market during the week, and these mostly confined to paints and iron. On the latter there is a decline of about two per cent noticeable. Prices just now seem to be based altogether on the sales—quantity, terms of payment, and standing of purchaser, being the desiderata. Our figures will be found sufficiently accurate for all practical purposes of approximate estimating. Quotations:—

Table listing prices for BRICK, NOMINALLY, and CEMENT. Includes items like Pale, Jersey, Long Island, etc.

Table listing prices for FIRE BRICK. Includes items like Red Welsh, Scotch, American.

Table listing prices for DOORS AND BLINDS. Includes items like DOORS, RAISED PANELS, TWO SIDES.

Table listing prices for DOORS, MOULDED. Includes items like Size, 2.0 x 6.0, 2.6 x 6.8, etc.

Table listing prices for INSIDE BLINDS. Includes items like Per lineal foot, up to 2.10 wide.

Table listing prices for WINDOW FRAMES. Includes items like Up to 3.4 x 7.2, put together.

Table listing prices for HAIR. Includes items like Cattle, Goat.

Table listing prices for LIME. Includes items like State, common, cargo rate.

Table listing prices for LATH. Includes items like LATH.—Cargo rate.

Table listing prices for LUMBER. Includes items like Pine, very choice, and extra dry.

Table listing prices for PAINTS AND OILS. Includes items like Whiting, Paris white, Eng. (gold).

Table listing prices for PAINTS AND OILS. Includes items like Zinc, white, American, dry.

Table listing prices for PAINTS AND OILS. Includes items like Lead, white, American, in oil, pure.

Table listing prices for PAINTS AND OILS. Includes items like Lead, red, American.

Table listing prices for PAINTS AND OILS. Includes items like Ochre, French, dry (gold).

Table listing prices for PAINTS AND OILS. Includes items like Venetian red, English (gold).

Table listing prices for PAINTS AND OILS. Includes items like Vermilion, Am. Quicksilver (gold).

Table listing prices for PAINTS AND OILS. Includes items like Vermilion, Trieste (gold).

Table listing prices for PAINTS AND OILS. Includes items like Chrome yellow, genuine, dry.

Table listing prices for PAINTS AND OILS. Includes items like Orange Mineral English, gold.

Table listing prices for SIENNA, RAW (AMERICAN). Includes items like Sienna, burnt, American.

Table listing prices for SLATE. Includes items like Purple roofing slate, Green slate.

Table listing prices for SOLDERS. Includes items like No. 1, No. 2.

Table listing prices for TIN PLATES. Includes items like I. C. charcoal, 10 x 14.

Table listing prices for ZINC. Includes items like ZINC.—Duty, sheet.

Table listing prices for LEAD. Includes items like Bar, Sheet.

BOSTON.

PRICES TO CONTRACTORS AND BUILDERS.

There is no particular change in the market this week. The demand continues fair for all kinds of materials, with a slight improvement in fire-brick, the orders of several dealers having increased since our last report. The quotations are as follows:—

Table listing prices for FIRE BRICK. Includes items like No. 1 Boston, Waldo Bros. Extra.

Table listing prices for BUILDING BRICKS. Includes items like Eastern, hard.

Table listing prices for LUMBER. Includes items like Michigan pine—Nos. 1 and 2.

Table listing prices for LUMBER. Includes items like No. 3, Black walnut—Nos. 1 and 2.

Table listing prices for LUMBER. Includes items like Ash—Nos. 1 and 2.

Table listing prices for LUMBER. Includes items like Cherry—Nos. 1 and 2.

Table listing prices for LUMBER. Includes items like Whitewood—Nos. 1 and 2.

Table listing prices for LUMBER. Includes items like Oak.

Table listing prices for LUMBER. Includes items like Butternut—Nos. 1 and 2.

Table listing prices for LUMBER. Includes items like Eastern pine—Nos. 1, 2, and 3.

Table listing prices for LUMBER. Includes items like No. 4.

Table listing prices for LUMBER. Includes items like No. 5.

Table listing prices for LUMBER. Includes items like Spruce—random cargoes scantling and plank.

Table listing prices for LUMBER. Includes items like Boards.

Table listing prices for LUMBER. Includes items like Hemlock boards.

Table listing prices for LUMBER. Includes items like Laths—Spruce.

Table listing prices for LUMBER. Includes items like Pine.

Table listing prices for LUMBER. Includes items like Shingles—Spruce.

Table listing prices for LUMBER. Includes items like Pine shavd.

Table listing prices for LUMBER. Includes items like Sawed extras, 16 and 18 in.

Table listing prices for Acle Pulleys—Steel. Includes items like 2 in., Pennsylvania make.

Table listing prices for Sash Weights. Includes items like Sash Line.

Table listing prices for Door Butts. Includes items like Size—4 1/2 x 4 1/2.

Table listing prices for Mortise Locks—Brass face and bolt—easy spring.

Table listing prices for Door Knobs. Includes items like Solid glass.

Table listing prices for Sash Fastenings. Includes items like Plain brass.

Table listing prices for Screens. Includes items like Round head, nickel plated.

Table listing prices for Store Door Handles—with mortise latch.

CHICAGO.

PRICES TO CONTRACTORS AND BUILDERS.

Table listing prices for BRICK, LIME, AND CEMENT. Includes items like Lime, in bulk.

Table listing prices for BRICK, LIME, AND CEMENT. Includes items like Building brick.

Table listing prices for BRICK, LIME, AND CEMENT. Includes items like Plaster paris, Michigan.

Table listing prices for BRICK, LIME, AND CEMENT. Includes items like Plaster paris, New York.

Table listing prices for BRICK, LIME, AND CEMENT. Includes items like Fire clay.

Table listing prices for BRICK, LIME, AND CEMENT. Includes items like Plastering-hair.

Table listing prices for LUMBER. Includes items like The fall of snow extended as far as the Green Bay country.

Table listing prices for LUMBER. Includes items like First and second clear, 1 to 2 inch.

Table listing prices for LUMBER. Includes items like Third clear, 1-inch.

Table listing prices for LUMBER. Includes items like Third clear, 1 1/2 to 2 inch.

Table listing prices for LUMBER. Includes items like Clear flooring, first and second, rough.

Table listing prices for LUMBER. Includes items like First and second clear dressed siding.

Table listing prices for LUMBER. Includes items like Flooring, first common, dressed.

Table listing prices for LUMBER. Includes items like Flooring, second common, dressed.

Table listing prices for LUMBER. Includes items like Box boards, A, 13 to 18 inch.

Table listing prices for LUMBER. Includes items like Box boards, B, 13 to 18 inch.

Table listing prices for LUMBER. Includes items like A stock boards, 10 to 12 inch.

Table listing prices for LUMBER. Includes items like B stock boards, 10 to 12 inch.

Table listing prices for LUMBER. Includes items like C stock boards, 10 to 12 inch.

Table listing prices for LUMBER. Includes items like Common stock boards, 12-inch.

Table listing prices for LUMBER. Includes items like Fencing, 12 to 16 feet.

Table listing prices for METALS AND TINNERS' STOCK. Includes items like Trade continues to improve.

Table listing prices for METALS AND TINNERS' STOCK. Includes items like Tin Plate.

Table listing prices for METALS AND TINNERS' STOCK. Includes items like Pig Tin.

Table listing prices for METALS AND TINNERS' STOCK. Includes items like Large, 2 1/2; small, 2 1/2; bar, 2 1/2.

Table listing prices for METALS AND TINNERS' STOCK. Includes items like Solder.

Table listing prices for METALS AND TINNERS' STOCK. Includes items like Lead.

Table listing prices for METALS AND TINNERS' STOCK. Includes items like Bottoms, 3 1/2; sheathing copper, 3 1/2.

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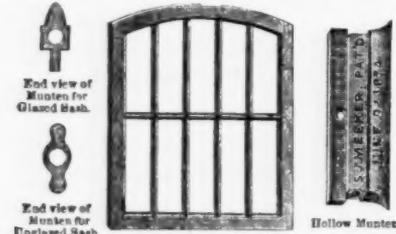
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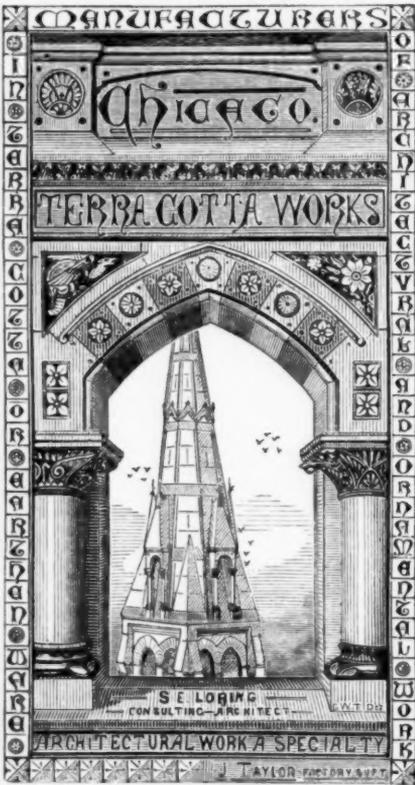
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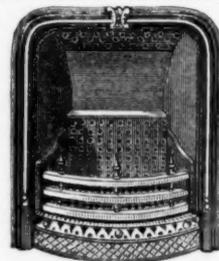
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**PANICS.**—We trust that with the return of warm weather, when people know that public buildings are no longer heated by steam or furnace heat, will come a break in the sequence of causeless panics which have occurred throughout the country ever since the Brooklyn fire. Besides the panic at the Church of St. Francis Xavier, mentioned by our New York correspondent, there have occurred lately panics at a church in Astoria, N.Y., caused by the sound of fire-engines passing the building on their way to a real fire; and a still more serious panic at the Galveston (Tex.) Opera-House, during a Sunday-school festival: in this case the alarm was not false, as a red light, ignited in some unexplained way, had set fire to a partition.

**FIRE APPARATUS.**—The management of the Park Theatre, New York, has placed near the stage one of the large apparatus of the Protective Fire Company, the main feature of which is a tank containing one hundred gallons of water impregnated with sulphuric acid, into which soda can be at any time dropped from above by moving a lever; the gas generated forces water through the hose-pipes attached with great power.

**TENSILE STRENGTH OF CEMENT.**—A great number of tests of Portland cement during the last three years give an average tensile strength of three hundred and eighty pounds per square inch after seven days, and four hundred and fifty pounds after twenty-eight days.

**CEMENT CASKS AS A SUBSTITUTE FOR WOODEN ONES.**—M. Bollert, near Zurich, in 1871 first attempted to substitute casks made of cement for the usual wooden ones for storing wine, his cellar being moist and destructive to wood. The success of the experiment was such that all the wooden vessels have since been thus replaced. Among the advantages ascribed to the cement casks, in addition to diminished cost of construction, are great economy of room, great solidity, without expense for repairs, diminished loss of the contents, and lightening of the work in the cellar. New wine is filled into them without hesitation, as no injurious effect is noticeable. The general plan of construction was, first to coat suitably selected portions of the cellar walls roughly with cement-mortar, and then with the best pure Portland cement, and to form the other portions of the vessels by pouring the material into suitably constructed wooden moulds. He succeeded in rendering the finished vessels deceptively similar in external appearance to the wooden ones. After the interior was sufficiently hardened, they were filled with water for ten days to ascertain whether they were tight, and also to extract the caustic ingredients of the cement. The latter object was not fully accomplished in this way, as the wine lost almost all its acidity in a few days; but this defect was ultimately removed by soaking them with a solution of carbonate of ammonia, and subsequent rinsing with water. Others have employed them since then, and their introduction by the wine-growers on the Mosel is contemplated.

**BUILDING INTELLIGENCE.**

Summary of the Week.—Reports from the Principal Cities of the Country.—Signs of Activity, Etc., Etc.

[Reported for the American Architect and Building News.]

**New York.**

**BUILDINGS PROJECTED FOR THE WEEK ENDING MARCH 4.**—These are 21 in number, —3 brick, 15 brick and stone, and 3 wood. Situated on E. 8th, W. 31st, W. 45th, E. 57th, E. 64th, E. 81st, 14th, 147th, Downing, Leonard, and Sullivan Streets, and 1st and 2d Avenues, and Avenue B. Total value, \$132,400.

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F. Culham	G. W. La Bran	I. Dale
E. Scofield	Son	D. H. King, Jr.

- \* Store and tenement, E. 8th Street...\$25,000..Brick and stone.
- † Two first-class dwellings, E. 64th St. 10,000..Brick and stone.
- ‡ Two stores and tenements, E. 57th Street..... 24,000..Brick and stone.
- § First-class dwelling, cor. 57th Street and 2d Avenue..... 10,000..Brick and stone.
- ¶ Three stores and tenements, Sullivan Street..... 10,000..Brick and stone.
- || Two stores and tenements, Ave. B. 12,000..Brick and stone.

**Boston.**

**BRICK AND STONE BUILDINGS.**—During the past week four permits have been issued. These include the new building on the Copenhagen estate in Washington Street, referred to in our last issue, of which Louis Weissbein is the architect; a brewery in Longwood Avenue, (52 x 52) J. Lawrence Quick, applicant; a greenhouse, Huntington and St. James Avenue, (John M. Galvin), and a dwelling in Myrtle Street, by John B. Perkins.

**WOODEN BUILDINGS.**—Twelve permits for wooden and frame buildings have been issued since our last report. The names of the builders of these are as follows: John W. Morrissey, Angus Campbell, Frank Cushman, John C. Hefler, John D. Webster, George W. Hamilton, John M. Klein, George E. Loon, I. H. Dunn, and James Jackson.

**ADDITIONS AND ALTERATIONS.**—The business in this department has been quite brisk since Jan. 1. During the past week the number of permits issued at City Hall foots up more than fifty. Most of this business is done by masons, builders, etc., without consultation with architects. The amount of money spent yearly in Boston in repairs and alterations in buildings amounts to about \$1,500,000.

**Chicago.**

**PROJECTED BUILDINGS.**—Only twenty permits for the erection of new buildings, alterations, and additions, have been granted during the past week. The following were for buildings of two or more stories:—

Fred Kemper, two-story and basement brick dwellings, each 23 x 42 feet, Elm Street, near Wells.

Frank Filep, two-story brick store and dwelling, 21 x 40 feet, 163 W. 19th Street.

F. S. King, two-story and basement brick barn, 35 x 40 feet, rear of 831 Michigan Avenue.

G. S. Hubbard, ten three story and basement

stone-front stores and dwellings on North Wells Street, near White. This is a valuable improvement, and will cost \$60,000.

Two-story and basement brick dwelling for J. Driske, 28 x 50 feet, corner of Elm and Sedgwick Streets.

John Berg, two-story brick dwelling, 20 x 28 feet, 123 Mohawk Street.

W. F. Hale, two-story and basement brick dwelling, 22 x 42 feet, Walnut Avenue and 28th Street.

A. Hinz, three-story basement and attic store and dwelling, 23 x 58 feet, 399 E. Division Street.

**THE SEASON.**—In the building-market, the general dullness which has prevailed throughout the winter continues. Materials are as low as before the war, and labor commands wages which can be considered only nominal. Still working-men in Chicago do not seem to be suffering greatly, and pauperism is no more prevalent here than formerly. The contractors for the Court House have begun to deliver cut stone, but otherwise no work has been done this season. The Government buildings remain in *statu quo*.

**St. Louis.**

**BUILDING-PERMITS.**—Thirty-one permits have been issued for the week ending March 12, 1877. Five of these are for frame structures, costing from \$25 to \$150. Eighteen permits are for brick buildings costing less than \$2,000; the rest are as follows: C. Haase owner, H. Schulte contractor, cost \$3,000; H. Blumlathe owner, cost \$2,500; F. Donnerberg owner, cost \$4,500; F. W. Henze owner, W. Balson contractor, cost \$3,000; Mary A. Bowden owner, cost \$3,000; F. Moehle owner, Geo. J. Gorber contractor, cost \$2,500; G. Bauer owner, cost \$4,000; G. Bischoff owner, Wm. Daman contractor, cost \$3,500.

**Cincinnati.**

**BUILDING-PERMITS.**—Since Jan. 1 last, the Board of Public Works have issued 116 building-permits, which are divided as follows: 48 brick houses, estimated cost \$297,000; 14 frame houses, estimated cost \$20,000; and 54 changes to houses, estimated cost \$21,000. The owners and others in taking out permits do not for various reasons give more than about two-thirds the actual cost of the buildings to be erected, so that our real showing will be in the neighborhood of \$450,000. In the whole list there is only one that goes as high as \$50,000, four others range from \$10,000 to \$20,000, and the residue are much below the former figure.

**COUNTRY VILLAS.**—The architects of this city are engaged upon a large number of country villas, built of course by Cincinnati capital, which will swell the amount expended for building-purposes to upwards of \$800,000.

**THE NEW MUSIC HALL.**—The foundations for the new Music Hall, or that portion of them that have not been condemned, are going rapidly forward. In regard to this building there is a screw loose somewhere; but whether the blame will attach to the architects or contractors, remains to be revealed by an investigation, which in all probability will soon be made. The building was to have cost \$250,000, the amount of the subscription list, but already it has been discovered that it will take at least \$100,000 more to complete it in accordance with the plans and specifications. This discovery ought to have been made six months ago; but being made as it is after nearly the whole foundation is laid, it looks rather strange, to say the least; and while nothing criminal can be ascribed to any of the parties concerned, it is certain that there has been either gross carelessness or intense stupidity.

**THE CHILDREN'S HOME.**—Cincinnati is soon to have a splendid building, erected on a 125

foot square lot, on Ninth near Plum Street, for the use of the Children's Home. Mr. James W. McLaughlin is the architect; and although the plans are not fully completed, yet enough is known to know that the building will accommodate 120 children, and will be complete and thoroughly adapted (including a chapel) to meet the needs for which it is to be used.

**BUILDING-MATERIAL.**—At a recent meeting of the Cincinnati Chapter, A. I. A., Messrs. James K. Wilson, S. W. Rogers, and E. Anderson, were appointed a committee to prepare a paper on the building-material of this section of the country. As they are to thoroughly investigate the subject, their report, which is to be submitted at the next meeting, will no doubt prove a most valuable and interesting one.

**New Haven.**

**THE NEW HAVEN OPERA-HOUSE.**—In our issue of the 10th inst. the mistake was made of placing the name of Mr. J. W. Moulton in connection with the work of decorating the New Haven Opera-House. The sentence should have read, "Decorator of auditorium, Zillow-ski, sculptor and modeller."

**Lansing, Mich.**

**THE NEW STATE CAPITOL.**—The total expenditure on the new State House up to Jan. 1, 1877, has been \$878,894 21, as follows: Construction, \$797,536.10; steam-heating apparatus, \$32,712.64; and incidental expenses, \$48,585.47. The original appropriation for the building was \$1,200,000, and the contract price with Messrs. Osborne & Co. was \$1,144,057.20. The total appropriations for the same to Jan. 1, 1877, were \$1,365,000. Additional appropriations were: for steam heating and ventilation, \$70,000; for stone cornice and balustrade, \$65,000; for changes in roof, steps, etc., \$30,000. There is also a bill before the present Legislature appropriating \$175,000 for furnishing the various rooms and halls, building fences, grading the grounds, etc., which will increase the total amount appropriated on account of the new Capitol to \$1,540,000. The contractors for furnishing the glass ceilings for the Senate Chamber are Messrs. G. A. Misch & Bro., of Chicago. The plates are 44 x 44 inches, on which are the seals of all the States in the Union, together with different emblems of industry, mining, art, commerce, agriculture, &c. The iron castings are furnished by J. S. Creswell, jun., of Philadelphia.

**Architects and Builders**

Will confer a great favor on the publishers, by sending to the *American Architect* such items of building-news as may come to their knowledge. It is our desire to make the department of building-intelligence valuable to our patrons; and in order to do this we must have early and reliable news from all sections of the country. By giving this matter attention, the friends of the paper can be of great assistance in forwarding for publication news which our regular correspondents cannot easily secure.

**Messrs. Cox & Sons.**

We are gratified to announce that the firm of Cox & Sons, London, whose fine display at the Centennial Exhibition was duly noticed in this paper, will soon open a branch house in America at No. 13 Bible House, Astor Place, New York. The various lines of manufacture by this celebrated firm include church furniture, domestic furniture, stained glass, metal, wood, and stone work, and bronze statuary. The new establishment will be opened on the 1st of May, and will be under the management of Mr. John H. Buck, who had charge of their exhibit at the Centennial, and who will be prepared to submit to architects and interior decorators designs and estimates. Meanwhile Mr. Charles S. Wayne, at No. 1512 North Eleventh Street, Philadelphia, represents Messrs. Cox & Sons in this country, and has in his possession many of their catalogues and drawings which he will be pleased to submit for inspection.

The Hopkins and Dickinson Manufacturing Company.

This well-known New-York firm, manufacturers of locks and bronze hardware, will remove to No. 76 Reade Street, from their present quarters, No. 69 Duane Street, about May 1. Accompanying this announcement is a "Revised Price-List, referring to Illustrated Catalogue and Supplements," which has been received at this office. The firm state that this list annuls all former prices, an announcement which we give as of special interest to architects and builders.

Agents for the American Architect.

The publishers of the American Architect desire to engage first-class agents to procure subscriptions for the paper in all the principal cities and towns of the country. To those who can furnish good references an excellent opportunity is offered to secure pleasant and profitable employment. The terms will be made known upon application. Please address (naming some responsible party as reference) the publishers, JAMES R. OSGOOD & Co., Winthrop Square, Boston.

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be made, as it deserves to be, the customary and recognized channel of communication, through its correspondence and its advertising columns, between architects, the makers of building-appliances, and the public. This would be a personal convenience indeed to ourselves, as the pages of the journal are more handy and easy of reference than cards and circulars.

You are at liberty to make any use of this communication that you may judge best adapted to forward the interests of the journal, — interests which are in our judgment also those of the profession itself. Wishing it every prosperity, we are

Very respectfully yours,

- R. M. HUNT, HENRY DUDLEY, CHARLES C. HAIGHT, EDWARD H. KENDALL, HENRY FERNBACH, WM. A. POTTER, EMLEN T. LITTELL, R. M. UPJOHN, CARL PFEIFFER, GEO. E. HAINSEY, NELSON L. DERRY, A. J. BLOOR, CHARLES F. MCKIM, H. HUDSON HOLLY, HENRY M. CONGDON, II. J. HARDEBERGH, CHAS. D. GAMBILL, JOS. SANDS, CHAS. W. CLINTON, R. H. ROBERTSON, R. G. HATFIELD, O. P. HATFIELD, GEO. B. POST.

We the undersigned, members of the Boston Chapter of the American Institute of Architects, cordially subscribe to the foregoing indorsement of the excellence of the American Architect and Building News.

- E. C. CABOT, JOHN H. STURGIS, C. A. CUMMINGS, W. T. SEARS, II. W. HARTWELL, JOS. E. BILLINGS, F. H. MOORE, GEO. R. SHAW, CHARLES BRIGHAM, A. C. MARTIN, JOHN A. FOX, WM. R. WARE, N. J. BRADLEE, HENRY VAN BRUNT, R. G. SHAW, F. W. CHANDLER, ALBERT G. SWASEY, ROBT. S. PEABODY, JOHN G. STEARNS, LOUIS W. SEIBERIN, ALEX. R. ESTY, GEORGE SNEEL, GEORGE A. CLOUGH.

(Copy.)

N. Y. CHAPTER OF THE AMERICAN INSTITUTE OF ARCHITECTS, 128 BROADWAY (COR. CEDAR STREET), NEW YORK, Jan. 18, 1877.

PRESIDENT MECHANICS' AND TRADES' EXCHANGE.

Dear Sir, — At a meeting of this Chapter held on the 16th inst. action was taken on the subject of the weekly journal entitled the American Architect and Building News; and I was directed to communicate with you, and to suggest that the building-interests generally would be likely to be advanced if that serial should be made, as it deserves to be, the customary and recognized channel of communication, through its advertising columns, between the manufacturers and vendors of building-appliances and the public.

Both architects and the general public are apt to throw cards and circulars into the waste-paper basket; but if their contents were advertised in the above-mentioned journal they would be in permanent shape, handy and easy of reference.

The address of the American Architect and Building News is Cathedral Building, Winthrop Square, Boston, Mass.

Hoping that you will take some pains to interest the members of your organization in the subject, I am Yours respectfully, A. J. BLOOR, Secretary.

Letters from other sources.

From the number of letters received since Jan. 1, renewing subscriptions to the ARCHITECT, we take the following extracts:—

TOLEDO, O., Jan. 10, 1877.

JAMES R. OSGOOD & Co., Boston.

Gentlemen, — We enclose you postal order for \$6, for our subscription of the Architect and Building News. We beg to congratulate you on the success of the paper; and to give you an idea of our opinion of it, we would say that we would not be without it in our office, if it cost \$25 instead of \$6 a year.

A Massachusetts subscriber: "I got more useful hints and valuable building information out of the fifty-three numbers of last year, than I ever did from any six dollars I have spent for similar purposes during the past decade."

A dealer in building-materials: "I have found your paper a valuable advertising medium, tracing several large sales directly to the card in your columns. Were your prices trebled I should consider it a cheap medium."

Another of the same: "Your paper reaches the very classes I desire to reach. It is on the whole cheaper, more direct, and more satisfactory than circulars, upon which I had principally depended before your agent called upon me."

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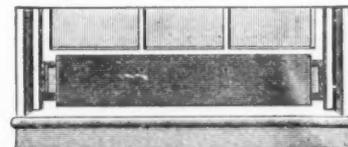
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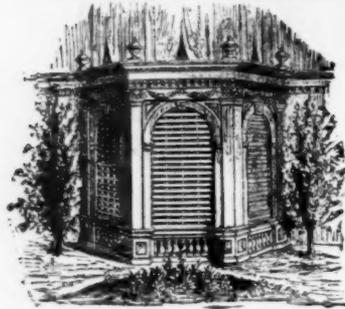
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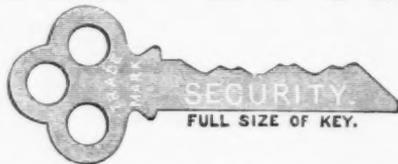
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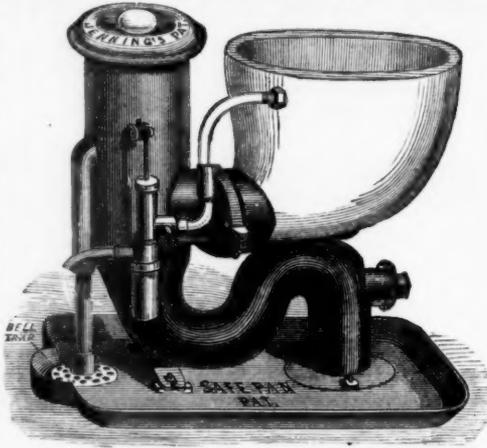
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desired, to explain our methods, and to present for inspec-  
tion construction plans and estimates for any specific work.

**PROPOSALS.**

**CITY OF BOSTON.**

SEALED PROPOSALS will be received at the office of  
the Superintendent of Public Buildings until THURSDAY,  
APRIL 5, 1877, at 12 o'clock, M., for furnishing all mate-  
rials and doing all the labor required to build and com-  
plete a Grammar School House, corner of Dorchester  
Avenue and Rogers Street, Washington Village, South  
Boston.

Separate proposals required for carpentry and masonry.  
Proposals to be addressed to the undersigned, and in-  
dorsed "Proposal for Grammar School House, Washington  
Village, South Boston."  
The Committee reserve the right to reject any or all pro-  
posals received.

For plans and specifications, apply at the office.  
J. E. FITZGERALD, Chairman.

**PROPOSALS FOR BUILDING A DAM  
ON THE GREAT KANAWHA RIVER.**

UNITED STATES ENGINEER OFFICE,  
BALTIMORE, MD., March 1, 1877.  
Proposals for building a dam on the Great Kanawha  
River, W. Va., near Cabin Creek, will be received until  
noon on April 5, 1877, and opened immediately thereafter.  
Blank forms, specifications, and any desired information  
can be had on application at this office.  
WM. P. CRAIGHILL, Major of Engineers.

**CAST-IRON WHEELS.**—Sealed proposals  
for the supply of cast-iron engine track and 1 car wheels  
required by the Grand Trunk Railway Company of Can-  
ada, at Brantford and Stratford during three years, commencing  
1st of May, 1877. Specification and form of tender can be  
had on application to the general storekeeper, Montreal.  
Tenders indorsed "Tender for Cast-Iron Wheels," will be  
received by the undersigned on or before Saturday, 31st of  
March.  
JOSEPH HICKSON, General Manager.

**COURT HOUSE.**—Sealed proposals will be  
received at the office of the undersigned, in Huntsville,  
Tenn., until 12 M., March 28, 1877, for building a frame Court  
House for the county of Scott, in Huntsville, Tenn. Plans  
and specifications will be ready for inspection in the office  
of William A. Newport, Secretary, etc., after the 25th of  
February, 1877. The work to be completed according to  
specifications, on or before the 1st of January, 1878, or such  
further time as the Commissioners may extend.  
JOHN M. CORDELL, President Board of Commissioners.

**TO BRIDGE-BUILDERS.**

COUNTY COMMISSIONERS' OFFICE,  
HAMILTON COUNTY, O.,  
CINCINNATI, March 2, 1877.  
Sealed proposals will be received at this office until Satur-  
day, March 31, 1877, 12 o'clock M., for masonry for a bridge  
across Duck Creek, in Columbia Township, on the county  
road leading from Madison to Redbank; also, for a wooden  
superstructure at the same place, sixty feet clear span and  
eighteen feet roadway. Specifications can be seen at this  
office. The right to reject any or all bids is reserved. Pay-  
ment will be made in Hamilton County bonds, bearing  
interest at seven per cent. By order of Commissioners,  
JOSEPH B. HUMPHREYS, County Auditor.

**JAIL.**—The Commissioners of Nuckolls  
County, Neb., will receive sealed bids at the meeting  
of said Board on a third day of April next, for plans and  
specifications for a jail building to be erected at Nelson,  
the county seat of said county. The cost of said building not to  
exceed eight thousand \$8000 dollars. All communications  
to be directed to Board County Commissioners, Nelson,  
Nuckolls County, Neb.  
JOSEPH VAN VALIN, County Clerk.

**TRUCK HOUSE.**—Sealed proposals will be  
received by the undersigned, at his office in the City  
Hall, Madison, Wis., until Saturday, March 31, 1877, at 12  
M., for furnishing materials and constructing a hook and  
ladder truck house, on the premises next north-west of J.  
D. Gurnee's block, on Wisconsin Avenue, in accordance  
with the plans and specifications now on file in the City  
Clerk's Office. The City reserves the right to reject any  
and all bids.  
JOHN CORSCOTT, City Clerk.

**PROPOSALS.**

**IRON ROOF-FRAME AND GALVANIZED  
IRON CORNICE.**—Sealed proposals, addressed "To  
the Chief of the Bureau of Yards and Docks, Navy Depart-  
ment, Washington, D.C.," will be received at this Bureau  
until 12 M., on the twenty-ninth day of March, 1877, for fur-  
nishing all the Materials and Labor, and those of all tools  
and appliances needed in connection therewith, for con-  
structing and erecting in place the following described work  
at League Island Navy-Yard, Philadelphia, Penn., according  
to the plans and specifications on file in the Civil Engineer's  
Office at said yard, to wit: First, The Iron Roof-frame for  
the Steam Engineering Storehouse, No. 4, about sixty-five  
(65) feet wide and four hundred (400) feet long. Second,  
The Galvanized Iron Cornices, Dormers, &c., of the Steam  
Engineering Storehouse, No. 4, about sixty-five (65) feet  
wide and four hundred (400) feet long. Third, The Galvan-  
ized Iron Cornices, &c., of the Storage and Mound Lott  
Building, No. 7, about sixty-five (65) feet wide and four  
hundred (400) feet long. Plans, specifications, and sched-  
ules can be had on application at the Civil Engineer's Office  
at League Island. Separate proposals must be submitted  
for each of the above-described objects, and enclosed in sepa-  
rate sealed envelopes, indorsed respectively "Proposals  
for Iron Roof-frame," "Proposals for Cornices and Dor-  
mers," and "Proposals for Cornices." The Bureau reserves  
the right to reject any or all bids, as the interest of the  
Government may require.  
J. C. HOWELL, Chief of Bureau.

**BRIDGE.**—Sealed proposals will be received  
at the County Commissioners' office, Hamilton Co.,  
Cincinnati, O., until Saturday March 31, 1877, 12 M., for  
masonry for a bridge across Duck Creek, in Columbia  
Township, on the county road leading from Madison to Red-  
bank; also for a wooden superstructure at the same place,  
60 feet clear span and 18 feet roadway. Specifications can be  
seen at this office. The right to reject any or all bids is  
reserved. Payment will be made in Hamilton County  
bonds, bearing interest at 7 per cent. By order of Commis-  
sioners. JOSEPH B. HUMPHREYS, County Auditor.

**TO PAINTERS.**

COMMISSIONERS' OFFICE, HAMILTON COUNTY,  
CINCINNATI, March 7, 1877.  
Sealed proposals will be received at this office until Satur-  
day, March 31, 1877, at 12 o'clock, for painting the cables of  
the suspension bridge over the Little Miami River, at  
Symmes Station; also, for painting the cables of the bridge  
over the Whitewater at Harrison; also, the cables of the  
Union Bridge near Linwood, in Spencer Township; also,  
for painting the wooden bridge over Dry Fork, on the road  
from New Haven to Venice, in Crosby Township. Specifi-  
cations can be seen at this office. The right to reject any or  
all bids is reserved. By order of commissioners,  
JOSEPH B. HUMPHREYS,  
Auditor of Hamilton County, O.

**COMPETITIONS.**

**TO IRON-WORKERS.**

The Boston Society of Architects offers a prize of fifty  
dollars for an ornamental strap-hinge of wrought iron for an  
outside door. Hinges offered in competition for the prize  
are to be delivered at the Architectural Rooms of the Massa-  
chusetts Institute of Technology, in Boylston Street, Bos-  
ton, addressed to the Boston Society of Architects, with the  
name of the workman who executed them, before the first  
Friday in May for examination at the meeting of the Society  
on that day. After adjudication, the approved examples  
will be on exhibition at the Boston Museum of Fine Arts.  
Blacksmiths and workers in wrought iron throughout New  
England are invited to compete. The essential part is the  
spreading or foliated part of the hinge, such as frequently  
appears on church doors, and is to be wrought by forge and  
hand-work entirely; but it must be an actual hinge, and not  
a mere plate to screw upon the door. For further particu-  
lars see notice in the American Architect and Building  
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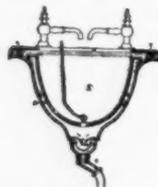
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**THE WASHINGTON MONUMENT.**—We are unwilling to believe the report that since the requisites prescribed by Congress have been complied with, namely, that the monument funds should be turned over to the Government, and the foundation should be declared sufficient for the proposed structure, the appropriation of \$200,000 is now available to complete the Washington National Monument, and that steps are being taken to finish it in accordance with the revised design. As we understand it, the Government commission reported that the foundations were not sufficient, and recommended taking down the monument.

**THE ROYAL GOLD MEDAL.**—It is proposed to give the Royal Gold Medal this year to Mr. Charles Barry, President of the Royal Institute of British Architects. Objections have been raised to so bestowing it, on the ground that he is a member of the body which selects the recipient.

**THE FALL OF JUGGERNAUT.**—The fall of Juggernaut is being widely prophesied among the Hindoos. The falling of a stone last year from the tower of the Temple of Pooree produced a great sensation. It was thought that it betokened the end of Juggernaut, his temple and worship. Those who have examined the temple say that it must soon fall, the walls being already interlaced with the fibres and branches of trees, which in course of time must cause the fall of the whole structure.

**BUILDING-ACCIDENTS.**—Although we are continually obliged to chronicle building-accidents that happen in the United States, it is not for a moment to be thought that such misfortunes are due to carelessness or incompetence peculiarly American. Indeed, when we take into account the acknowledged mechanical ability of Americans, we are almost tempted to believe that the ratio of accidents in this country will compare very favorably with the ratio of such mishaps in countries where building-regulations are more stringent, and inspection more systematic and thorough. The latest English journals report fatal accidents caused by the fall of a brick building in course of erection, whose brickwork had become saturated with water; by the fall of a factory chimney, possibly pulled over by telegraph-wires, and at any rate injured by the manner in which they were attached to it; by the fall of a wall during the demolition of a house. Other but not fatal accidents were the fall of a machine-laden gallery at a locomotive shop; the caving-in of a tank for a gasometer, caused by the unbalanced pressure of the surrounding earth; and the fall of two buildings whose foundations had been weakened by heavy rains.

**THE PAVEMENT OF SIENNA CATHEDRAL.**—Rubblings of eight of the fine designs in the pavement of Sienna Cathedral have been secured from the un-restored originals, and have been sent to South Kensington Museum. They are to be photographed and published in a volume of two sizes.

**BUILDING INTELLIGENCE.**

Summary of the Week.—Reports from the Principal Cities of the Country.

[Reported for the American Architect and Building News.]

**Chicago.**

**BUILDING-PERMITS** issued for week ending March 17. Total number thirty-two. The following were for brick buildings of two stories and over:—

Philipp Boller, two-story basement and attic brick dwelling, 25 x 48 feet, 724 S. Union Street.  
P. J. Ryan, two-story and basement addition to dwelling, 20 x 16 feet, 660 W. Van Buren Street.

John Patterson, three-story and basement brick store and dwelling, 24 x 100 feet, 356 Blue Island Avenue.

August Franke, two-story brick dwelling, 22 x 34 feet, Evergreen, near Robey Street.

John Farnsworth, two-story brick barn, 48 x 48 feet, 37 North Portland Avenue.

John W. Kindts, two-story and attic brick dwelling, 29 1/2 x 54 feet, Hoyne Street, near North Avenue.

Hahne & Knoeke, two two-story and basement stores and dwellings, each 21 x 51 feet, Larrabee Street, near Centre.

Charles Matthal, two-story and basement store and dwelling, 25 x 65 feet, 532 S. Canal Street.

Thomas Burrows, two-story barn, 20 x 44, 160 South Ashland Avenue.

Charles Hallritter, two-story and attic dwelling, 25 x 54 feet, 225 Rush Street.

William Schroeder, three-story and basement store and dwelling, 21 x 48 feet, 335 West Chicago Avenue.

D. E. Graves, two-story and basement dwelling, 22 x 36 feet, W. Congress Street, near Hayne.

George O. Hovey of Boston, Mass., five-story and basement stone-front store for wholesale business, 50 feet 8 inches x 194 feet, south-west corner Monroe and Franklin. This is the store mentioned last week. Contracts \$75,000.

A. Peterson, two-story dwelling, 22 x 34 feet, Seymour Street, near Bryson.

Jacob Birk, three-story and basement factory, 25 x 67 feet, and two-story barn, 25 x 15 feet, 56 North Desplanir.

E. C. Cole, two-story store and dwelling, 22 x 30 feet, West Indiana, near Wood Street.

L. B. Otis, two-story addition, 19 x 30 feet, 617 Michigan Avenue.

No **BUILDING PROJECTS** are announced, and a general dullness prevails with prospects unchanged. Winter seems to have returned again with all its severity, and no one is reminded of the approach of a building season. Many dwellings on the west side are seeking tenants.

**Pittsburg.**

**WINDOW GLASS.—PROPOSED REDUCTION IN WAGES TO WORKMEN.**—The Baltimore *American* says of the convention of window-glass manufacturers at Pittsburg:—

“Mr. William Baker, of the firm of Baker Bros. & Co., was the only representative from this city; and although it is possible that some of the other window-glass manufacturers here may agree to enter the association, it is more than probable that other firms will continue to act independent of its action. So many influences of a local character have been developed in different localities, that the need of organization has been long and deeply felt. In New Jersey the manufacturers board their employees who live in the company’s houses, deal at the company’s stores, and circulate the company’s

‘shipplasters’ in place of legal currency. Thus by making large profits in their stores and houses, the New Jersey manufacturers are often enabled to undersell their competitors in other States. Baltimore, in competing for the Western trade, has also to contend with Pittsburg, which is the headquarters of glass manufacture in the United States, and so situated as to secure very cheap freights to Western points. It is very probable that this convention considered the question of making a general reduction in the wages of their employees. Baker Brothers & Co., of this city, have already notified the workmen at their window-glass furnaces that they intend making a general reduction of about fifteen per cent in wages. There has been an understanding among manufacturers for a long time that if a general reduction of wages was not acceded to by the workmen, to go into effect the 1st of April next, all the furnaces would stop work on that date. Some of the workmen in other cities have agreed to the reduction, but the danger of uniform opposition among the workmen has no doubt been a means of leading the manufacturers to form an organization.”

**New York.**

**BUILDINGS PROJECTED FOR WEEK ENDING MARCH 21.**—These are 60 in number,—36 brick, 19 brick and stone, and 5 wood. Situated on 14th, 15th, 36th, 46th, 52d, 57th, 63d, 80th, 98th, 124th, 126th, 152d, Church, Henry, Delancy, Albany Post Road, and Madison Streets, and W. Broadway, Avenue A, 2d, 13th, and Berrian Avenues. Total value \$479,000.

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* Three stores and tenements, 124th Street.....	\$21,000.. Brick and stone.
† Three first-class dwellings, 36th St. ....	24,000.. Brick and stone.
‡ Ten first-class dwellings, five French flats, 126th Street.....	121,000. Brick, and brick and stone.
§ Two stores and tenements, Delancy Street.....	40,000.. Brick.
¶ Eight stores and tenements, 2d Avenue.....	80,000.. Brick.
‡ Eight stores and tenements, Delancy Street.....	64,000.. Brick.

**NEW HISTORICAL BUILDING.**—Efforts are making to secure funds for a new building for the Long Island Historical Society. At a recent meeting enthusiastic speeches were made urging the adoption of active measures, by the Hon. S. B. Chittenden, Samuel McLean, H. E. Pierpont, A. S. Barnes, Augustus Low, and others. The society is already in possession of a fine site at Clinton and Pierpont Streets.

**SUMMER HOTELS.**—A new hotel is to be built this spring upon Coney Island by the New York and Manhattan Beach Railway Company, who own all the island beach between Sheephead Bay and the ocean. It is intended to complete the hotel, ready for occupancy by the 1st of June. The building which will be connected with the New York and Manhattan Beach Railway-station, will contain a large restau-

rant, parlors, offices, etc., and about one hundred sleeping-rooms. Its cost will be from \$50,000 to \$60,000. Next year the managers of the railroad intend to build another hotel on a much larger scale, the cost of which will be more than \$100,000.

**Philadelphia.**

**BUILDING-PERMITS.**—Among the important permits lately issued by the building-inspectors are the following: August Schrieber, one three-story factory, 24 by 40 feet; T. C. Slackhouse, two two-story dwellings, 16 by 30 feet; Samuel Hopkinson, two three-story stores and dwellings, 17 by 44 feet; Michael Dehaven, seven three-story dwellings, 18 by 53 feet; William C. McPherson, two four-story stores and dwellings, 25 by 50 feet; Michael Dehaven, three three-story dwellings, 16 by 40 feet; S. S. Redifer, two two-story dwellings, 16 by 12 feet, and two three-story factories, 20 by 24 feet; Michael Dehaven, seventeen three-story dwellings, 18 by 57 and 16 by 54 feet; C. C. Derrickson, five three-story dwellings, 15 by 40 feet; W. C. McPherson, one two-story depot 75 by 90 feet, and one two-story stable 90 by 95 feet; P. H. Somerset, one three-story schoolhouse, 76 by 78 feet. Building-matters are looking up somewhat in the Quaker City.

**THE IRON TRADE.**—The Philadelphia *North American* says of the iron-trade:—

“None of the encouraging indications for the future give us greater pleasure than to find of late a decidedly hopeful feeling among the leading ‘iron men.’ Many of them are convinced that the hardest times have passed in their business; and not a few acknowledge that they are making living profits even now, though of course nothing like the results which in the flush times preceding 1873 enabled newly-established iron companies to earn 20 to 40 per cent per annum on their capital.”

**RECENT DECLINE IN THE LUMBER TRADE.**—A writer makes the statement that the stocks on the Philadelphia lumber wharves have been gradually decreasing, of course not counting the exceptional spurt of the year 1875 in anticipation of buildings for and around the Exhibition. Stocks are not large this year, probably no larger than last; and while the demand for local consumption this season will be very slack, the shipments will probably not exceed 5,000,000 feet against 13,500,000 in 1872. There are probably 150 dealers doing a business of from \$25,000 to \$100,000 a year, and some 75 or 80 dealers doing a business all the way up from \$100,000 to \$750,000 a year. The exceptional dullness in the lumber market for local consumption is caused by the utter break-down of the large body of house-builders who work entirely on advances. These men build a good class of houses, superior to those erected by the numerous co-operative building societies peculiar to Philadelphia, and costing from \$7,000 to \$10,000 each. There are to-day many thousands of such houses in Philadelphia in a more or less unfinished state, and of course unoccupied. Their builders have failed, and they are seized by the mortgages and held under foreclosure. The *modus operandi* is thus described: A lumber-merchant being asked what proportion of this class of builders he thought had become bankrupts; “Why, sir,” he replied, “I don’t know one of ‘em that is not a bankrupt.” This is a bad state of things, but it has its origin in a vicious and most unbusinesslike procedure. One of these builders will go and buy a whole square of ground, and stake it out in lots. On each lot he will raise a mortgage covering the house to be put on it, for \$4,000, each lot being possibly worth \$50. A first instalment is paid down, the second is paid when the cellar walls are up, and so on; the last instalment is paid when the roof is put on, which seldom occurs

before the house is back in the hands of the mortgagee, the latter being glad to get all the best part of a \$10,000 house for \$4,000, and who finishes them at his leisure, and sells them for what they will fetch — of course, far below cost, but nevertheless at a profit to himself. This system, says the writer, may put cheap houses on the market for a while; but it is only sadly demoralizing to trade, stops *bona fide* building, and plays the mischief with the local lumber business.

#### Boston.

**BUILDINGS PROJECTED.** — About 25 buildings are already projected on the Back Bay, some of which have already been announced in this department.

Messrs. J. & H. M. Harmon will soon begin the construction of six houses for Mr. C. W. Freeland. Two will be on Marlboro' Street, with a frontage of 24 x 62, and the others are on Beacon Street, 25 x 62.

Among others reported are the following: Mr. John Shapleigh is also preparing to erect three handsome houses on Newbury Street, and three more on the same street are to be built by Mr. George N. Gibson.

Mr. Newman is to build a large apartment house, or family hotel, to accommodate some 25 families, on the north side of Boylston Street, and plans are being drawn for other parties who contemplate the erection of a similar hotel on Beacon Street.

Mr. Alexander S. Porter is to build a spacious house on Commonwealth Avenue, between Charendon and Berkeley Streets. Plans are also being drawn for a handsome house 71 x 44 feet, to be erected on the north-east corner of Newbury and Dartmouth Streets.

Mr. Asa Potter is to erect a residence, 65 feet by 30, on the south-west corner of Commonwealth Avenue and Fairfield Street, and other parties are having plans drawn for two or more houses of the same size near by. Three houses are to be built on Newbury Street below Dartmouth.

William J. Eaton will build two houses, with mansard roofs, on East 30th Street.

Permits for only five wooden buildings have been taken since our last report.

Lyman Locke will erect a store and dwelling of brick, three stories, 25 x 41 feet, at No. 191 Dorchester Street.

**BEACON PARK.** — Contemplated improvements at Beacon Park include raising of the hotel, and a remodelling of the stables, etc., on the inside of the grounds, for the better accommodation of the valuable horses. A new grand stand will also be erected. The cost of these improvements is estimated at about \$15,000.

#### Milwaukee.

**THE SEASON.** — Architects have a fair amount of work on hand. As soon as the weather permits, above the average amount of building at this season will be commenced, as is evident by the number of contracts made within the last few weeks.

**NEW CONTRACTS.** — Contracts for the following buildings have been made since the last report:—

H. C. Koch, architect. — Double brick store with stone front for T. Greenwood, Grand Avenue, \$11,000; two-story brick store for H. Mendelson, Chestnut Street, \$4,400; brick-cased dwelling-house and barn for H. Sheffles, Fourteenth Street, \$5,900; brick-cased cottage for A. Mauk, Thirtieth Street, \$3,500; frame cottage for Mrs. A. Schlitz, Eleventh Street, \$2,500.

C. A. Gombert, Architect. — Brick dwelling for F. Bergenthal, Fourteenth Street, \$10,000; frame dwelling for William Gerlach, Eighth Street, \$11,000; frame dwelling for John C. Keefe, Sixteenth Street, \$3,000; alterations to dwelling for Henry Mendel, Jefferson Street, \$2,000.

Mr. E. T. Mix is preparing plans for several dwellings, and completing the details of the inside finish for the building of Alexander Mitchell, Esq. This building was commenced last summer; the walls are now ready for the roof. Some description of this building will shortly be given in the *Architect*. The building is intended for banking purposes, and for the offices of the Chicago, Milwaukee, and St. Paul Railway. It is a fire-proof building.

**NEW SCHOOL-BUILDING.** — On the 15th of this month, proposals to build the Thirteenth Ward School-Building were received according to advertisement. There were nineteen bids, the lowest by Charles Brandt (\$25,000) to whom the contract is awarded. The highest bid was \$29,963. H. C. Koch is the architect. The main building is 70 x 90 feet, having a projection on each side 12 x 20 feet, and on the front 16 x 38 feet. In these projections are the entrances and stairs. The first and second stories are each divided into four class-rooms, 27 x 34 feet, the third story into two class-rooms of the same size, and an exhibition-hall 41 x 66 feet. Each class-room has two cloak-rooms about 7 x 12 feet, and a teacher's closet. In one end of the front projection

there is a room on each story used in the first, second, and third stories respectively as teacher's room, principal's room, and apparatus room. Height of stories: basement, 8', 6"; first story, 13', 0"; second story, 13', 0"; third story, 18', 0"; the basement walls to be limestone rubble-work, with the outside rock-range work. All walls above the basement to be of brick, the outside faced with pressed brick. Height of walls from the top of first floor to the top of cornice, 47 feet. The cornice of wood, and the roof tinned. The joists 3 x 14. Floors 2 x 4, pine, matched. Wainscoting in class-rooms 3 feet high, in the corridors and stairways 4 feet high, and in cloak-rooms 6', 0" high. All the stairs to have oak treads 1 1/2" thick. There is a tower on the front 98 feet high. The building will be heated by steam, but that is not included in this contract. The arrangements for heating and ventilating are excellent. These items are given to enable those interested to compare the cost of building here and elsewhere.

#### Indianapolis.

**BUILDING-PROJECTS.** — Mr. D. A. Bolen has just completed a chapel for Crown Hill Cemetery, at a cost of \$40,000, including the architect's commission. It is designed in Gothic style. The entire building is of stone. Mr. Bolen is the architect of Robert Park Church, which is built of dressed stone, and when completed will cost \$125,000. J. Boesum contractor. A church at Shelbyville (E. Victor, contractor), and a residence at the same place are among the works on hand in his office.

Mr. Bunling is building a Female College at Greencastle, which, when completed, will cost \$300,000. The design is Gothic.

Amongst the works on hand in Mr. Hübner's office is a block of stores at Rochester, Ind., to cost \$20,000, an ice-house for Smith's Brewery, to cost \$20,000, and several business blocks in the city. Mr. Hübner has just completed the St. Mary's Female Seminary, at a cost of \$23,000.

Messrs. Ketcham and Gibson have finished a very picturesque residence for George Townley, a picture Gothic building. P. Routier contractor. A residence for Mr. Vinton is amongst the number of their works on hand.

Building-permits filed in city clerk's office from Feb. 20, \$38,000.

#### St. Louis.

**BUILDING-PERMITTS.** — Thirty-nine permits have been issued for the week ending March 19; five for frame structures, worth from \$50 to \$500; the rest for brick, or brick with stone fronts. Nineteen of these will cost less than \$2,500; the rest are as follows:—

M. Walsh owner, cost \$6,700, T. Gugerty contractor; William Wellpott, \$3,000; C. H. Bailey, \$6,000; Mrs. Hackman, \$7,600; E. Eibert, \$6,000, W. Balsom contractor; O. Malley, \$2,500; F. Kremming, \$2,500; J. E. Crawford, \$7,500; E. Hoffmeister, \$3,400; Kehler Bros., \$3,000; H. Blum, \$2,500, M. Frederic contractor; L. Werner, \$3,000; C. Class, \$4,500; H. Schroeder, \$3,000; A. W. Henry, \$2,500.

#### General Notes.

**A NEW JAIL.** — The Legislature of Ohio have just passed a bill to authorize the erection of a new jail in Delaware County.

**STEAM-HEATING APPARATUS.** — Contracts for steam-heating apparatus in public buildings amounting to upwards of \$1,000,000 will be given out in the Western States during the next two years.

**MECHANICS EMPLOYED.** — The president of the State Trades Assembly recently told a New York *Herald* reporter that there are not now more than twenty thousand idle mechanics in the city. Two months ago there were three times that number unemployed.

**EXPORT OF TIMBER.** — It is probable that the export of pine timber to England will increase this summer. Thirty-two cargoes of deals have been shipped from the wharf at the New York Central grain-elevator within a year, and four thousand car-loads more are coming; and now preparations are being made to send oak and hard timber and negotiations are in progress between Detroit and Liverpool people for new direct trade in deals. This timber is gathered principally on the shores of Lake Michigan, and brought by vessel to a point a few miles below Detroit, whence it is forwarded by rail.

#### Architects and Builders

Will confer a great favor on the publishers, by sending to the *American Architect* such items of building-news as may come to their knowledge. It is our desire to make the department of building-intelligence valuable to our patrons; and in order to do this we must have early and reliable news from all sections of the country. By giving this matter attention, the friends of the paper can be of great assistance in forwarding for publication news which our regular correspondents cannot easily secure.

#### LIST OF PATENTS

OF BUILDING APPLIANCES ISSUED FROM THE UNITED STATES PATENT OFFICE, BEARING DATE MARCH 13, 1877.

- I. Arthur, Shepherdstown, Penn. Scroll sawing machine. (225.)  
 R. A. Copeland, Bay City, Mich. Fire-escape, (234.)  
 F. C. D. McKay, Paterson, N.J. Shade-rollers. (253.)  
 E. Parker, New Britain, Conn. Knob-latch. (258.)  
 C. R. Patterson, Pittston, Penn. Pressure devices for planing and moulding machines. (259.)  
 W. W. Stead, Cleveland, O. Fire-escape. (266.)  
 C. C. Walworth, Boston, Mass. Steam-heating radiator. (268.)  
 E. W. Bingham, Philadelphia, Penn. Brick-kiln. (277.)  
 N. Campbell, Rochester, N.Y. Curtain-fixtures. (280.)  
 P. A. Dugan, Brooklyn, N.Y. Snow-guards for roofs. (287.)  
 J. Greenawalt, Pittsburg, Penn. Roofing-tile machine. (291.)  
 J. A. Sherman, New York, N.Y. Combined latch and bolt. (308.)  
 W. E. Sparks, New Britain, Conn. Combined sash lift and fastener. (311.)  
 J. H. Spencer, Cleveland, O. Fire-escape. (312.)  
 L. Sues, Chicago, Ill. Theatres, and methods of protecting the same from fire. (315.)  
 H. Esser, Meadville, Penn. Reversible knob-latch. (346.)  
 J. Heenermann, Chicago, Ill. Fire-escape. (362.)  
 J. Kelly, San Francisco, Cal. Window-sash holder. (375.)  
 B. G. Martin, New York, N.Y. Elevator. (388.)  
 J. Palm, Sandwich, Ill. Spring-hinge. (402.)  
 C. B. Rager, North Manchester, Ind. Weather-strip. (409.)  
 G. W. Staker, Monroe, Io. Apparatus for rescuing goods from fire. (431.)  
 D. F. Stambaugh & W. A. Smith, Casey, Ill. Sash balances. (432.)  
 R. Tobin, McComb, Ill. Wind-anchors for frame houses. (442.)  
 N. Van Loon, St. Cloud, Minn. Lightning-rod. (444.)

#### Publishers' Department.

*The American Architect and Building News.*

(Copy.)

N. Y. CHAPTER OF THE AMERICAN INSTITUTE OF ARCHITECTS, 123 BROADWAY (COR. CEDAR STREET), NEW YORK, JAN. 16, 1877.

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Gentlemen, — At the close of the first year of the *American Architect and Building News* we desire to express our satisfaction at its establishment, and at the way in which it has been conducted. The excellent literary character it has maintained is calculated to commend it to persons of intelligence and culture outside the profession; and by thus interesting the general public in professional matters at the same time that it presents them from a strictly professional point of view, it is doing both the profession and the public the greatest service.

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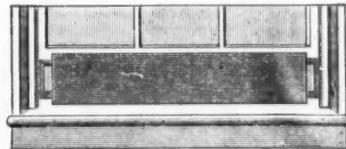
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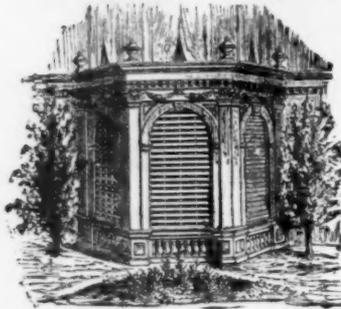
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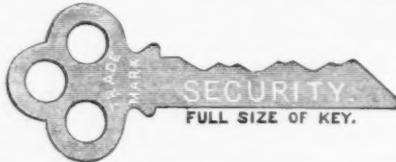
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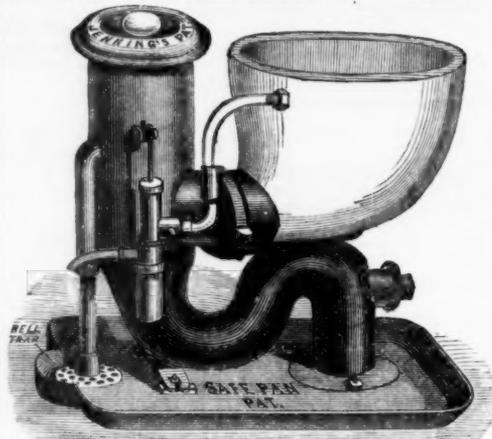
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**PROPOSALS.**

**CITY OF BOSTON.**—Sealed proposals will  
 be received at the office of the City Architect, until  
 THURSDAY, APRIL 5, at 12 o'clock, m., for furnishing all  
 materials and doing all the labor required to build and com-  
 plete a Grammar School House, corner of Dorchester and  
 Rogers Streets, Washington Village, South Boston.  
 Separate proposals required for carpentry and masonry.  
 Proposals to be addressed to the undersigned, and in-  
 dorsed "Proposal for building Grammar School House,  
 Washington Village, South Boston."  
 The Committee reserve the right to reject any or all pro-  
 posals accepted.  
 For plans and specifications, apply at the office.  
 For the Committee.  
 J. E. FITZGERALD, Chairman.

**TO BUILDERS.**—Sealed proposals will  
 be received by the undersigned at the store of F. O.  
 Gates, in the village of North Bend, Hamilton County,  
 O., up to 12 o'clock, noon, of MONDAY, April 9, 1877, for the  
 furnishing of 1 1/2 material, and the erection of a Town Hall  
 and Schoolhouse on the village lot, in said village of North  
 Bend, in accordance with plans, detail drawings, and spec-  
 ifications on file in the office of E. Williams, architect,  
 north-west corner of Fourth and Race Streets, Cincinnati.  
 Each bid must contain the name of every person who con-  
 curred therein, and be accompanied by a bond in the sum of one  
 thousand dollars, of some disinterested person, that if the  
 bid is accepted a contract will be entered into, and the per-  
 formance of it properly secured. Payments will be made in  
 cash, in monthly instalments of eighty per cent of amount  
 of work done. The right to reject any and all bids is re-  
 served.  
 JOHN S. CONNER,  
 Clerk of Village and Board of Education of North Bend, O.

**PROPOSALS FOR THE STONE AND**  
**BRICK WORK** required for the United States Custom  
 House, Court House, and Post Office at Nashville, Tenn.  
 OFFICE OF THE SUPERVISING ARCHITECT,  
 TREASURY DEPARTMENT,  
 WASHINGTON, D. C., March 21, 1877.

Sealed proposals will be received at this office until 12 m.,  
 on the seventh day of April, 1877, for all the stone and Brick  
 Work required to complete the United States Custom  
 House, Court House, and Post Office at Nashville, Tenn., in  
 accordance with the general drawings and specification.  
 Copies of general drawings and specification, and any ad-  
 ditional information may be had, and details drawn may be  
 seen, on application at this office, or at the office of the  
 Superintendent of the building, James H. Cochran, Esq.,  
 JAMES G. HILL,  
 Supervising Architect.

**STEAM HEATING APPARATUS.**—Sealed  
 proposals will be received at the Central Department  
 of Police of the City of New York, 300 Mulberry Street, un-  
 til 10 A.M., of the third day of April, 1877, for furnishing a  
 low-pressure Steam Heating Apparatus for the station-  
 house, lodging-house, and prison on East Fifty-first Street,  
 in the city of New York. Plans may be examined, and spec-  
 ifications and blank proposals obtained, by application to  
 the undersigned, at his office in the Central Department.  
 By order of the Board.  
 S. C. HAWLEY, Chief Clerk.

**PROPOSALS FOR BUILDING A DAM**  
 ON THE GREAT KANAWHA RIVER.  
 UNITED STATES ENGINEER OFFICE,  
 BALTIMORE, MD., March 1, 1877.  
 Proposals for building a dam on the Great Kanawha  
 River, W. Va., near Cabin Creek, will be received until  
 noon on April 5, 1877, and opened immediately thereafter.  
 Blank forms, specifications, and any desired information  
 can be had on application at this office.  
 W. M. F. CRAIGHILL, Major of Engineers.

**CAST-IRON WHEELS.**—Sealed proposals  
 for the supply of cast-iron engine track and car wheels  
 required by the Grand Trunk Railway Company of Can. da,  
 at Brandon and Stratford during three years, commencing  
 1st of May, 1877. Specification and form of tender can be  
 had on application to the general storekeeper, Montreal.  
 Tenders indorsed "Tender for Cast-Iron Wheels," will be  
 received by the undersigned on or before Saturday, 31st of  
 March.  
 JOSEPH HICKSON, General Manager.

**PROPOSALS.**

**JAIL.**—The Commissioners of Nuckolls  
 County, Neb., will receive sealed bids at the meeting  
 of said Board on the third day of April next, for plans and  
 specifications for a jail building to be erected at Nelson, the  
 county seat of said county. The cost of said building not to  
 exceed eight thousand (\$8,000) dollars. All communications  
 to be directed to Board County Commissioners, Nelson,  
 Nuckolls County, Neb.  
 JOSEPH VAN VALIN, County Clerk.

**COMPETITIONS.**

**TO IRON-WORKERS.**

The Boston Society of Architects offers a prize of fifty  
 dollars for an ornamental strap-hinge of wrought iron for an  
 outside door. Hinges offered in competition for the prize  
 are to be delivered at the Architectural Rooms of the Massa-  
 chusetts Institute of Technology, 111 Boylston Street, Boston,  
 addressed to the Boston Society of Architects, with the  
 name of the workman who executed them, before the first  
 Friday in May, for examination at the meeting of the Soci-  
 ety on that day. After adjudication, the approved examples  
 will be on exhibition at the Boston Museum of Fine Arts.  
 Blacksmiths and workers in wrought iron throughout New  
 England are invited to compete. The essential part is the  
 spreading or foliated part of the hinge, such as frequently  
 appears on church doors, and is to be wrought by forge and  
 hand-work entirely; but it must be an actual hinge, and not  
 a mere plate to screw upon the door. For further particu-  
 lars see notice in the American Architect and Building  
 News.

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OFFICE OF THE BOARD OF MANAGERS  
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 ber, 1877, for a Colossal Equestrian Statue of Gen. Robert E.  
 Lee, to be erected on the Capitol Square at Richmond, Va.  
 Competitors will present their own designs for statu and  
 pedestal, accompanied by estimates of cost, stating terms of  
 payment, and the time required for the completion of the  
 work, free of all charges to the Board.  
 The models will not be uncovered nor the drawings exhib-  
 ited until the first Monday in September, 1877, and no  
 proposals will be received or considered which have not  
 arrived at that hour, accidents excepted.  
 The Board reserving to itself full liberty to reject any and  
 all proposals, in their discretion, will open the estimates on  
 the third Monday in September, 1877, and make their award  
 in three days thereafter.

Any further information which may be desired will be  
 freely afforded by addressing the undersigned.  
 By direction of the Board of Managers,  
 S. BASSETT FRENCH, Secretary.

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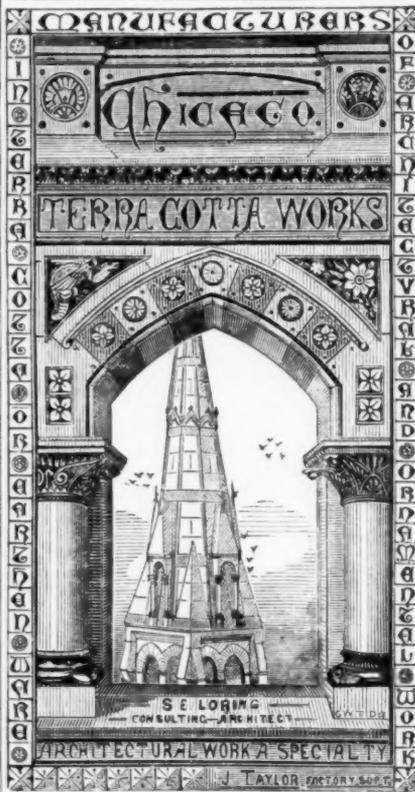
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**REMOVING THE CAPITOL FROM ALBANY.**—The following preamble and resolution were presented on the 27th inst. to the New York Board of Aldermen:—

Whereas, The Legislature has now before it a bill providing for the removal of the State Capitol Buildings from Albany to this city; and,

Whereas, This the great metropolis of the Empire State, judged by its location and its many great commercial advantages, is the proper place for the same: therefore, be it

Resolved, That this Common Council, in behalf of the citizens of the city of New York and for themselves, request his Honor the Mayor to urge the Sinking Fund Commissioners to tender on behalf of this city sufficient ground in Washington Park or Square, or any other property owned by the city, to be at the option of the State authorities, as a site for the erection of the State Capitol Buildings; and said Commissioners are hereby respectfully requested and directed to use all honorable means before the Legislature now in session to carry this resolution into effect.

**A CHAPEL ROYAL.**—The old Chapel Royal of George IV.'s Pavilion at Brighton has been re-opened as a Free Church (Episcopal).

**LONDON LANDLORDS.**—London proper, north and north-west of the city boundary, is owned almost entirely by nine noblemen, — three dukes, four marquises, and two earls.

**THE TAY BRIDGE.**—An accident lately happened to the bridge over the river Tay, which we mentioned not long since as the longest bridge in the world. A furious wind had made it impossible for the steamer to take from the bridge the fifty-four workmen who were upon it. The men, knowing the risk to which they were exposed, retreated from the end upon which they were at work; and not long afterward two girders, each measuring 245 feet and weighing 250 tons, which had not yet been securely fastened to their place, were blown down, and in their fall destroyed the pier on which they rested, as well as the next pier. The damage was estimated at about \$15,000.

**DILATORY CONTRACTORS.**—An English gentleman who had been much annoyed by the dilatoriness of a contractor who so delayed finishing a block of houses, that for more than six months the tenants, who were ready to take immediate possession, were prevented from entering or occupying the premises, sued the contractor for the rent lost because of the unnecessary delay. A master, however, held that as sundry unimportant extras had been ordered, he was no longer bound to finish the work at the time specified in the contract. The moral of this is, that in ordering an extra, the assurance of the contractor that it shall not postpone the time of the completion of the work must be secured at the same time, or a definite allowance of time must be fixed for it, unless, as commonly is the case, there is a provision in the contract to cover such delays.

**BUILDING INTELLIGENCE.**

Summary of the Week.—Reports from the Principal Cities of the Country.

[Reported for the American Architect and Building News.]

**New York.**

**BUILDINGS PROJECTED FOR WEEK ENDING MARCH 28.**—These are 42 in number; stores, tenements, French flats, dwellings, and stables,—18 brick, 22 brick and stone, 1 brick and iron, and 1 wood. Situated on 6th, W. 16th, W. 17th, E. 17th, E. 37th, E. 30th, E. 48th, E. 56th, E. 57th, E. 67th, E. 70th, E. 109th, Division, Pitt, Allen, James, Marion, and Columbia Streets, and 1st and 4th Avenues. Total value, \$341,000.

Owners.	Architects.	Builders.
Adam Shepp.....	F. W. Klempe.....	.....
F. Schuck.....	J. Brandt.....	.....
P. Puels.....	J. Boeckell.....	.....
J. Lawer.....	J. Boeckell.....	.....
T. Philan.....	W. Graul.....	.....
J. Boeckert.....	W. Jose.....	.....
J. Malou.....	F. S. Barns.....	.....
W. Livingston.....	F. S. Barns.....	.....
S. Mendel.....	B. Snook.....	.....
A. M. & W. McLittie.....	A. Gilman.....	.....
S. Darragh.....	D. & J. Jardine.....	.....
M. Haunell.....	J. Slewin.....	.....
Farley & McCabe.....	J. Farley.....	.....
J. Frame.....	Thom & Wilson.....	.....
Stein & Kinney.....	Thom & Wilson.....	.....
F. Habermann.....	Thom & Wilson.....	.....
F. Habermann.....	Buddell Bros.....	.....
P. Sieberz.....	J. Boeckell.....	.....
A. Kaubicy.....	J. Boeckell.....	.....
A. Kaubicy.....	J. Boeckell.....	.....
H. R. & F. A. Horgan.....	A. Crooks.....	.....
H. Lewis.....	C. Boden.....	.....

- \* Seven stores and tenements, E. 57th Street..... \$49,000. Brick and stone.
- † French flats, E. 17th Street..... 70,000. Brick.
- ‡ Six first-class dwellings, E. 56th St. 90,000. Brick and stone.
- § Four first-class dwellings, E. 57th Street..... 32,000. Brick and stone.
- ¶ Two tenements, E. 48th Street..... 24,000. Brick.

**THE NEW PRODUCE EXCHANGE.**—At a recent meeting of the members of the Produce Exchange, the President said the general sentiment was in favor of a new building. A resolution was offered approving of the proposed undertaking, "provided that the cost of the site and building shall not exceed \$1,000,000; also, that the building shall be located below Wall Street, and that no additional power to increase the annual assessment be conferred upon the Board of Managers." A member said it was unnecessary to go to such expense. The present building could be improved by an outlay of \$50,000 or \$100,000, and every accommodation that members could reasonably ask for would then be furnished. Another member reviewed the origin of the surplus fund of the Exchange, showing that it had always been considered sacred to the purposes of a building fund. He felt assured that a new building could be put up without increasing the present assessment on members, and the rental thereof would be a source of profit to the Exchange. The matter will be voted upon in about three weeks.

**Brooklyn.**

The new public bath at the foot of North Sixth Street, said to be the largest ever constructed in Brooklyn, is nearly completed. Work was begun on it Feb. 14, and has been rapidly pushed since then. It will accommodate two hundred bathers at one time, the dimensions being 94 x 64 feet, and the cost will be about \$13,500.

**St. Louis.**

**BUILDING-PERMITS.**—Twenty permits have been issued for the week ending March 26, all for brick buildings, with brick or stone fronts.

Thirteen of these will cost less than \$2,500. The rest are as follows: J. L. January owner, J. W. Givens contractor, cost \$9,000; G. Fobergunne, \$7,000; Mrs. Leverecht, \$2,500; Dr. Vanzandt, Kempin and Chapman builders, \$3,000; M. Wagner, H. Kotte builder, \$3,500; C. Hoppe, \$4,500; J. L. Turner, \$8,900.

**Chicago.**

**BUILDING-PERMITS.**—Number of permits for new buildings, alterations, and moving, for the week ending March 24, 32.

The following were for buildings of two stories and more:—

C. S. Erickson, two-story and basement brick dwelling, 20 by 39 feet, 248 West Erie Street.

F. A. Stevenson, two three-story and basement brick dwellings with stone fronts, each 23½ by 86 feet, Nos. 482 and 484 North Clark Street. A. Bauer, architect. To cost \$14,000.

H. A. Christy, two-story and basement brick dwelling, 25 by 46 feet, West Washington Street, near Leavitt.

J. Gaisler, two-story brick shop, 18 by 20 feet, 172 Hastings Street.

Geo. A. Springer, four-story and basement brick store, 20 by 80 feet, 20 LaSalle Street.

James D. Milliken, two-story and basement brick dwelling, 22 by 36 feet, 172 Vernon Avenue.

F. H. Hill and Co., four-story and basement factory, 40 by 60 feet, 292 and 294 Franklin Street.

H. Mimskin, two-story and basement addition, 16 by 20 feet, 505 West Sixteenth Street.

**Boston.**

**BUILDING-PERMITS.**—But few permits have been granted since our last report: several of these are, however, for buildings of larger dimensions than are usually reported.

**WILLIAM CARPENTER** has taken out permits for the erection of two buildings for mercantile purposes, on Richmond Street, near Atlantic Avenue. They will be respectively 40 x 92 and 58 x 64.

**DWELLING.**—Messrs. Peabody and Stearns are engaged to erect a house for Mr. T. Albert Taylor, on Boylston Street near Dartmouth. It will be four stories in height with a mansard roof. Messrs. Woodbury and Leighton are the builders.

**THE N. E. FELT ROOFING CO.** will erect a building 24 by 34 (with two wooden ells), for the distillation of tar used in the manufacture of their goods. John K. Pike is the builder.

**A SIX-STORY BUILDING** 20 by 87 with elevator, for mercantile purposes, will be built for William H. Slocum, at 42 Chauncy Street, by Standish and Woodbury.

**BEACON PARK IMPROVEMENTS.**—The City Council has authorized the contemplated alterations and new buildings at Beacon Park. These include improvements to the hotel inside the ground, and the erection upon one end of a new grand stand 176 x 32, and also the building of horse-sheds occupying an area of 1,425 by 18 feet. The old grand stand will be utilized for the storing of hay, &c. John F. Bacon is the builder.

**WOODEN BUILDINGS.**—Among the permits for wooden buildings are the following: Noah Mayo, Maverick Wharf, Summer Street, building 180x50 (two stories), for the packing and storage of fish; W. F. Warren, the abattoir near Market Street, horse-shed 82x20; and Patrick Donahue and A. P. Wheelock, dwellings.

George M. Starbird will build a block of five three-story wooden dwelling-houses on High Street, Charlestown District; also two houses on Walker Street, Charlestown.

C. A. Richards has taken out a permit for

the erection of a wooden building, 52 x 165, for the storage of cars of the Metropolitan Railway Company.

**ADDITIONS AND ALTERATIONS.** These are in excess of what they were a year ago, and occupy the attention of our architects to a considerable extent. During the past week the applications have numbered upwards of fifty.

**Cincinnati.**

**THE NEW DRY-GOODS STORE.**—Mr. McLaughlin has just completed his plans for the new dry-goods store of John Shillito. The building will have a total of near 500 feet street front, designed in the style peculiar to Mr. McLaughlin; pressed brick front, with just enough of Ohio freestone to serve for caps and sills; there will be no breaks on the front; the cornice will be straight. Eighteen dwelling-houses will have to be torn down in order to make room for the building.

**GOVERNMENT BUILDING.**—Work has been resumed on this building. During the winter the first tier of iron joists has been laid, and the outside walls of red granite facing with brick backing have been carried to a height of about six feet above the street, all of which gives the building a somewhat formidable appearance. The seven derricks are to be hoisted up some forty feet.

**BUILDING-PERMITS.**—From March 8 to March 24, there have been thirty eight building-permits issued by the Board of Public Works. Of these twenty-three were for alterations, additions, etc., at an estimated cost of \$14,000. Two were for frame houses, estimated cost \$2,600; and thirteen for brick houses, estimated cost \$107,000.

**Indianapolis.**

The coming building-season promises to be as dull as the past one has been, although most of the architects have been busily engaged on work out of the city. Mr. Bunting was the successful competitor in the Davis County Court-House. This design is classic, and is estimated to cost \$100,000. Mr. Bunting is the architect of the Crawfordsville Court-House, which is classic design, costing \$150,000, and is built of stone.

The most important public work in progress here now is the Marion County Court-House, under the supervision of the architect, Isaac Hodson. It is designed in the French Renaissance, is built of native stone, and is estimated to cost \$900,000. It is to be fire-proof throughout. Scott & Nicholson are the contractors for the stone work, Haugh & Co. the iron work. Mr. Hodson was selected for this important work without competition. The fresco work is being done by a St. Louis firm in a very elaborate manner.

**Fall River, Mass.**

**ENGINE-HOUSE.**—The contract for building the engine-house on the corner of Eightrod Way and Warren Street has been awarded to Manly & Nicholson of this city, their bid being the lowest, \$17,735. The highest bid was from Stewart & Co. of Boston, which was \$21,555.

**Windsor Locks, Conn.**

**NEW CONGREGATIONAL CHURCH.**—The contract for the new \$20,000 Congregational church has been given to John C. Mead of Hartford. It will be of brick with Ohio stone trimmings, and Gothic in style, 78 by 42 feet, 42 feet to the ridge, with walls 22 and a steeple 134 feet high, and a seating capacity of 320; the organ will be behind the pulpit. The 31 by 58 feet chapel in the rear will accommodate 125 persons, and it is to have a nicely furnished 12 by 29 feet parlor at the north end, and like the church will be finished in solid butternut. The chapel will be ready Aug. 1, and the church Sept. 1.

General Notes.

SALEM, MASS. — The School Board has passed a vote favoring the erection of a new school-house in place of the one now occupied by the Phillips Primary School.

ROUNDT, N.Y. — There are prospects of a considerable improvement in building-matters in Roundt and its vicinity this season.

JEWISH TEMPLE. — The new temple of the B'nai Shalom Congregation, in other words "The Sons of Peace," on Michigan Avenue, between Fourteenth and Sixteenth Streets, Chicago, was formally dedicated on Sunday afternoon.

Publishers' Department.

The American Architect and Building News.

PUBLISHED WEEKLY BY JAMES R. OSGOOD & CO., WINTHROP SQUARE.....BOSTON.

A JOURNAL OF CONSTRUCTIVE AND DECORATIVE ART, DEVOTED TO THE INTERESTS OF ARCHITECTS, BUILDERS, DECORATORS, ETC.

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(Copy.)

N. Y. CHAPTER OF THE AMERICAN INSTITUTE OF ARCHITECTS, 128 BROADWAY (COR. CEDAR STREET), NEW YORK, JAN. 16, 1877.

MESSES. JAMES R. OSGOOD & CO.

Gentlemen. — At the close of the first year of the American Architect and Building News we desire to express our satisfaction at its establishment, and at the way in which it has been conducted.

It would be a great gratification to us if it could also be made, as it deserves to be, the customary and recognized channel of communication, through its correspondence and its advertising columns, between architects, the makers of building-appliances, and the public.

You are at liberty to make any use of this communication that you may judge best adapted to forward the interests of the journal. — interests which are in our judgment also those of the profession itself.

- Very respectfully yours, R. M. HUNT, HENRY DUDLEY, CHARLES C. HIGHT, EDWARD H. KENDALL, HENRY FERNBACH, WM. A. POTTER, EMLEN T. LITTELL, R. M. URJOHN, CARL PEEFFEYER, GEO. E. HARNEY, NELSON L. DERBY, A. J. BLOOR, CHARLES F. MCKIM, H. HUDSON HOLLY, HENRY M. CONGDON, H. J. HARDENBERGH, CHAS. D. GAMBRILL, JOS. SANDS, CHAS. W. CLINTON, R. H. ROBERTSON, R. G. HATFIELD, O. P. HATFIELD, GEO. B. POST.

PROVIDENCE, March 8, 1877. MESSRS. JAMES R. OSGOOD & CO.

We the undersigned, members of the Rhode Island Chapter, A.I.A., heartily unite in the indorsement of the excellence of the American Architect and Building News, and in the recommendation to the public and the makers of building-appliances to make its columns the medium of communication with architects.

- ALP. C. MORSE, C. E. CARPENTER, ALFRED STONE, GEO. C. MARON, JUN., C. P. HARTSHORN, GEO. W. CADY, E. I. NICKERSON, CHAS. F. WILCOX.

BOSTON, FEB. 1, 1877. We the undersigned, members of the Boston Chapter of the American Institute of Architects, cordially subscribe to the foregoing indorsement of the excellence of the American Architect and Building News.

- E. C. CABOT, JOHN H. STURGIS, C. A. CUMMINGS, W. T. SEARS, H. W. HARTWELL, JOS. E. BILLINGS, F. H. MOORE, GEO. R. SHAW, CHARLES BRIGHAM, A. C. MARTIN, JOHN A. FOX, WM. R. WARE, N. J. BRADLEE, HENRY VAN BRUNT, R. G. SHAW, F. W. CHANDLER, ALBERT G. SWASEY, ROBT. S. PEABODY, JOHN G. STEARNS, LOUIS WEISSBERG, ALEX. R. ESTY, GEORGE SNELL, GEORGE A. CLOUGH, S. J. F. THAYER.

(Copy.)

N. Y. CHAPTER OF THE AMERICAN INSTITUTE OF ARCHITECTS, 128 BROADWAY (COR. CEDAR STREET), NEW YORK, JAN. 18, 1877.

PRESIDENT MECHANICS' AND TRADERS' EXCHANGE. Dear Sir, — At a meeting of this Chapter held on the 16th inst. action was taken on the subject of the weekly journal entitled the American Architect and Building News; and I was directed to communicate with you, and to suggest that the building-interests generally would be likely to be advanced if that serial should be made, as it deserves to be, the customary and recognized channel of communication, through its advertising columns, between the manufacturers and venders of building-appliances and the public.

Both architects and the general public are apt to throw cards and circulars into the waste-paper basket; but if their contents were advertised in the above-mentioned journal they would be in permanent shape, handy and easy of reference.

The address of the American Architect and Building News is Cathedral Building, Winthrop Square, Boston, Mass.

Hoping that you will take some pains to interest the members of your organization in the subject, I am Yours respectfully, A. J. BLOOR, Secretary.

Letters from other sources.

From the number of letters received since Jan. 1, renewing subscriptions to the ARCHITECT, we take the following extracts: —

TOLEDO, O., JAN. 10, 1877.

JAMES R. OSGOOD & CO., Boston. Gentlemen. — We enclose you postal order for \$6, for our subscription of the Architect and Building News. We beg to congratulate you on the success of the paper; and to give you an idea of our opinion of it, we would say that we would not be without it in our office, if it cost \$25 instead of \$6 a year.

A Massachusetts subscriber: "I got more useful hints and valuable building information out of the fifty-three numbers of last year, than I ever did from any six dollars I have spent for similar purposes during the past decade."

A dealer in building-materials: "I have found your paper a valuable advertising medium, tracing several large sales directly to the card in your columns. Were your prices troubled I should consider it a cheap medium."

Another of the same: "Your paper reaches the very classes I desire to reach. It is on the whole cheaper, more direct, and more satisfactory than circulars, upon which I had principally depended before your agent called upon me."

CLASSIFIED ADVERTISEMENTS.

Table listing various categories of advertisements such as ARCHITECTS, ARCHITECTS' AND ENGINEERS' STATIONERY, ARCHITECTURAL BOOKS, ARCHITECTURAL IRON WORK, BLINDS, BRICK, BRONZE DECORATIONS, BUILDERS AND REAL ESTATE IMPROVERS, BUILDERS' HARDWARE, BUILDERS IN IRON, BUILDING STONE, CABINET FURNITURE AND UPHOLSTERY, CEMENT, CHURCH FURNITURE, CONTRACTORS AND BUILDERS, CLOCKS FOR PUBLIC BUILDINGS.

DESIGNING AND WOOD ENGRAVING.

Table listing various services and companies such as W. J. DANA, BRAIN PIPE, ELECTRIC BELLS, ANNUNCIATORS, ELEVATORS, FELT ROOFING, FIRE-PROOF BUILDINGS, FURNITURE AND DECORATION, GALVANIZED IRON CORNICES, GAS FIXTURES, GAS MACHINES, IRON BRIDGES, IRON MERCHANTS, IRON WINDOW SASHES, LOCK AND BRONZE HARDWARE, MARBLE FLOORING TILES, SCAGLIOLA AND MAREZZO MARBLE, MARQUIS BASKET HOPPER, ORNAMENTAL AND CUT GLASS, ORNAMENTAL BRONZES, ORNAMENTAL IRON WORKS, PAINT, PAPER HANGINGS, PARLOR GRATES, PARLOR GRATES, BRASS FENDERS AND IRONS, PLUMBERS, PORTLAND CEMENT, SHUTTERS (ROLLING WOOD), SHUTTERS (STEEL), SPRING HINGES, STAINED GLASS, STEAM HEATING APPARATUS, STONE DRESSING WORKS, TERRA COTTA WORKS, THE USEFUL, TILES, VENTILATION, WELLINGTON'S PATENT WASH-BOWL, WOOD CARPETING.

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Concerning Agents.

Subscribers to the American Architect are reminded that they should pay no money to canvassers or agents of the paper, who have not a special indorsement from us. The publishers will not be responsible for the delivery of the papers unless ordered through their regularly authorized agents.



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 L. J. Tillotson & Co., 8 Dey st.; O. A. Nathaniel, 229 Bowery; B. L.  
 Solomon & Sons, 659 Broadway; E. R. Krumm, 121 Essex street;  
 Chas. E. Kugler, 19 Division st.; Speyer Bros., 140 Bowery; W. F.  
 Hubinger, 188 Grand st.; C. A. Stock, 116 Wooster street.  
**Brooklyn, (E. D.) N. Y.**—Hermann Weber, 134 Graham st.  
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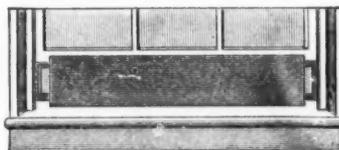
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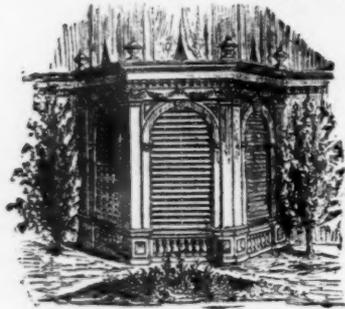
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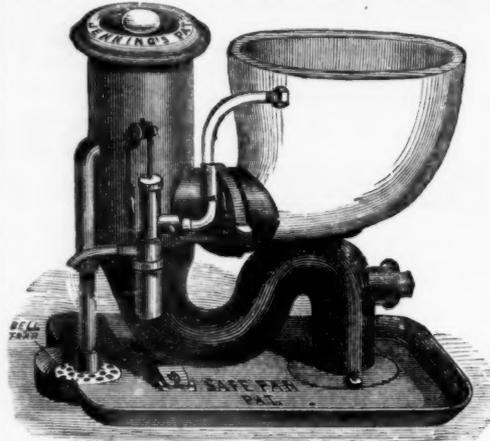
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**PROPOSALS.**

**DAM.**  
 CITY OF BOSTON, CITY HALL,  
 BOSTON WATER BOARD OFFICE,  
 April 3, 1877.

Sealed proposals indorsed "Proposals for building Dam  
 No. 1 on Sudbury River," will be received at this office  
 until 12 o'clock, a. m. of Thursday, the nineteenth day of April,  
 1877, at which place and time they will be publicly opened  
 and read.

Bidders are required to state in their proposals their names  
 and places of residence, and to declare that the proposal is  
 in all respects fair, and made without connection or collu-  
 sion with any other person making proposals for the same  
 work. They will give a price for each separate item of the  
 work, by which the bids will be compared.

The prices proposed must be stated both in writing and in  
 figures, and all proposals containing bids not called for in  
 this advertisement will be considered informal. Each bid  
 must be signed by the bidder and accompanied by a written  
 bond for \$2,500, of a responsible person, giving his place of  
 business or residence, and conditioned for the execution of  
 the contract (with a satisfactory bond for its performance)  
 within the time specified in this advertisement, in case the  
 bid be accepted,—or, in lieu of the bond, to accompany the  
 bid, a sum of money or other satisfactory collateral security  
 in the same amount may be deposited with said Water  
 Board; but the bond for the performance of the contract  
 must be a written bond with satisfactory sureties.

The person or persons to whom contract may be awarded  
 will be required to appear at this office, with the securities  
 offered by him or them, and execute the contract within four  
 days (not including Sunday) from the date of notification  
 of such award, and the preparation and readiness for the sig-  
 nature of the contract.

The work is to commence within ten days after the exe-  
 cution of the contract, and to be continued with regularity  
 until its completion, which completion must be before the  
 first day of November, 1877.

The bids will be compared on the basis of the engineer's  
 approximate estimate of quantities of work to be done,  
 which is as follows:—

12,000 cubic yards of earth excavation.	900	"	"	soil dressing.
	350	"	"	broken stones, placed.
	100	"	"	cement concrete.
	60	"	"	brick masonry.
	250	"	"	pipelining.
	600	"	"	dry rubble stone paving, placed.
	1,900	"	"	rubble stone masonry, in mortar.
	20	"	"	split stone coping, in mortar.
	30	"	"	floor paving, in mortar.
	1,250	"	"	cut dimension stone masonry, in mortar.
2,800 square feet of face dressing of six cut work.	8,500	"	"	pointed work.
		"	"	3 M. ft. B. M. spruce lumber, placed.

Specifications may be obtained at the Office of the City  
 Engineer, City Hall, Boston, and plans may be seen at the  
 Engineer's Office of the Boston Water Works at South  
 Framingham.

The amount of the bond required will be such sum as may  
 be fixed by the Water Board, after the proposals are opened;  
 said sum not to be less than one-fourth nor more than two-  
 thirds of the amount of the contract.

The Water Board reserves the right to reject any or all  
 bids, should it deem it to be for the interest of the City of  
 Boston so to do.

T. T. SAWYER,  
 Chairman Boston Water Board

**IRON PIER.**  
 U. S. ENGINEER'S OFFICE,  
 1328 CHESTNUT STREET,  
 PHILADELPHIA, PENN., March 21, 1877.

Sealed proposals, in duplicate, will be received until 12  
 o'clock, noon, of Monday, the sixteenth day of April, 1877,  
 for Iron for Landing Pier near Lewis, Del.

Drawings can be examined and further information ob-  
 tained at this office.

J. D. KURTZ,  
 Lieutenant-Colonel of Engineers.

**CHURCH.**—Sealed proposals will be re-  
 ceived at Versailles, Ky., until April 17, at two o'clock,  
 P.M., for the construction of the new Presbyterian Church.  
 Drawings and specifications are now on file at the office of  
 Meriary & Seller, where bids will be received either in the  
 aggregate or in detail up to that date. By order of Building  
 Committee.

H. BROWN, Chairman.

**PROPOSALS.**

**CITY HALL.**—Sealed proposals for the fol-  
 lowing work and materials will be received by the  
 Board of New City Hall Commissioners of the city and  
 county of San Francisco, Cal., in the room of the Board  
 of Supervisors, Tuesday, April 17, 1877. 1st, Iron stair-cases  
 and Steps and other Ironwork, to be completed in 22 weeks.  
 2d, Excavations, Drain-pipes, Brick Paving Brickwork, to be  
 completed in 12 weeks. 3d, Corrugated Iron Arching (at  
 per foot super), to be completed in 13 weeks; and Iron Fur-  
 ring and Lathing (at per foot super), to be completed in 20  
 weeks. 4th, Concrete over Corrugated Iron Arches, at per  
 cubic yard for Stone and Brick Concrete, to be completed in  
 15 weeks. 5th, Tin Air Flues and Galvanized Iron Piping  
 at per foot super for Air Flues, and per foot lineal for  
 Piping, to be completed in 10 weeks. 6th, Wood Flooring,  
 Studding, and Furring, etc., to be completed in 18 weeks.  
 7th, Cement at per barrel, in quantities from 500 to 5,000  
 barrels, either Portland or Eastern, Rosendale, of the Hoff-  
 man, Delafield and Baxter, or Newburg brands, to be  
 delivered in 14 weeks, the Commissioner, to have the op-  
 tion of accepting any bid in part up to the extent of not  
 less than 500 barrels. 8th, 25 barrels of Weatherspoon's  
 plaster of Paris, at per barrel, and 45 barrels of superline  
 plaster, at per barrel, to be delivered in one week.  
 GEO. W. THOMAS, Secretary.

**VIADUCT.**—Sealed proposals will be re-  
 ceived at the office of the Board of Improvements,  
 Cleveland, O., until 12 o'clock, May 10, 1877, for the labor and  
 materials necessary for the erection and completion of that  
 portion of the Superior-street Viaduct located between the  
 westerly line of Water Street and the abutment of the first  
 arch of said Viaduct west of the Cuyahoga River. The  
 superstructure, which is to be of iron with masonry founda-  
 tion, will consist of six fixed spans of 600 feet aggregate  
 length, and one draw or pivot bridge, 232 feet long. Plans  
 and specifications can be seen, and blank proposals obtained,  
 at the office of the City Civil Engineer, after April 26, 1877;  
 and all proposals must be made upon the blanks prepared  
 and furnished by the City Civil Engineer.

Bids will be received for the iron and mason work sepa-  
 rately. The city invite plans and proposals for the super-  
 structure from any and all responsible parties of well-  
 known reputation as designers and builders of iron bridges.  
 All plans and proposals thus submitted to conform to the  
 specified length, width, height, and strength of said struc-  
 ture, and to be accompanied with full and accurate details  
 and specifications for the same. To all parties desiring to  
 submit plans and details as above, blank proposals, with  
 general specification, maps, and profile will be furnished  
 immediately on application to the engineer. The city  
 reserves the right to accept any or reject all bids.  
 B. F. MORSE, City Civil Engineer.

**TO BUILDERS.**—Sealed proposals will  
 be received by the undersigned at the store of F. O.  
 Gates, in the village of North Bend, Hamilton County,  
 O., up to 12 o'clock, noon, of MONDAY, April 9, 1877, for  
 the furnishing of the material, and the erection of a Town Hall  
 and Schoolhouse on the village lot, in said village of North  
 Bend, in accordance with plans, detail drawings, and speci-  
 fications on file in the office of E. Williams, architect,  
 north-west corner of Fourth and Race Streets, Cincinnati.

Each bid must contain the name of every person inter-  
 ested therein, and be accompanied by a bond in the sum of one  
 thousand dollars, of some disinterested person, that if the  
 bid is accepted a contract will be entered into, and the per-  
 formance of it properly secured. Payments will be made in  
 cash, in monthly instalments of eighty per cent of amount  
 of work done. The right to reject any and all bids is re-  
 served.  
 JOHN S. CONNER,  
 Clerk of Village and Board of Education of North Bend, O.

**SCHOOLHOUSE.**—Sealed tenders addressed  
 to the undersigned Trustees of S. Section, No. 15, Bath-  
 urst, will be received up to the 15th of April at noon, for  
 the erection and completion of a frame schoolhouse according to  
 specifications, which can be seen at the Contractor's office, Perth  
 Cent., and at the houses of the undersigned Trustees. They  
 will not bind themselves to accept the lowest or any tender.  
 BERNARD McOWAN, JAMES KEAYS, ROBERT  
 HUGHES, Trustees, Harper P. O.

**COMPETITIONS.**

**TO IRON-WORKERS.**

The Boston Society of Architects offers a prize of fifty  
 dollars for an ornamental strap-hinge of wrought iron for an  
 outside door. Hinges offered in competition for the prize  
 are to be delivered at the Architectural Rooms of the Massa-  
 chusetts Institute of Technology, in Boylston Street, Bos-  
 ton, addressed to the Boston Society of Architects, with the  
 name of the workman who executed them, before the first  
 Friday in May, for examination at the meeting of the Soci-  
 ety on that day. After adjudication, the approved exam-  
 ples will be on exhibition at the Boston Museum of Fine Arts.  
 Blacksmiths and workers in wrought iron throughout New  
 England are invited to compete. The essential part is the  
 spreading or foliated part of the hinge, such as frequently  
 appears on church doors, and is to be wrought by forge and  
 hand-work entirely; but it must be an actual hinge, and not  
 a mere plate to screw upon the door. For further particu-  
 lars see notice in the *American Architect and Building  
 News* for March 24, 1877.

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BUILDING MATERIALS. THE NEW YORK MARKET. WHOLESALE PRICES.

Table with columns for material type (BRICK, CEMENT, FIRE BRICK, DOORS AND BLINDS) and price details.

Table listing various types of bricks and their prices, including Rosevale, Portland, Roman, and Keene's coarse.

Table listing fire bricks from various sources like No. 1 Boston, Waldo Bros. Extra, etc.

Table listing doors and blinds, including raised panels and moulded doors.

Table listing inside blinds and window frames, including lath and lime.

Table listing various types of lime (State, Rockland, Ground) and their prices.

Table listing different grades of lumber (Pine, Spruce, Hemlock, etc.) and their prices.

Table listing various types of paint and oil, including Paris white, Zinc white, etc.

Table listing building hardware such as nails, axle pulleys, sash weights, and sash lines.

Table listing door butts and mortise locks, including Japanned Acorn and Plain Bronzed Iron.

Table listing slate products (Purple roofing slate, Green slate, etc.) and their prices.

Table listing solders and tin plates, including No. 1, No. 2, and various tin plate types.

Table listing zinc and lead products, including duty sheet and gold foreign.

BOSTON.

PRICES TO CONTRACTORS AND BUILDERS.

Table listing fire bricks and building bricks, including Eastern, light hard, and Eastern, soft.

Table listing lumber products like Michigan pine, Saps, Black walnut, and various types of shingles.

Table listing various types of paint and oil, including Paris white, Zinc white, and Ochre.

Table listing lime products, including State, Rockland, and Ground lime.

Table listing building hardware such as nails, axle pulleys, sash weights, and sash lines.

Table listing door knobs, sash fasts, screws, and store door handles.

CHICAGO.

PRICES TO CONTRACTORS AND BUILDERS.

Table listing brick, lime, and cement products, including Lime in bulk and Building brick.

Table listing various types of lumber, including First and second clear, Third clear, etc.

Table listing various types of shingles and pickets, including A shingles, standard, and Pickets, square.

METALS AND TINNERS' STOCK.

Table listing various types of metal and tinner's stock, including Tin plate, Zinc, and Galvanized iron.

PAINTS AND COLORS.

Table listing various types of paint and colors, including White Lead, Chrome yellow, and Mineral paints.

OILS.

Linseed, raw, 66 @ 67c.; boiled, 69 @ 70c.

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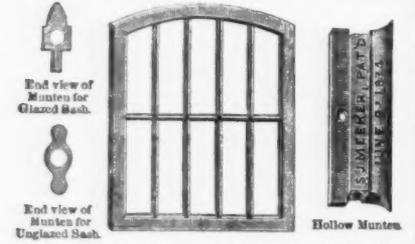
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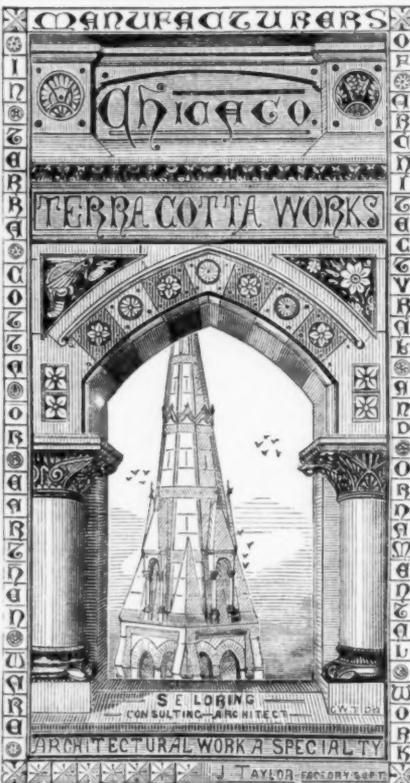
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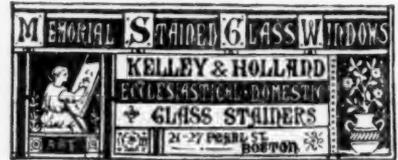
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**TO INTERIOR DECORATORS.**

An excellent advertising Medium for your purposes in the AMERICAN ARCHITECT AND BUILDING NEWS

**A NEW ART REVIEW.**—A review of fine arts, archaeology, literature, and bibliography, to appear twice a month, has just been founded at Geneva by John Carteret.

**"OFF WITH THEIR HEADS."**—The trustees of the East River Bridge have determined to cut away the roofs of houses beneath the roadway of the bridge to a point fifty feet below the roadway, as a protection against fire.

**BUILDING-MATERIALS AT THE PARIS EXHIBITION.**—A commission, the secretary of which is M. Durand-Clave, Professor at the *Ecole des Ponts et Chaussées* and at the *Ecole des Beaux-Arts*, is organizing an exhibition of building-materials which will have a special interest for architects who may chance to visit the Exhibition of 1878.

**WALNUT TREES.**—Walnut trees sometimes attain prodigious size and great age. An Italian architect mentions having seen at St. Nicholas, in Lorraine, a single plank of the wood of the walnut, twenty-five feet wide, upon which the Emperor Frederick III. had given a sumptuous banquet. In the Baidar Valley, near Balaklava, in the Crimea, stands a walnut tree at least one thousand years old. It yields annually from eighty thousand to one hundred thousand nuts; and belongs to five Tartar families, who share its produce equally.

**AN ANTI-CORROSION COATING FOR IRON.**—Mr. Barff, Professor of Chemistry to the Royal Academy, has discovered that if any iron article is exposed at a high temperature, to the action of superheated steam, it will become covered by a film of the magnetic or black oxide of iron of a thickness which is determined by the degree of temperature and by the length of exposure. This oxide is harder than the original iron, and adheres to it even more firmly than the particles of iron adhere to each other, so that there is a gain not only in chemical but also in mechanical resistance. If the operating chamber is heated only to 500° Fah., and the exposure is continued for only five hours, a surface is obtained which will resist emery-paper for a considerable time, and which will not rust within doors, or after any moderate degree of exposure to moisture. If the oxidizing process is conducted at 1,200° Fah., and continued for six or seven hours, the surface will resist a rasp, and will bear any amount of exposure to weather. The oxidation does not affect the appearance of the surface in any other way than by turning it black. A rough forging retains its roughness, and a turned or polished surface retains its smoothness. If there should be any flaw in the coating, or if the black oxide is designally removed from part of the surface, the common oxidation will occur where the iron is thus left unprotected. But such oxidation is strictly limited to the unprotected portion, and has not the smallest tendency either to spread laterally under the black oxide, or to detach this from the subjacent parts.

## BUILDING INTELLIGENCE.

Summary of the Week.—Reports from the Principal Cities of the Country.

[Reported for the American Architect and Building News.]

### Boston.

Affairs have taken a decided start, and the building-prospects are brightening every day.

During the past week, nineteen permits have been issued for wooden dwellings, which are to be built by the following builders: G. M. Starbird, J. Quirk, J. A. Smith, Frame & Patten, J. Coakly, S. N. Davenport, G. S. Prior.

Thirteen of these buildings are for dwellings, nine of them being three stories high; five are for stables, and one for a storage-shed.

Two two-story brick stores are to be built by W. Carpenter. One four-story brick store is to be built by G. W. Meserve.

Six three-story dwellings are to be built by C. Lord.

One four-story brick store is to be built by A. H. Caton, W. G. Preston, architect.

One four-story brick tenement is to be built by J. and H. M. Harmon, C. Fehmer, architect.

Two three-story brick dwellings are to be built by F. H. Tarbox.

Sixty-four permits for alterations and repairs have been issued; twenty-three for brick buildings, one for stone, and the rest for wood.

Of these buildings, twenty-seven are now used for dwellings, eleven for stores, four for storage, and three for hotels, the rest for miscellaneous purposes.

Most of the alterations are unimportant.

**A NEW CATHOLIC CHURCH** at the North End, at the corner of Endicott and Thacher Streets, recently built to replace St. Mary's Church, whose name it takes, is almost completed. The building is of red brick and granite in the Roman style of architecture. The front on Thacher Street is flanked with two towers, each 170 feet high, and surmounted with a cupola finished with galvanized iron. The extreme depth of the church is 186 feet, the width 74 feet, and the extreme height of central arch or nave ceiling is 68 feet. The windows are of enamelled glass, with geometrical figures, finished with gray and gold tints. The altar is one of the finest in the country, and is said to have cost \$13,000. Some twenty kinds of marble are used in the interior decorations. The principal paintings represent the Immaculate Conception, the Annunciation, and Assumption. The body of the church will seat 1,800 persons, and the galleries can be used when that is full. The structure will cost about \$200,000. It was built in accordance with designs prepared by Mr. P. C. Keely of Brooklyn, N.Y. In connection with the church is being constructed a parsonage, three stories in height, which will contain 42 rooms.

### Brooklyn.

Permits for the erection of sixteen new buildings have been granted by the Department of Fire and Buildings during the week ending March 31.

### Cincinnati, O.

The Messrs. Emery are building several important buildings, among them a block of three stores, with dwellings over, on Fifth and John Streets; a five-story stone store 31' x 67' on Third Street; a four-story brick hotel on Sixth and Race Streets. Mr. Joseph Longworth is building on Central Avenue and Clark Street a block of nine brick stores, three stories high with mansard. The style of the architecture is a modified Gothic. The bricks will be laid in ornamental patterns, and protected by a ledge

of stone. Each of the subdivisions of the façade will have a gable and interrupted cornice. The roof will have a steep pitch, and will be covered with black and red slate in ornamental patterns. The finish will be of hard wood throughout, and on the second and third floors will be ten dwellings. The corner will be ornamented with a circular oriel window, beginning at the second story and surmounted by a tower.

A style somewhat similar to this has been adopted by Mr. John E. Bell, for a building which he proposes to erect at the corner of Central Avenue and Eighth Street. It will be a brick and stone building of three stories and an attic, and will contain four stores and three dwellings.

### Cleveland, O.

The following persons obtained from the Board of Improvements during the week ending March 28, permission to occupy the streets named for building purposes: M. Hitchcock, build on premises owned by W. P. Southworth, on the corner of Sheriff and High Streets; Griese & Welle, premises of F. Halle on Erie Street; same, premises of S. Newmark on Woodland Avenue; — Ward, premises of H. Kelley on Superior Street.

### Minneapolis, Minn.

An opera-house will be erected in Minneapolis this season. Work on the foundations has already commenced. It will enclose an area of 88' x 157', and will seat about 2,000 persons. The walls will be faced with pressed brick, relieved with iron and stone work. It will have slate roof. The plans were prepared by L. S. Buffington. Estimated to cost about \$100,000.

### Newport, R.I.

There are some improvements in this city worthy of mention. The fine brick house for Mr. W. C. Rives of Boston, on Red Cross Avenue, is rapidly approaching completion. A very neat house has just been commenced for Mrs. Gen. G. W. Cullum of New York. The villa of Mr. A. A. Low of New York is the finest which has been built here for some time. It is very large, 43 feet by 57 feet, with an addition 31 feet by 34 feet. Wide piazzas run around all the water fronts; and the hall, which is 18 feet wide and 50 feet long, runs through the house. Opposite to the villa of the late Charlotte Cushman, a neat cottage in the Queen Anne style is nearly completed for Mr. Herman W. Bruen of New York. An unpretending summer residence is nearly completed for Hon. George H. Pendleton of Cincinnati.

### New York.

**CITY HALL PARK.**—A contractor has submitted a plan for the proposed improvement of the City Hall Park, which is receiving favorable attention. It provides for a walk twelve feet wide leading up to the building, two small aquariums in the centre of the ground, and two large shade-trees on each side of the entrance to the building. Fancy artificial flagging will cover the entire space, taking the place of the grass-plats.

**MUSEUM OF NATURAL HISTORY.**—The Park Commissioners have received bids for flooring the Museum of Natural History with encaustic tiling, and also for furnishing cases for the collections in the same building. The highest bid for the tiling was from a company which proposes to furnish American tiling for \$26,375. The lowest bid was for \$18,950, English tiling to be used. The highest bid for cases was \$19,610; the lowest, \$10,935. No contracts were awarded.

**COLUMBIA COLLEGE.**—It is said that there is an immediate need of new buildings for Columbia College, since it possesses a valuable library and collections in natural history which should be protected in a fire-proof building.

**INSECURE BUILDING.**—Capt. Caffrey of the Fifth Precinct, while passing the old brick building on the north-west corner of Leonard Street and West Broadway lately, noticed that the east wall was settling, and that the whole building threatened to fall in a short time. He ordered the occupants to move out. Supt. Adams of the Building Department approved the action of Capt. Caffrey, and ordered the building to be torn down at once. It was used as a tenement, and is about forty years old.

**FRENCH FLATS.**—John G. Carey has asked permission of the Department of Buildings to erect a brick and stone building, to be used for French flats, on Forty-second Street, near Seventh Avenue. The cost is estimated at \$19,000. It is also intended to erect a building for similar purposes on Sixth Avenue and Waverley Place, at a cost of \$13,000.

### Rochester, Minn.

Of the several plans for an Inebriate Asylum, submitted to the commissioners last fall, that of L. S. Buffington of Minneapolis was accepted; and the contract for the erection of a part of the building has been awarded to C. Bohm of Winona. The building will be of brick and stone. Work will be begun as soon as the weather permits.

### Stillwater, Minn.

The last legislature appropriated \$35,000 to be expended in erecting additional workshops, yard-walls, and other improvements that are much needed at the States Prison.

### St. Louis.

Thirty-nine permits have been issued for the week ending April 2. Ten of these are for frame structures costing \$1,300.00 and less. The remainder are for brick buildings with brick or stone fronts. Twenty of these will cost less than \$2,500.00 each; the rest are as follows:—

Owner.	Cost.
Mrs. Hatton.....	\$3,000.00
Aug. Knight.....	10,000.00
J. W. Allen, Architect	2,500.00
F. W. Barkholder.....	10,000.00
E. C. Phillips.....	3,400.00
E. D. Hall.....	17,000.00
W. Schader.....	6,000.00
N. Rissé, Contractor..	
W. F. Warmb.....	4,000.00
Mrs. McGaffrey.....	
McWilliams and Mc-Caine, Contractors..	

### Wasca, Minn.

The Catholic societies are preparing to erect St. Francis Academy; size 51' x 78' on the ground, two stories high, with mansard roof and high basement. The walls will be of brick and stone. Estimated to cost about \$20,000. The plans were made by C. G. Maybury, architect, of Winona.

### General Notes.

**THE BLACKWELL'S ISLAND BRIDGE.**—The directors of the New York and Long Island Bridge Company have awarded the Delaware Bridge Company \$1,000 for the best design submitted; \$500 for the second best design, to Clarke, Reener, & Co., of Philadelphia; and \$250 to Flad & Co., of St. Louis, Mo., for the third best design. The design submitted by the Delaware Bridge Company, and adopted by the directors, for the proposed bridge across the East River at the foot of Seventy-seventh Street, and across Blackwell's Island to the Long Island shore, will consist of two main spans of 735 and 620 feet respectively, together with viaduct approaches on the New York and Long Island shores.

**POUGHKEEPSIE.**—Contracts have been given in Pennsylvania for five million feet of lumber for the bridge over the Hudson. The stone for the piers is being cut in Providence, R.I. Carloads of machinery for hoisting and conveying

heavy materials are now arriving, and alto-  
gether the work is progressing as fast as can be  
expected.

TURNER'S FALLS, MASS. — Gilman & Hubbard  
contemplate building a grist and flouring mill  
as soon as the canal is extended to the smaller  
mill sites.

MERIDEN, CONN. — The new organ factory at  
Meriden will be three stories high, and 200 feet  
front on one side and 100 on the other. There  
will also be a two-story building adjoining, for  
engine and drying rooms. C. Rogers & Bros.  
are building a 50 feet by 25 addition to their  
large factory.

RUTLAND, VT. — The Vermont commissioners  
for building a State workhouse or primary  
prison at Rutland have been inspecting Massa-  
chusetts, and getting hints for their work from  
the women's prison at Sherborn and the Bridge-  
water workhouse. They have but \$40,000 to  
expend in building, but expect to make that  
provide quarters for one hundred convicts.

LANCASTER, MASS. — The trustees of the Lan-  
caster Industrial School (the State reformatory  
for girls), have asked the Legislature for \$25,000  
to rebuild the house recently burnt down, and  
make other additions to their buildings.

FALL RIVER, MASS. — A two-story brick store  
50' x 100' is now building for Stewart and  
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NEW YORK, Jan. 16, 1877.

MESSES. JAMES R. OSGOOD & CO.

Gentlemen, — At the close of the first year of the  
*American Architect and Building News* we desire to  
express our satisfaction at its establishment, and at the  
way in which it has been conducted. The excellent  
literary character it has maintained is calculated to  
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that it presents them from a strictly professional point  
of view, it is doing both the profession and the public  
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dence and its advertising columns, between architects,  
the makers of building-appliances, and the public.  
This would be a personal convenience indeed to our-  
selves, as the pages of the journal are more handy and  
easy of reference than cards and circulars.

You are at liberty to make any use of this communi-

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interests of the journal, — interests which are in our  
judgment also those of the profession itself. Wishing  
it every prosperity, we are

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HENRY FERNBACH, CHAS. D. GAMBRILL,  
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NELSON L. DERBY, GEO. B. POST,  
A. J. BLOOR,

PROVIDENCE, March 8, 1877.

MESSES. JAMES R. OSGOOD & CO.

We the undersigned, members of the Rhode Island  
Chapter, A.I.A., heartily unite in the indorsement of  
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News*, and in the recommendation to the public and  
the makers of building-appliances to make its columns  
the medium of communication with architects.

- ALF. C. MORSE, C. E. CARPENTER,  
ALFRED STONE, GEO. C. MASON, JUN.  
C. P. HARTSHORN, GEO. W. CADY,  
E. I. NICKERSON, CHAS. F. WILCOX.

BOSTON, FEB. 1, 1877.

We the undersigned, members of the Boston Chapter  
of the American Institute of Architects, cordially sub-  
scribe to the foregoing indorsement of the excellence  
of the *American Architect and Building News*.

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(Copy.)

N. Y. CHAPTER OF THE AMERICAN INSTITUTE OF  
ARCHITECTS, 128 BROADWAY (COR. CEDAR STREET).

NEW YORK, Jan. 18, 1877.

PRESIDENT MECHANICS' AND TRADERS' EXCHANGE.

Dear Sir, — At a meeting of this Chapter held on the  
16th inst. action was taken on the subject of the weekly  
journal entitled the *American Architect and Building  
News*; and I was directed to communicate with you,  
and to suggest that the building-interests generally  
would be likely to be advanced if that serial should be  
made, as it deserves to be, the customary and recog-  
nized channel of communication, through its advertis-  
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throw cards and circulars into the waste-paper basket;  
but if their contents were advertised in the above-  
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The address of the *American Architect and Building  
News* is Cathedral Building, Winthrop Square, Boston,  
Mass.

Hoping that you will take some pains to interest the  
members of your organization in the subject, I am  
Yours respectfully, A. J. BLOOR, Secretary.

Letters from other sources.

From the number of letters received since Jan. 1,  
renewing subscriptions to the ARCHITECT, we take the  
following extracts:—

TOLEDO, O., Jan. 10, 1877.

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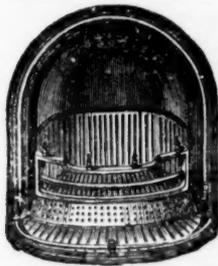
Another of the same: "Your paper reaches the very  
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more direct, and more satisfactory than circulars, upon  
which I had principally depended before your agent  
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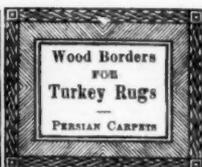
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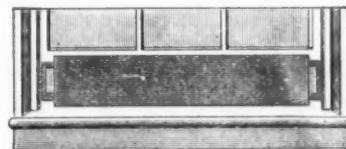
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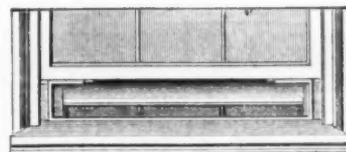
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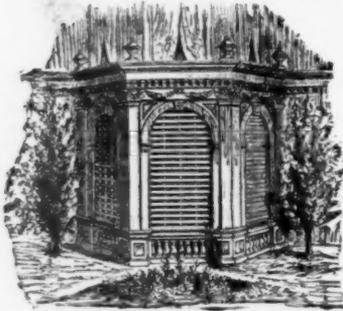
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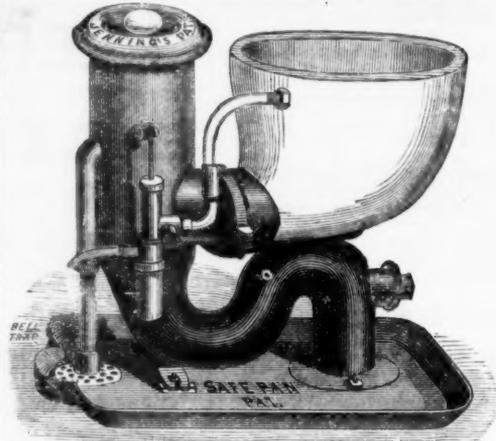
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PROPOSALS.

DAM. CITY OF BOSTON, CITY HALL, BOSTON WATER BOARD OFFICE, April 3, 1877.

Sealed proposals indorsed "Proposals for building Dam No. 1 on Sudbury River," will be received at this office until 12 o'clock, M., of Thursday, the nineteenth day of April, 1877, at which place and time they will be publicly opened and read.

Bidders are required to state in their proposals their names and places of residence, and to declare that the proposal is in all respects fair, and made without collusion or collusion with any other person making proposals for the same work. They will give a price for each separate item of the work, by which the bids will be compared.

The prices proposed must be stated both in writing and in figures, and all proposals containing bids not called for in this advertisement will be considered informal. Each bid must be signed by the bidder and accompanied by a written bond for \$2,500, of a responsible person, giving his place of business or residence, and conditioned for the execution of the contract (with a satisfactory bond for its performance) within the time specified in this advertisement, in case the bid be accepted,—or, in lieu of the bond to accompany the bid, a sum of money or other satisfactory collateral security in the same amount may be deposited with said Water Board; but the bond for the performance of the contract must be a written bond with satisfactory sureties. The person or persons to whom contract may be awarded will be required to appear at this office, with the securities offered by him or them, and execute the contract within four days (not including Sunday) from the date of notification of such award, and the preparation and readiness for the signature of the contract.

The work is to commence within ten days after the execution of the contract, and to be continued with regularity until its completion, which completion must be before the first day of November, 1877. The bids will be compared on the basis of the engineer's approximate estimate of quantities of work to be done, which is as follows:—

- 12,000 cubic yards of earth excavation.
300 " " " soil dressing.
250 " " " broken stones, placed.
100 " " " cement concrete.
60 " " " brick masonry.
250 " " " rhrapping.
800 " " " dry rubble stone paving, placed.
1,500 " " " rubble stone masonry, in mortar.
30 " " " split stone coping, in mortar.
20 " " " floor paving, in mortar.
1,250 " " " cut dimension stone masonry, in mortar.
2,800 square feet of face dressing of six cut work.
8,500 " " " pointed work.
3 M. ft. B. M. spruce lumber, placed.

Specifications may be obtained at the Office of the City Engineer, City Hall, Boston, and plans may be seen at the Engineer's Office of the Boston Water Works at South Framingham.

The amount of the bond required will be such sum as may be fixed by the Water Board, after the proposals are opened; said sum not to be less than one-fourth nor more than two-thirds of the amount of the contract.

The Water Board reserves the right to reject any or all bids, should it deem it to be for the interest of the City of Boston so to do.

T. T. SAWYER, Chairman Boston Water Board.

SCHOOL HOUSE.—Sealed proposals for building two School-houses in Pitcher Township, Io.,—separate bids for each,—are asked for. Plans and specifications for same can be seen at the Marsh House, Aurelia, Io. Bids can be sent there, care of W. C. Marsh, president of the Board of Districts, or taken to the meeting of the Board, which takes place in Aurelia, at ten o'clock, April 21, 1877, when the contracts are to be let. The condition of the school-house fund can be ascertained from A. T. Bigby, district treasurer, P. O., Aurelia. The Board reserves the right to reject any or all bids. By order of the Board of Directors, Pitcher Township.

PROPOSALS.

SCHOOLHOUSE. MOUNT PULASKI, ILL., March 30, 1877.

Sealed proposals, in the form of a contract, will be received by the undersigned at the office of the Secretary of the Board of Directors of the Mount Pulaski Public School, in Mount Pulaski, Ill., until Wednesday, April 18, 1877, at 12 o'clock, M., for the erection of a Public School Building designed by H. C. Koch, architect. Plans and specifications will be on exhibition at the office of the Secretary of the Board of Directors, in Mount Pulaski, on and after the 21st of April next. Blank forms of proposal, contract, and bond required, accompanied by explicit instructions how to properly execute the papers, will be furnished to those who desire to contract for the work, upon applying to the Secretary of the Board of Directors, at Mount Pulaski. The performance of the contract, on the part of the builder, must be secured by the bond of two or more free holders, citizens of Illinois, who shall verify to their responsibility in the aggregate sum of \$20,000 over and above legal exemptions, and in the form furnished blank by the Board of Directors. To secure uniformity and fairness in bidding, and avoid complications, all blanks will be furnished by the Directors, who reserve the right to reject any or all bids or contracts that may be offered. No proposal will be considered, or proposition entertained, unless made in the prescribed form of blank contracting if accepted by the Directors to furnish all the materials and do all the work required to complete the building, according to the plans and specifications, for a gross sum specifically stated. Contracts offered will be in force and binding as soon as they are accepted by the Directors. Proposals and contracts must be on the printed forms furnished, enclosed in a sealed envelope, indorsed "Contract for building schoolhouse," and addressed or delivered to F. D. CASS, Secretary, Mount Pulaski, I. Geo Co., Ill. F. D. CASS, GEORGE HUCK, J. M. TOMLINSON, Directors.

LODGES AND WALLS. OFFICE OF NATIONAL CEMETERIES, WASHINGTON, D. C., April 5, 1877.

Sealed proposals in triplicate, with a copy of this advertisement attached to each, will be received at this office until Monday, May 7, 1877, for the construction of Superintendent's Lodges, of brick or stone, and enclosing walls of brick or stone, at the National Cemeteries at Baton Rouge and Pineville (near Alexandria), La. Also for the construction of an enclosing wall of brick or stone, around the Fort Hudson (La.) National Cemetery.

The work will not be begun before the autumn of the present year. During its progress it will be frequently inspected by competent engineers, and a strict compliance with the terms of the contract will be required.

The right is reserved to reject any or all bids not deemed of interest to the Government.

Copies of plans and specifications may be seen, and blank forms of proposals procured, at this office, and at the Quartermaster's offices, at Louisville, Ky., St. Louis, Mo., New Orleans, La., Baton Rouge, La., Pineville, La., and Huntsville, Ala.; also at the cemeteries above mentioned.

Proposals should be indorsed, "Proposals for Lodges (or Walls) for National Cemeteries," and addressed to the undersigned. They will be opened at noon on the date specified, when bidders are invited to be present.

A. F. ROCKWELL, Captain and Assistant Quartermaster.

ALTERATIONS.—Sealed proposals will be received at the Auditor's Office, in Franklin County, O., until Wednesday, April 25, 1877, at twelve o'clock, M., for furnishing materials and work, and to build and completely finish an addition to the Auditor's Office. The improvement will consist of a fire-proof vault, and additional rooms for the Auditor's Office. Also, urns and water-closets for the Court Rooms. All of said improvements to be made according to the plans and specifications for the same, which are on file in the Auditor's Office. The Commission reserves the right to reject any or all bids. Probable cost of said improvement, \$3,500. L. T. STRADER, Auditor.

CHURCH.—Sealed proposals will be received at Versailles, Ky., until April 17, at two o'clock, P.M., for the construction of the new Presbyterian Church. Drawings and specifications are now on file at the office of Meriary & Seltzer, where bids will be received either in the aggregate or in detail up to that date. By order of Building Committee. H. BROWN, Chairman.

COMPETITIONS.

VIADUCT.—Sealed proposals will be received at the Board of Improvements, Cleveland, O., until 12 M., May 10, 1877, for the labor and materials necessary for the erection and completion of that portion of the Superior-street Viaduct located between the westerly line of Water Street and the abutment of the first arch on the west of the Cuyahoga River. The superstructure, which is to be of iron with masonry foundations, will consist of six fixed spans of 600 feet aggregate length, and one draw or pivot bridge, 332 feet long. Plans and specifications can be seen, and blank proposals obtained, at the office of the City Civil Engineer, after April 20, 1877; and all proposals must be made upon the blanks prepared and furnished by the City Civil Engineer.

Bids will be received for the iron and mason work separately. The city invite plans and proposals for the superstructure from any and all responsible parties of well-known reputation as designers and builders of iron bridges. All plans and proposals thus submitted to conform to the specified length, width, height, and strength of said structure, and to be accompanied with full and accurate details and specifications for the same. To all parties desiring to submit plans and details as above, blank proposals, with general specification, maps, and profile will be furnished immediately on application to the engineer. The city reserves the right to accept any or reject all bids. B. F. MORSE, City Civil Engineer.

Agency wanted for Mantels,

By a firm in New York doing large business with builders and property owners, and having handsome store and show-rooms in heart of city. Address G. D., Box 5612, Post-Office, New York.

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A SITUATION by a practical Stone Carver, competent in all kinds of Architectural Carving and Modelling. Best of references given. Address JAMES BIRCHENOTGH, 403 Eddy Street, Providence, R.I.

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BRICK. Nominally. Cargo Afloat. Palo. M. \$3 00 @ \$3 50. Jersey. 5 00 @ 5 25. Long Island. 5 00 @ 5 25. Up-River. 5 00 @ 5 25. Haverstraw Bay, choice. 5 50 @ 6 25. Haverstraw Bay. 5 75 @ 6 00.

FRONTS. Croton - Brown. P M. \$ - @ \$ 8 00. Croton - Dark. - @ 9 00. Croton - Red. - @ 10 00. Philadelphia. 23 00 @ 27 00. Trenton. 21 00 @ 25 00. Baltimore. 34 00 @ 38 00. For delivery, add \$5 on Philadelphia and Trenton, and \$6 on Baltimore.

CEMENT. Rosendale. P bbl. \$1 20 @ 1 25. Portland. 3 35 @ 3 75. Roman. 3 50 @ 3 75. Keene's coarse. 7 50 @ 8 00. Keene's fine. 11 25 @ 12 00.

PIPE BRICK. Red Welsh. \$35 00 @ 36 00. Scotch. 30 00 @ 34 00. American. 30 00 @ 40 00.

DOORS AND BLINDS. DOORS, RAISED PANELS, TWO SIDES. 2 0 x 6 0. 1 1/2 in. \$1 00. 2 6 x 6 6. 1 1/2. 1 14. 2 6 x 6 8. 1 1/2. 1 20. 2 8 x 6 8. 1 1/2. 1 15.

DOORS, MOULDED. Size. 1 1/2 in. 1 1/2 in. 1 1/2 in. 2 0 x 6 0. \$1 52. 2 6 x 6 6. 1 87. 2 6 x 6 8. 1 92. 2 6 x 6 10. 1 96. 2 6 x 7 0. 2 01. 2 8 x 6 8. 2 00. 2 8 x 7 0. 2 09. 2 10 x 6 10. 2 29. 3 0 x 7 0. 2 39.

OUTSIDE BLINDS. Per lineal foot, up to 2 10 wide. \$ - @ \$ 2 25. Per lineal foot, up to 3 1 wide. - @ 0 27. Per lineal foot, up to 3 4 wide. - @ 0 39. Per lineal foot, painted and trimmed. 0 40 @ 0 50.

INSIDE BLINDS. Per lineal foot, 4 folds, Pine. - @ 0 55. Per lineal foot, 4 folds, Ash or Chestnut. - @ 0 95. Per lineal foot, 4 folds, Cherry or Butternut. - @ 1 10. Per lineal foot, 4 folds, Black Walnut. - @ 1 20. WINDOW FRAMES. Up to 3 4 x 7 2, put together. - @ 2 65.

HAIR. - Duty free. Cattle. P bushel. \$0 10 @ 0 12 1/2. Goat. 0 12 1/2 @ 15.

LIME. State, common, cargo rate. P bbl. \$0 90 @ \$ - 1 25 @ - 1 00 @ - 1 00 @ - 1 25 @ 1 00. Add 25 c. to above figures for yard rates.

LATH. - Cargo rate. P 1 50M. \$ @ 1 55. LUMBER. Pine, very choice, and extra dry, P M ft. \$60 00 @ \$70 00. Pine, good. 45 00 @ 53 00. Pine, tally plank, 1 1/2, 10 in., dres'd each. 46 @ 43. Spruce boards, dressed. 22 @ 25. Spruce plank, 1 1/2 in. dressed. 25 @ 29. Spruce timber, 2 in. 35 @ 38. Spruce timber. P M ft. 17 00 @ 20 00. Hemlock boards, each. 16 @ 18. Ash, good. P M ft. 38 00 @ 45 00. Oak. 35 00 @ 47 00. Chestnut. 45 00 @ 50 00. Black Walnut, good to choice. 80 00 @ 100 00. Black Walnut, 1/2. 75 00 @ 85 00. Black Walnut, selected and seasoned. 110 00 @ 150 00. Cherry, good. P M ft. 60 00 @ 80 00. Whitewood, chair plank. 60 00 @ 70 00. Whitewood, incl. 40 00 @ 50 00. Shingles, extra shaved pine, 18 in. P M 9 50 @ 10 00. Yellow pine dressed flooring. P M ft. 35 00 @ 45 00.

PAINTS AND OILS. Whiting. P 100 lb. 50 @ 75. Paris white, Eng. (gold). per 100 lb. 1 65 @ 1 80. Zinc, white, American, dry. 6 1/2 @ 7 1/2. Zinc, white, American, in oil, pure. 11 1/2 @ 12. Lead, white, American, dry. 8 1/2 @ 9. Lead, white, American, in oil, pure. - @ 10. Lead, red, American. 8 @ -. Litharge, American. 8 @ -. Ochre, French, dry (gold). 1 50 @ -. Ochre, in oil (currency). 6 @ 15. Venetian red, English (gold). P cwt. 1 70 @ 1 75. Vermilion, Am. Quicksilver (gold). 65 @ 70. Vermilion, Trieste (gold). 1 00 @ 1 10. Chrome yellow, genuine, dry. 12 1/2 @ 28. Chrome, yellow, in oil. 18 @ 28. Orange Mineral English, gold. 10 @ 10 1/2. Paris green, pure, dry. 28 @ 30. Putty, pure. P lb. \$0 02 1/2 @ \$0 03 1/2. Sienna, raw (American). - @ 4. Sienna, burnt, American. - @ 4 1/2. Sienna, burnt, in oil. 16 @ 26. Sienna, raw, in oil. 15 @ 25. Umber, raw in oil. - @ 6. Black, Lamp, ordinary. - @ 8. Black Paint, in oil, kegs. - @ 8. Black Paint, in asst'd cans. - @ 11.

SLATE. Delivered at New York. Purple roofing slate, P square. \$7 50 @ \$8 00. Green slate. 7 50 @ 8 00. Red slate. 11 00 @ 12 00. Black slate, Pennsylvania (at Jersey City). 5 50 @ 6 00. Peach bottom (nominally). 9 00 @ 10 00. Slate tiles, 1 1/2 in., rubbed, P sq. ft. delivered. 20 @ 25.

SOLDERS. No. 1. \$0 12 1/2 @ \$0 13. No. 2. 0 12 @ 0 12 1/2.

TIN PLATES. - Duty, 1 1-10c. P lb. I. C. charcoal, 10 x 14. P box (cur.) \$7 50 @ \$7 75. I. C. coke, 10 x 14. 6 50 @ 7 25. I. X. charcoal, 10 x 14. 9 75 @ 10 00. I. C. charcoal, 14 x 20. 7 50 @ 7 75. I. X. charcoal, 14 x 20. 9 75 @ 10 00. I. C. coke, 14 x 20. 6 50 @ 7 25. I. C. coke, terme, 14 x 20. 6 25 @ 6 50. I. C. charcoal, terme, 14 x 20. 6 50 @ 7 00.

ZINC. - Duty, sheet, P lb. 2 1/2 c. Sheet (gold) foreign. P lb. \$0 08 1/2 @ \$0 08 1/2. LEAD. Bar. 0 7 1/2. Sheet. 0 9. Pipe. 0 9 1/2. Discount 10 per cent to trade.

BOSTON.

PRICES TO CONTRACTORS AND BUILDERS.

FIRE BRICK. No. 1 Boston. \$52 50. Waldo Bros. Extra. 58 00. Waldo Bros. No. 1. 48 00. Waldo Bros. No. 2. 38 00. Jersey, No. 1. 50 00. Jersey, No. 2. 40 00. Scotch Govan, 2 1/2 in. 52 50. Scotch Govan, 3 in. 63 00. English Hancock. 47 50.

BUILDING BRICKS. Eastern, hard. \$8 50 @ 9 50. Eastern, light hard. 7 50. Eastern, soft. 6 50. Bay State, hard. 9 00. Bay State, light hard. 8 00.

LUMBER. Michigan pine - Nos. 1 and 2. \$4 00 @ 46 00. No. 3. 35 00 @ 37 00. Saps. 32 00 @ 34 00. Black walnut - Nos. 1 and 2. 75 00 @ 80 00. Culls. 35 00 @ 40 00. Ash - Nos. 1 and 2. 35 00 @ 38 00. Culls. 20 00 @ 22 00. Cherry - Nos. 1 and 2. 60 00 @ 65 00. Whitewood - Nos. 1 and 2. 36 00 @ 40 00. 1/2-inch. 40 00 @ 30 00. Oak. 45 00 @ 65 00. Butternut - Nos. 1 and 2. 60 00 @ 75 00. Eastern pine - Nos. 1, 2, and 3. 45 00 @ 55 00. No. 4. 35 00 @ 40 00. No. 5. 28 00 @ 30 00. Spruce - random cargoes scantling and plank. 15 00 @ 16 00. Boards. 14 00 @ 16 00. Hemlock boards. 13 00 @ 14 00. Laths - Spruce. 1 75 @ 2 00. Pine. 2 00 @ 2 25. Shingles - Spruce. 2 00 @ 2 25. Pine shaved. 6 00 @ 8 00. Sawn extras, 16 and 18 in. 3 25 @ 3 50.

PAINTS AND OILS. Whiting. P lb. \$0 01 @ \$0 02. Paris white, English. 3 @ 4. Zinc, white, in oil. 10 @ 12. Lead, white, American, in oil, pure. 10 @ 10 1/2. Ochre, French, dry. 3 @ -. Ochre, in oil. - @ 12. Venetian red, English. 3 @ 4. Chrome, yellow, in oil. 18 @ 25. Paris green, pure. 35 @ 38. Putty. 20 @ 25. Sienna, in oil. 28 @ 35. Umber, in oil. 18 @ 20. Umber, burnt. 4 @ 8. Umber, burnt, in oil. 16 @ 21. Umber, raw. 3 1/2 @ 7 1/2. Black, Lamp. 12 @ 25. Black Paint, in asst'd cans. 12 @ 25.

LIME. Quoted at \$1.00 @ \$1.10 per cask for Rockland and Rockport.

CEMENT. Rosendale. P bbl. \$1 60 @ \$1 65. Portland. 5 00 @ 5 50. Roman. 4 25 @ 4 50. Keene's coarse. 9 00 @ 9 50. Keene's fine. 12 25 @ 12 50.

BUILDERS' HARDWARE. Nails. P Cask. 10d. \$3 00 @ \$3 00. 1 1/2d. 3 75 @ 3 75. 8d. 4 50 @ 4 50.

Axle Pulleys - Steel. P Doz. 2 in., Pennsylvania make. \$1 20. 2 in., Boston make. 2 50.

Sash Weights. P lb. 1 1/2 c. Sash Line. P lb. Best hemp. 30c. Best linen. 70c.

Door Butts. Size - 4 1/2 x 4 1/2 5 x 5. Japanned Acorn. \$4 00 @ \$5 00 P doz. pairs. Plain Bronzed Iron. 80 @ 92 P pair. Ornamental Bronzed Iron, 1 50 @ 1 75 P pair. Ornamental Bronze Metal, 3 60 @ 4 00 P pair.

Mortise Locks - Brass face and bolt - easy spring. 3 1/2 to 4 1/2 in. \$8 75 to \$16 00 P dozen. No. for front doors. Factory make, plain front. \$3 25 each. Factory make, bronze front. 5 50 each. Boston make, plain front. 8 00 each.

Door Knobs. P Set. Solid glass. \$ 50. Silvered glass. 1 10. Cut glass. 3 00. Nickel plated. 2 50. Bronze metal. 2 50.

Sash Fast. P Dozen. Plain brass. \$1 75 to \$2 50. Plain brass, self-locking. 6 50 to 7 50. Nickel plated, self-locking. 4 50. Bronze metal, self-locking. 5 00 to 12 00.

Screws. P Gross. Round head, nickel plated. \$2 25 @ \$2 90. for window heads. 1 1/2 @ 1 1/2 in. Store Door Handles - with mortise latch. P Set. Lacquered brass. \$3 50. Bronze metal. 7 00.

CHICAGO.

PRICES TO CONTRACTORS AND BUILDERS.

BRICK, LIME, AND CEMENT. Lime, in bulk, P bbl. \$ 75. Lime, in bbls. 6 00 @ 6 50. Building brick, P 1,000. 14 00 @ 16 00. Pressed brick, P 1,000. 40 00 @ 60 00. Fire brick, P 1,000. 1 80 @ 2 00. Cement, Utica and Louisville, P bbl. 1 50 @ 1 75. Cement, Akron, P bbl. 1 50 @ 1 75. White sand, P bbl. 2 00 @ 2 45. Plaster paris, Michigan, P bbl. 2 00 @ 2 45. Plaster paris, New York, P bbl. 2 00 @ 3 00. Fire clay, P bbl. 4 00. Plastering-hair, P bu. 35 @ 40.

LUMBER. First and second clear, 1 to 2 inch. \$30 00 @ 35 00. Third clear, 1-inch. 28 00 @ 30 00. Clear flooring, 1 1/2 to 2 inch. 30 00. Clear flooring, first and second, rough. 30 00. First and second clear dressed siding. 16 00. First common dressed siding. 13 50 @ 14 00. Flooring, first common, dressed. 26 00. Flooring, second common, dressed. 22 00. Box boards, A, 13 to 18 inch. 33 00. Box boards, B, 13 to 18 inch. 25 00. A stock boards, 10 to 12 inch. 28 00 @ 30 00. B stock boards, 10 to 12 inch. 20 00 @ 24 00. C stock boards, 10 to 12 inch. 15 00 @ 16 00. Common stock boards, 12-inch. 12 00 @ 13 00. Fencing, 12 to 16 feet. 10 50. Common boards, 12 to 20 feet. 10 40 @ 11 00. Dimension stuff, 10 to 18 feet. 10 00 @ 12 00. Dimension stuff, 20 to 24 feet. 11 00 @ 11 50. Lath. 1 50. A shingles, choice. 2 50. A shingles, standard. 2 30 @ 2 40. A shingles on track, dry. 2 20 @ 2 40. A shingles on track, green. 2 00. Pickets, square. 9 00 @ 10 00. Pickets, flat. 8 00 @ 10 00.

METALS AND TINNERS' STOCK.

This class of goods are freely called for, and prices remain firm, as follows: - Tin plate, I C 10 x 14, charcoal. \$7 75. Tin plate, I X, 10 x 14, charcoal. 10 25. Tin plate, I C, 12 x 12, charcoal. 7 75. Tin plate, I X, 12 x 12, charcoal. 10 25. Tin plate, I C, 14 x 20, charcoal. 7 75. Tin plate, I X, 14 x 20, charcoal. 10 25. Tin plate, I XX, 14 x 20, charcoal. 12 75. Tin plate, I XXX, 14 x 20, charcoal. 15 25. Tin plate, I XXXX, 14 x 20, charcoal. 18 25. Tin plate, D C, 12 1/2 x 17, charcoal. 7 75. Tin plate, D X, 12 1/2 x 17, charcoal. 10 25. Tin plate, D XX, 12 1/2 x 17, charcoal. 12 75. Tin plate, I X, 14 x 14, charcoal. 18 00. I C roofing, 14 x 20, charcoal. 7 25. I X roofing, 14 x 20, charcoal. 9 75. I C roofing, 20 x 28, charcoal. 15 00. I X roofing, 20 x 28, charcoal. 19 50. I C roofing, 14 x 20, coke. 6 75. 10 x 20, coke (for gutters), 250 sheets. 11 25. Pig tin, large (60 lbs.). 24. Pig tin, small (30 lbs.). 25. Pig bar tin. 26. Galvanized iron, 30 per cent discount. Common sheet iron, Nos. 14 to 24, 3 1/2 c.; No. 26, 3 3/4 c.; No. 27, 4 c. \* "Roofing tin" in Chicago means lead-coated, but is not used for the best roofs.

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White Lead. Strictly pure, \$9.75; fancy brands, \$7.00 @ 9.00. Zinc. French, \$12.00 @ 13.00; American, \$10.00. Colors. Chrome yellow, in oil. \$15 00 @ 30 00. Umbers and Siennas. 12 00 @ 19 00. Marseilles green. 20 00. Coach black. 18 00 @ 22 00. Graining colors. 20 00. Mineral paints. 2 50 @ 3 00. Ven. red, dry. 2 50 @ 3 00. Yellow ochre, dry. 2 50 @ 3 00. OILS. Linseed, raw, 66 @ 67c.; boiled, 69 @ 70c.

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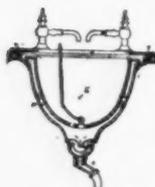
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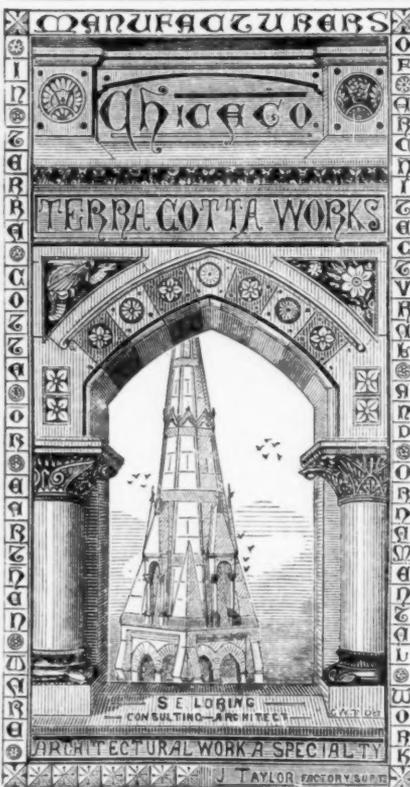
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**TO INTERIOR DECORATORS.**

An excellent advertising Medium for your purposes is the **AMERICAN ARCHITECT AND BUILDING NEWS.**

**BUILDING HOUSES OF PAPER.**—The New York Mail says that there is a large manufactory in Wisconsin that keeps three mills constantly running on building-paper, having capacity for the making of sixteen tons per day. As long ago as 1857, the company began the manufacture of paper for building-purposes. The paper used for building-purposes is a thick, hard pasteboard, wound in rolls of twenty-five to a hundred pounds each, and usually thirty-two inches wide. While in process of manufacture, it is subject to a pressure of hundreds of tons, which compresses the fibres together into one solid body, thus making an absolutely air-tight sheet; and as paper is one of the best non-conductors known, it resists the action of both heat and cold, and so a building lined with it is made warm in winter and cool in summer. It does not shrink like lumber, and is not affected by frost, cold, heat, or dampness; and it is known that it will not burn as readily as wood, on account of its hardness and solidity, and by its use a house can be made almost if not absolutely tight.

**AN ENGLISH ARCHITECT.**—The following announcement appeared in an English paper: "Cattle Market, Wisbech. Charles H. Blank, auctioneer, architect, and surveyor, will hold a sale for fat beasts, sheep and pigs, every Thursday, commencing at ten o'clock; and for store bullocks, sheep, pigs, and horses, every Saturday, commencing at twelve o'clock. Office, Wisbech."

**MEMORIAL WINDOWS.**—The two memorial windows given by Mr. Robert C. Winthrop to Trinity Church, Boston, which arrived from England lately, have been put in place. They are in the main body of the church, facing Boylston Street. Each window measures about six feet by four, and contains two designs. One division of the westerly window represents Abraham about to sacrifice Isaac; the other, Eunice. Underneath these devices are texts and a memorial inscription. The designs of the other window are the Good Samaritan, and Dorcas ministering to the afflicted and destitute.

**PREPARATION OF THRESHING-FLOORS.**—Prof. Lehmann suggests the following plan for the preparation of threshing-floors in far less time and of greater durability than those made with clay: Slake half a bushel of lime to a dry powder, and mix it with half a bushel of sand free from loam, and eight bushels of sifted ashes of coal or turf, and work the mass with water to a stiff paste. Lay it five or six inches deep, and smooth with a trowel. The durability may be increased by coating it with coal-tar after it has become perfectly dry.

**AN OLD BUILDING.**—The oldest building in Boston stands at the corner of Moon and Sun Court Streets. It was built in 1677, and conveyed by Benjamin Rawlings to Ralph Barger, Feb. 8, 1693, for £45 New England currency, as per record in Registry of Deeds, lib. 19, fol. 270.

**BUILDING INTELLIGENCE.**

Summary of the Week.—Reports from the Principal Cities of the Country.

[Reported for the American Architect and Building News.]

**Boston.**

During the past week six permits have been issued for frame buildings to the following contractors: S. N. Davenport, G. S. Prior, J. S. Dakin, J. F. Haines, Tobin and Archdeacon, G. E. Lowin, M. Shields.

Only one permit has been issued for brick buildings, and this one to J. D. Schneider for a block of four dwelling-houses.

Forty-seven permits for alterations have been taken out by contractors, most of them unimportant; 14 only for alterations in brick buildings; the rest in frame buildings.

**SCHOOLHOUSE.**—The contract for the carpenter-work on the proposed new grammar-school building, corner of Dorchester and Rogers Streets, Washington Village, has been awarded to Messrs. Holbrook & Harlow; that for the mason-work to the Donahoe Brothers. The gross amount of the two bids was a trifle under \$49,000.

**Brooklyn.**

**A NEW CHURCH.**—The First Baptist Church on Nassau Street, the oldest society of that denomination in Brooklyn, has decided to build a new edifice at Clinton and Pierpont Streets, and \$25,000 have been already raised for this object.

**ENGINE HOUSE.**—A new fire-engine house is building on Sigel Street, between Graham Avenue and Humboldt Street. It is to be of brick, two stories in height, and 90 by 25 feet.

**Chicago.**

Number of permits for new building, moving, and alterations, for two weeks to date, 66.

The following were for buildings of two stories and over:— Isaac Marks, three-story and basement brick building, 30 x 34 feet; Eldridge Court, near State Street.

E. S. Heaton, three-story and basement brick stone-front building, 20 x 42 feet, 10 Warren Avenue.

A. H. Buck, two-story and basement brick store and dwelling, 38 x 60 feet, 24 West Madison Street.

John O. Malley & Son, two-story and basement storehouse, 50 x 88 feet, Turner Street.

C. D. Martin, eight two-story and basement brick dwellings, each 25 x 32 feet, for tenements; fronting on Dearborn Street, Taylor Street, and 3d Avenue.

A. S. Frude, three-story and basement stone-front brick store and dwelling, 20 x 80 feet; State Street, near Taylor.

B. Hartman, two-story and basement brick store and dwelling, 22 x 42 feet; Centre Avenue, near Healy.

A. C. Fish, two-story and basement brick store and dwelling, 25 x 60 feet; State Street, near 33d.

Franz Pauler, two-story and basement brick dwelling, 20 x 42 feet, 61 Mohawk Street.

Peter Kaupsic, two-story brick dwelling, 21 x 48 feet, 436 Noble Street.

August Johnson, three-story brick dwelling, 20 x 62 feet, 132 Superior.

D. T. Ricker, two two-story and basement brick dwellings, each 22 x 44 feet; Jackson Street, near Western Avenue.

Patrick Brown, two-story and basement brick dwelling, 21 x 48 feet, 312 W. 15th Street.

William Willing, three-story and basement

stone-front brick dwelling, 27 x 60 feet; Chicago Avenue, near Cass.

As will be seen from the above, this is the poorest showing for building-improvements since the beginning of the year, and compares unfavorably with that of any previous year. The numerous applications for permits to move and alter buildings are caused by the approach of the renting and moving season.

The monthly report of the Superintendent of Buildings shows that during the month of March there were issued permits for the erection of 89 buildings. The total estimated cost of the buildings was \$375,300. In March, 1876, there were granted permits for the erection of 120 buildings, which cost \$701,200. Since Jan. 1, 1877, there have been issued 225 permits for buildings, estimated to cost \$723,800. During the past month (March) 49 permits were issued for the removal of frame buildings. The Department has investigated and reported upon the causes of 14 fires.

**Cleveland, O.**

The Board of Improvements has granted F. Valentine permission to occupy a portion of Perry Street for building-purposes; to P. McKinney, to occupy a portion of Buckeye Street; P. McKinney, portion of Lyon Street; J. P. Humphrey, portion of St. Clair Street; Sovereigns of Industry, corner of Ontario and St. Clair Streets; Gottlieb Thies, portion of Woodland Avenue; J. H. Voth, portion of Charles Street; S. Wood & Sons, portion of Bank Street; A. Cobb, portion of Superior Street; Griese & Welle, ——— Street; J. D. Copperfield, corner of Mulron Street and Euclid Avenue; Robert Bailey, Brownell Street; E. J. Letz, Detroit Street; L. E. Eggart, Perry Street.

**New York.**

**BUILDINGS PROJECTED FOR THE WEEK ENDING APRIL 4.**—These are 65 in number,—brick, 20; brick and stone, 44; wood, 1. Situated on W. 15th, W. 16th, W. 20th, W. 42d, W. 53d, E. 57th, 122d, 130th, Baxter, Cherry, Cornelia, Downing, Greenwich, and Water Streets, and 3d, 4th, 6th, 8th, 9th, Lexington, and St. Ann's Avenues. Total value, \$325,000.

Owners.	Architects.	Builders.
C. Keneckin.....	C. Reckie.....	C. Voutas.....
A. Spulfer.....	R. Moak.....	A. A. Andrews & Son..
J. R. Graham.....	D. & J. Jardine..	C. Baxter.....
M. E. Ingersoll.....	C. Baxter.....	Le J. Fuller.....
D. Kennedy.....	W. Jose.....	W. Jose.....
Kloppenburgh & Shute..	W. H. Caunt.....	W. H. Caunt.....
J. G. Key.....	W. H. Caunt.....	J. Newman.....
W. Willington.....	D. & J. Jardine..	Vandolm & Ferrine..
J. G. Carey.....	D. & J. Jardine..	S. Buff.....
C. E. Humming.....	W. Kuhles.....	J. L. Hamilton.....
W. Sweet.....	G. Ipsley.....	D. H. King.....
S. Valentine & Sons.....	J. Muller, Junr..	C. B. Tallman.....
T. F. Marshall.....	B. Warner.....	A. G. Bogert & Bros..
J. C. Thompson, Junr..	J. B. Smook.....	J. B. Smook.....
S. & J. Wilson.....	J. Brandt.....	J. Peters.....
J. Skinner.....	A. Pfund.....	W. A. Jack.....
J. B. Tallman.....	A. Spruce.....	H. Meehan.....
M. Maloney.....		
S. L. Mott.....		
J. Peters.....		
W. F. Nicholas.....		
P. & W. Ebling.....		
C. Moran.....		

* First-class dwelling, E. 57th St.....	\$25,000
† French flats, W. 15th St.....	25,000
‡ 5 first-class dwellings, Lexington Av.	35,000
§ French flats, 8th Avenue.....	20,000
4 first-class dwellings, W. 53d St.....	85,000
¶ 9 first-class dwellings, 122d St.....	45,000
** 12 first-class dwellings, 6th Avenue.....	90,000

We regret that the preceding report was received too late for insertion in our last week's issue.

**BUILDINGS PROJECTED FOR THE WEEK ENDING APRIL 11.**—These are 12 in number,—11 brick and 1 wood, tenements, stores, dwellings, and stables. Situated on E. 28th, E. 40th, W. 46th, 90th, Pearl, Hudson, Greenwich, Cherry, and

Stanton Streets, and 4th, 7th, and Fairmount Avenues. Total value, \$65,500.

Owner.	Architect.	Builder.
H. E. Klugh.....	H. E. Klugh.....	H. E. Klugh.....
J. Halk.....	B. Wakler.....	J. L. Marth.....
F. Beckstein.....	G. W. D. Camp ..	G. W. D. Camp ..
T. Wieler.....	C. F. Ridder, junr. .	C. F. Ridder, junr. .
P. Schneider.....	C. F. Ridder, junr. .	C. F. Ridder, junr. .
C. E. Flemming.....	M. C. Merritt.....	H. Wieler.....
P. Levell.....		
A. Nostrand.....		J. Brown.....
D. Duryea.....		G. Robbins.....
N. P. Sandquist.....	C. Kurkel.....	
S. Belman.....		J. A. Frame.....
C. Wurzel.....	F. Jenth.....	

The buildings registered during the past week are of little importance, their individual valuation varying from \$500 to \$15,000.

**PRODUCE EXCHANGE.**—There is a good deal of opposition to the proposed new Produce Exchange building.

**NEW STORE.**—The new building erected by B. Altman & Co. for their own occupancy at Nineteenth Street and Sixth Avenue, is of iron, four stories in height, with a frontage of 65 feet on the avenue and 102 feet on Nineteenth Street. It is heated by steam, fitted with steam elevators, and the fittings are all of mahogany and walnut.

**FRENCH FLATS.**—John Shinner proposes to erect a building to be used as French flats at No. 777 Eighth Avenue, at a cost of \$20,000. J. B. Tallman will also build a handsome dwelling on Fifty-third Street, near Sixth Avenue, at an expense of \$25,000.

**THE BROADWAY FIRE.**—All traces of the great Broadway fire will soon be obliterated, as several of the new iron buildings erected in place of those burned will be ready for occupation on the 1st of May.

**Philadelphia.**

**POST-OFFICE.**—Work on the building will be resumed as soon as the weather settles—probably by May the 1st. The appropriation for the next fiscal year is 350,000 dollars. The action of Congress in cutting down appropriations has already delayed the completion of the building one whole year.

**PUBLIC BUILDINGS.**—At a stated meeting of the Public Building Commission held April 3, a communication was received from Messrs. Struthers and Sons enclosing the opinions of their counsel relative to the fulfillment of their contract in the absence of an appropriation for their work. These opinions agreed in the statement that the contract was binding upon both parties, and the firm should be authorized to proceed with their work. It was resolved that the architect be directed to prepare an estimate of the extra work and material necessary to permit the marble-contractors to proceed with their work during the present season.

**ST. BONIFACIUS.**—In a short time a No. 1 tower-clock will be placed in the steeple of St. Bonifacius' German Church at Diamond Street and Norris Square. There will be four bells, the weight of the main one being 3,749 pounds. In striking the quarter-hour, three bells will be rung, and the stroke repeated on the second one. Six strokes on the same bells will toll out the half-hour, and for the full hour all of the bells will be struck, first separately, and then the large bell will give the hour. The total cost of the clock is estimated at \$1,428.

The whole number of permits issued by the Building Inspectors during the month of March, 1877, for the construction of new buildings, was 657, including the following:—

Dwelling-houses, two-story, 139; dwelling-houses, three-story, 253; dwelling-houses, four-story, 11; stores and dwellings, two-story, 5; stores and dwellings, three-story, 28; stores, one, two, and three story, 13; alterations and

additions, 126; back buildings, 30; stables, 22; shops, 7; store and warehouses, 4; sheds, 3; factories, 2; offices, 3; market-house, 1; boiler-house, 1; dry-houses, 2; slaughter-house, 1; brewery, 1; school-house, 1.

St. Louis.

Thirty-two permits have been issued for the week ending April 9. Thirteen of these are for frame structures, costing less than \$1,000. The rest are for brick buildings, with brick or stone fronts. Those costing \$2,500 and over are as follows:—

Table with 3 columns: Owner, Cost. Lists building projects and their costs, such as Helen Benoit (\$6,000), Wm. Stabenow (repairs) (2,500), etc.

General Notes.

BURLINGTON, VT.—The estimated cost of the new water-works is \$50,000.

GREENSBURG, IND.—At a congregational meeting recently the Presbyterians agreed to build a new church at a cost of \$18,000, on the site now occupied by their old building, corner of Franklin and Washington Streets. Already over \$13,000 have been subscribed.

HARTFORD, CONN.—Trinity College's new buildings will not be ready for a year, instead of in September as was expected.

INDEPENDENCE, IO.—A \$10,000 schoolhouse is to be erected during the season.

LA CROSSE, WIS., is to have a new \$8,000 schoolhouse.

LIMA, O.—The plans of the new Union Block have arrived. The building will be three stories in height. Contractors are now engaged in figuring on the work.

LYNN, MASS.—The question of building a new church by the South Common Street Methodist Episcopal Society is being agitated. \$20,000 have been guaranteed, and the church is likely to be built.

MARION, O.—This town is growing steadily. Every house is full, and more are being built. The Columbus and Toledo Railroad is doing a fine business for a new road, and towns are springing up all along the line. Taxes are low, and money ahead.

SUNBURY, PENN.—Work on the county jail is about to be resumed. It is in shape like the letter Y; will contain 142 cells and offices; is to be built of green serpentine faced with brown sandstone. Ira T. Clement is the builder. The estimated cost is about \$160,000.

WALTHAM, MASS.—The addition to St. Mary's Catholic Church has been completed, and the church re-dedicated, during the past week. The contract was taken by Cowen and Handrahan, builders, of this town; and Mr. Murphy of Providence, R.I., was the architect. The new part is 100 x 75 feet, and gives the edifice the form of the letter T. The whole building is made of brick. The seating-capacity of the church has been increased to 2,000. The Roman style of architecture has been followed in the building. The arches are supported by fourteen Corinthian columns. At each end of the transept is a large gallery, and the large organ-gallery is over the main entrance, to which a swell front has been added. The entire church is finished in chestnut. The walls and ceiling are colored. The dimensions of the space inside of the sanctuary rail are 20 x 60 feet, in which stands the main altar of the Gothic style of architecture. Its bronze centrepiece represents the burial of Christ. The cost of the altar was \$2,500. The church is lighted by 800 gas-jets. The cost of the whole improvement is between \$55,000 and \$60,000.

WILLIAMSBURG, L.I.—The cobble-stones in Broadway are being replaced with Belgian pavement from the ferry to the fountain at Fourth Street.

Architects and Builders

Will confer a great favor on the publishers, by sending to the American Architect such items of building-news as may come to their knowledge. It is our desire to make the department of building-intelligence valuable to our patrons; and in order to do this we must have early and reliable news from all sections of the country. By giving this matter attention, the friends of the paper can be of great assistance in forwarding for publication news which our regular correspondents cannot easily secure.

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Gentlemen,—At the close of the first year of the American Architect and Building News we desire to express our satisfaction at its establishment, and at the way in which it has been conducted. The excellent literary character it has maintained is calculated to commend it to persons of intelligence and culture outside the profession; and by thus interesting the general public in professional matters at the same time that it presents them from a strictly professional point of view, it is doing both the profession and the public the greatest service.

It would be a great gratification to us if it could also be made, as it deserves to be, the customary and recognized channel of communication, through its correspondence and its advertising columns, between architects, the makers of building-appliances, and the public. This would be a personal convenience indeed to ourselves, as the pages of the journal are more handy and easy of reference than cards and circulars.

You are at liberty to make any use of this communication that you may judge best adapted to forward the interests of the journal.—Interests which are in our judgment also those of the profession itself. Wishing it every prosperity, we are

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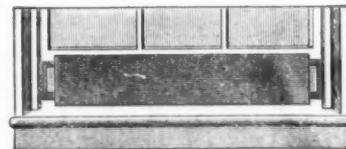
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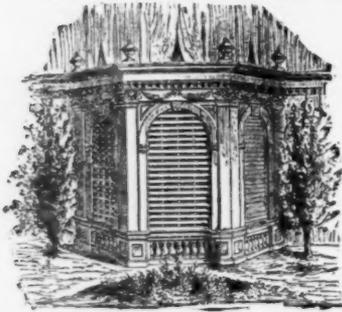
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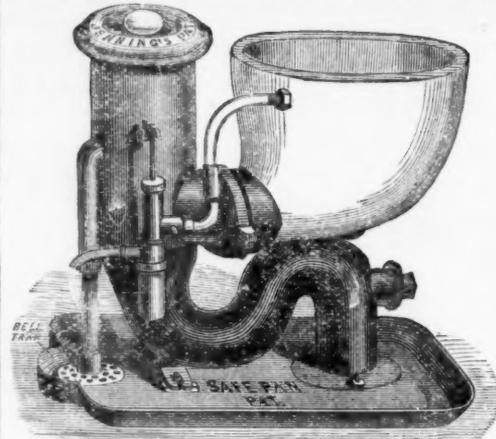
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**PROPOSALS.**

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Sealed proposals are invited to furnish, delivered on board cars at this Arsenal, about 105,000 pounds of 15-inch Wrought Iron I Beams, 200 pounds per yard; about 205,000 pounds of 12 or 12½-inch Wrought Iron I Beams, 125 pounds per yard; and 300 Wrought Iron Angle Pieces, 3½ inches by 3½ inches by 3½ inches. The beams must be straight out of wind, cut square at the ends, free from flaws, blisters, and ragged edges, and contain good iron. The name of the manufacturer must be stated. Nearly all the beams will be required in lengths of from 18 to 20 feet, and about two-thirds of them in such exact lengths that they must be cut cold. Bids must be addressed to the undersigned, indorsed on the outside "Proposals to furnish Beams," and they will be opened at 10 o'clock, A.M., May 2, 1877. The successful bidder will be required to enter into contract, and to deliver the beams within sixty days after date of contract. The United States reserves the right to reject all bids which are not deemed satisfactory. D. W. FLAGLER, Major of Ordnance.

**SCHOOLHOUSE.**

**PHILADELPHIA.**

Sealed proposals, indorsed "Proposals for building a public schoolhouse in the Twenty-eighth Ward," will be received by the Committee on Property of the Board of Public Education at the office of the clerk of Councils, Fifth and Chestnut Streets, until Thursday, April 26, 1877, at 2:30 o'clock, P.M., for building a public schoolhouse on a lot of ground situate on north-west corner of Twenty-sixth and Cumberland Streets, Twenty-eighth ward, at which time said proposals will be opened by the Committee on Property. Said schoolhouse to be built in accordance with the plans and specifications of L. H. Esler, architect and superintendent of school buildings, to be seen at the office of the Board of Public Education. No bid will be considered unless accompanied by a certificate from the City Solicitor that the provisions of an ordinance approved May 25, 1860, have been complied with. By order of the Committee on Property. H. W. HALLIWELL, Secretary.

**SCHOOLHOUSE.—**Sealed proposals will be received by the School Trustees of the Twelfth Ward, at the Hall of the Board of Education, corner of Grand and Elm Streets, until Thursday, the twenty-sixth day of April, 1877, and until 4 o'clock, P.M., on said day, for erecting a new wing, and for altering and repairing Grammar School House No. 34, on 125th Street, near Second Avenue. Plans and specifications may be seen, and blanks for proposals obtained, at the office of the Superintendent of School Buildings, No. 146 Grand Street, third floor. Proposals must state the estimate for each branch of the work separately, and be in the words, "Proposal for Mason Work," "Proposal for Carpenter Work," "Proposal for Painting," "Proposal for Heating," "Proposal for Furniture."

Two responsible and approved sureties, residents of this city, will be required from each successful bidder. Proposals will not be considered unless sureties are named. The party submitting a proposal and the parties proposing to become sureties must each write his name and place of residence on said proposal. The trustees reserve the right to reject any or all of the proposals submitted. DAVID H. KNAPP, ROSWELL G. BOLSTON, CHARLES CHARY, JOHN N. TONNELLE, GERMAIN MAUSCHELL, Board of School Trustees, Twelfth Ward. Dated New York, April 12, 1877.

**SCHOOL HOUSE.—**Sealed proposals will be received at the office of C. H. Nichols & Co., on or before the fifteenth day of May, at one o'clock, P.M., for the erection of an addition to the School Building in the village of Onaleska, Wis., according to the plans and specifications now in the office of said C. H. Nichols & Co. The building Committee reserve the right to reject any and all bids. By order of Building Committee. W. H. STANLEY, Chairman.

**SCHOOL HOUSE.—**Sealed tenders are invited for the building of a School-house in the district township of Marcus, in the County of Cherokee, Io.; will be received at Hindman's store in said county and town, where plans and specifications may be seen, until one o'clock, P.M., Saturday, April 28, 1877.

**CITY OF PROVIDENCE. GRANITE SIDEWALK FLAGGING.** Sealed proposals for Granite Flagging around the new City Hall Building will be received by the City Hall Commissioners at their office, No. 5 What Cheer Building, until twelve o'clock, P.M., May 10, 1877. For plans, specifications, forms of proposal, and bond, apply to the Commissioners as above, or to the architect, S. J. F. Thayer, No. 40 Water Street, Boston, Mass. Each bid must be accompanied by a bond in the sum of \$3,000, that a contract will be signed within ten days of the reception of bids. The party to whom the contract may be awarded must execute a satisfactory bond in the sum of \$5,000 for the faithful execution of the contract. The Commissioners do not bind themselves to accept the lowest or any bid. WILLIAM C. R. MOWRY, HENRY G. RUSSELL, WILLIAM M. BAILEY, City Hall Commissioners.

**PROPOSALS.**

**LODGES AND WALLS.**

**OFFICE OF NATIONAL CEMETERIES,**

**WASHINGTON, D. C. April 5, 1877.**

Sealed proposals in triplicate, with a copy of this advertisement attached to each, will be received at this office until Monday, May 7, 1877, for the construction of Superintendent's Lodges, of brick or stone, and enclosing walls of brick or stone, at the National Cemeteries at Baton Rouge and Pineville (near Alexandria), La. Also for the construction of an enclosing wall of brick or stone, around the Port Hudson (La.) National Cemetery.

The work will not be begun before the autumn of the present year. During its progress it will be frequently inspected by competent engineers, and a strict compliance with the terms of the contract will be required. The right is reserved to reject any or all bids not deemed of interest to the Government.

Copies of plans and specifications may be seen, and blank forms of proposals procured, at this office, and at the Quartermaster's offices, at Louisville, Ky., St. Louis, Mo., New Orleans, La., Baton Rouge, La., Pineville, La., and Huntsville, Ala.; also at the cemeteries above mentioned.

Proposals should be indorsed, "Proposals for Lodges (or Walls) for National Cemeteries," and addressed to the undersigned. They will be opened at noon on the date specified, when bidders are invited to be present.

A. F. ROCKWELL, Captain and Assistant Quartermaster.

**ALTERATIONS.—**Sealed proposals will be received at the Auditor's Office, in Franklin County, O., until Wednesday, April 25, 1877, at twelve o'clock, M., for furnishing materials and work, and to build and completely finish an addition to the Auditor's Office. The improvement will consist of a fire-proof vault, and additional rooms for the Auditor's Office. Also, urinals and water-closets for the Court Rooms. All of said improvements to be made according to the plans and specifications for the same, which are on file in the Auditor's Office. The Commission reserve the right to reject any or all bids. Probable cost of said improvement, \$3,500. L. T. STRADER, Auditor.

**PRISON.**

**OFFICE OF THE DIRECTORS NORTHERN INDIANA STATE PRISON,**

**MICHIGAN CITY, IND., April 11, 1877.**

The directors of the Northern Indiana State Prison will receive sealed proposals at their office at Michigan City, Ind., until the seventeenth day of May, 1877, at 12 M., for furnishing all materials and completing the northern wing of cell-house of said Prison, now in process of erection; also proposals for furnishing all materials, and erecting two workshops ready for use. Said cell-house and workshops to be constructed according to the plans and specifications on file in Warden's office. The labor and hire of as many convicts as can be worked in the erection of said buildings shall be used. Each proposal for cell-house must be accompanied by bond of ten thousand dollars, and each proposal for workshops by a bond of five thousand dollars, conditional that the bidder will, if his proposal is accepted, enter into a contract and give bond with sufficient security for its faithful performance. Full particulars can be ascertained at Warden's office, Michigan City, Ind. The Directors reserve the right to reject any and all bids. All proposals must be addressed "Proposals for Buildings, Directors of Northern Indiana Prison, care of Charles Mayne, Warden, Michigan City, Ind." R. DYKES, Kendallville, Ind., CHARLES B. LUTHER, Valparaiso, Ind., J. W. BAKER, Columbia City, Ind., Directors.

**COMPETITIONS.**

**VIADUCT.—**Sealed proposals will be received at the office of the Board of Improvements, Cleveland, O., until 12 M., May 10, 1877, for the labor and materials necessary for the erection and completion of that portion of the Superior-street Viaduct located between the westerly line of Water Street and the abutment of the first arch of said viaduct west of the Cuyahoga River. The superstructure, which is to be of iron with masonry foundations, will consist of six fixed spans of 600 feet aggregate length, and one draw or pivot bridge, 332 feet long. Plans and specifications can be seen, and blanks for proposals obtained, at the office of the City Civil Engineer, after April 26, 1877; and all proposals must be made upon the blanks prepared and furnished by the City Civil Engineer.

Bids will be received for the iron and mason work separately. The city invite plans and proposals for the superstructure from any and all responsible parties of well-known reputation as designers and builders of iron bridges. All plans and proposals thus submitted to conform to the specified length, width, height, and strength of said structure, and to be accompanied with full and accurate details and specifications for the same. To all parties desiring to submit plans and details as above, blank proposals, with general specification, maps, and profile will be furnished immediately on application to the engineer. The city reserves the right to accept any or reject all bids. B. F. MORSE, City Civil Engineer.

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THE NEW YORK MARKET.

WHOLESALE PRICES.

[Reported for the American Architect and Building News.]

Table with columns for material type (e.g., Brick, Portland Cement), quantity, and price.

Table listing various types of fire brick and their prices.

Table listing different grades of cement and their prices.

Table listing various types of doors and blinds.

Table listing different sizes and types of moulded doors.

Table listing various types of outside blinds.

Table listing different types of inside blinds.

Table listing window frames and their prices.

Table listing different types of hair and their prices.

Table listing various types of lime.

Table listing different types of lath.

Table listing various types of lumber.

Table listing different types of paints and oils.

Table listing various types of hardware.

Table listing different types of slate.

Table listing various types of solders.

Table listing different types of zinc.

BOSTON.

PRICES TO CONTRACTORS AND BUILDERS.

Table listing various types of fire brick.

Table listing different types of building bricks.

Table listing various types of lumber.

Table listing different types of paints and oils.

Table listing various types of lime.

Table listing different types of cement.

Table listing various types of hardware.

Table listing different types of door butts.

Table listing various types of door butts.

Table listing different types of door butts.

Table listing various types of door butts.

Table listing different types of door butts.

Table listing various types of door butts.

Table listing different types of door butts.

Table listing various types of door knobs.

Table listing different types of sash fasts.

Table listing various types of screens.

Table listing different types of lacquered brass.

CHICAGO.

PRICES TO CONTRACTORS AND BUILDERS.

Table listing various types of brick, lime, and cement.

Table listing different types of lumber.

Table listing various types of metals and tinners' stock.

This class of goods are freely called for, and prices remain firm, as follows:—

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Paints and colors.

Table listing different types of white lead.

Table listing various types of zinc.

Table listing different types of French zinc.

Table listing various types of colors.

Table listing different types of mineral paints.

Table listing various types of oils.

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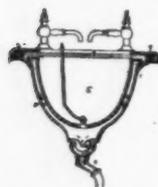
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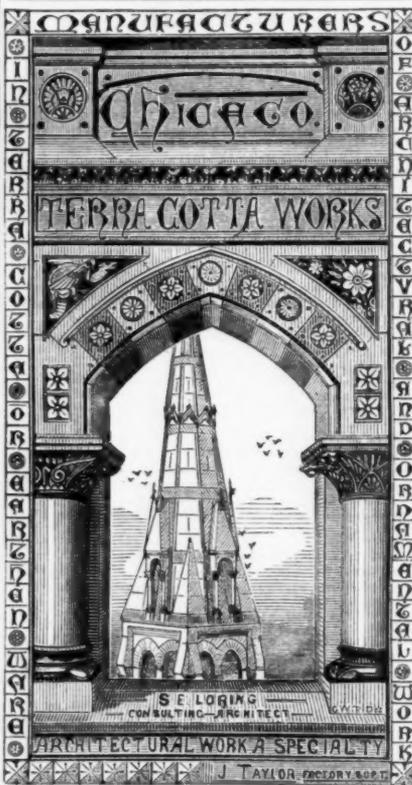
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**DREDGING THE TIBER.** — On the 19th of March the work of systematically dredging the bottom of the Tiber was begun, and important results are expected.

**CUT BONO?** — Hon. Isaac Adams of Sandwich, N.H., has constructed a stone wall around an eighteen-acre field in that town, that is nine feet high and nine feet thick.

**DRYING-KILN.** — In an English kiln for drying wood, the vapor arising from the evaporation of the sap is got rid of in the following ingenious way: A water-pipe of about two inches diameter, supplying cold water to the boilers, and always fully charged, enters the chamber at one end, and passes out at the other; but between its points of entrance and exit it is greatly amplified by being connected with what may be called three large gridirons of iron piping of about the same diameter as that of the supply-pipe. Each gridiron consists of fifteen vertical tubes, and through the whole system cold water passes continually. These pipes present a large area of cold surface; and on it the vapor arising from the drying wood condenses, falls to the bottom, and is drawn off and stored until a large quantity has been collected, when it is treated chemically to extract certain peculiar acids it contains.

**H. R. H. THE PRINCE OF WALES, TO THE R. I. B. A.** — The Prince of Wales has sent to the president of the Royal Institute of British Architects an autograph letter, requesting that the members of the Institute should exert themselves to make the architectural exhibit at the Exhibition of 1878 as representative as possible. The *causa scribendi* of this letter was, that the Prince had written a similar letter to the president of the Royal Academy; learning which, the president of the Institute caused it to be suggested to the Prince, that a similar letter would be acceptable to the architects.

**BUILDING INTELLIGENCE.**

Summary of the Week. — Reports from the Principal Cities of the Country.

[Reported for the American Architect and Building News.]

**Boston.**

The few permits that have been issued during the week ending April 18 seem to show that whatever buildings Boston architects have on hand must be mainly outside of the city itself. Only two permits have been issued for brick buildings: one to Mr. G. A. Clough, city architect, for a three-story schoolhouse to be built by Messrs. Holbrook and Harlow and Donahue Brothers; the other to Marshall Livermore, for 2 two-story dwelling-houses 22' x 36' with wooden cells.

12 permits have been issued for wooden buildings, 8 of which are to be used as dwellings, the others for storage purposes, to the following builders: H. Bailey, S. G. Chase, A. Anderson, J. Quirk, and W. H. Leach, who is to build 5 one-story dwellings 16' x 23' with ell 10' x 5'; also permits to E. Nathan and to J. P. Fenno.

Permits for alterations upon 51 buildings have been issued. 12 of these are of brick, the others of wood. 32 are occupied as dwellings, the others for miscellaneous purposes. The most important alterations are those undertaken by J. B. Wilson, who is to strengthen the tower and repair the roof of the First Universalist Church (brick); by D. R. Palmer, who is to add a new front, iron stairway to, and otherwise remodel, Williams Hall and market; and by J. Fagan and Hayford Warren, who are to remove 24 feet of the front of the Merrimac House and alter it for stores.

**THE HARDWARE MARKET.** — The market for builders' hardware is unchanged except in the article of nails, which have declined, and are now offered at an extremely low price. The demand for city buildings is still very small, but there is some improvement in trade outside of Boston.

**Brooklyn.**

Permits were issued by the Department of Fire and Buildings during the week ending April 15, to erect 38 new buildings.

**MUNICIPAL BUILDING.** — Work on the new municipal building in the rear of the City Hall is progressing rapidly. The first course of white marble for the front of the building has been received from Westchester quarries, and is being placed in position.

**Chicago.**

Number of permits for erecting, altering, and moving buildings for the week ending April 14, sixty-one. The following were for new buildings of one story and more:—

Stotz & Woltz, three-story and basement brick factory, 50 1/2 x 72 feet, 61 and 63 Illinois Street.

John Rowlands, two two-story and basement brick dwellings, 19 x 36 feet, 252 and 254 West Congress Street.

John R. Bowker, three-story and basement brick store and dwelling, 25 x 65 feet, 853 Wabash Avenue.

William Smith, two-story brick barn, 25 x 25 feet, 1581 Indiana Avenue.

August Oertel, two-story brick shop and dwelling, 24 x 51 feet, Larrabee Street.

P. O'Malley, two two-story and basement dwellings, each 20 x 40 feet, 149 and 151 North Market Street.

E. Pendergast, two-story brick dwelling, 22 x 46 feet, 92 Brown Street.

A. E. McKinney, five two-story and basement

brick dwellings with stone fronts, each 20 x 40 feet; Indiana Avenue, near Thirty-sixth Street.

D. F. Critly, two-story brick barn, 18 x 36 feet, 1229 Indiana Avenue.

H. D. Preston, two-story brick dwelling, 21 x 30 feet, 14 Clyborn Avenue.

B. McMahn, two-story and basement brick dwelling, 20 x 52 feet, 191 31 Avenue.

Miles Army, two three-story and basement brick dwellings with stone fronts, each 22 x 65 feet, 1212 and 1214 Prairie Avenue.

G. W. Prickett, two-story brick barn, 19 x 23 feet, 512 South Park Avenue.

J. Jeffers, two three-story and basement brick stores and dwellings, each 22 1/2 x 48 feet, Northeast corner Oak and Wasson Streets.

A. J. McBean, two three-story and basement brick stores and dwellings with stone fronts, 20 x 80 and 20 x 100 feet, 163 and 165 North Clark Street.

**WORKS IN PROGRESS.** — A dwelling-house for Charles E. Towne is being erected on Calumet Avenue, near 18th Street, from designs by W. L. B. Jenney, to cost \$15,000.

On Wabash Avenue, between Washington and Randolph Streets, east side, is now nearly completed for the Stiles-Burton estate, a wholesale store, 48 feet front and five stories high, brick with red sandstone front.

On Michigan Avenue, north of Randolph Street, Henning & Speed of Louisville, Ky., have just finished a store 64 feet wide and four stories high, for wholesale business.

**PROJECTED.** — An apartment house for M. F. Tuley, on north side of Van Buren Street, near Michigan Avenue, and adjoining the Beauvillage, four stories high, 50 x 80 feet, with eight flats. Architect, C. P. Thomas. To cost \$20,000.

**BRIDGE.** — The building of the Fuller-street Bridge is delayed, owing to the failure of one of the contractors. There is only a difference of \$40 between the party who accepted the contract and cannot fulfil it, and the next lowest bidder, to whom the mayor will probably award it rather than advertise again for new proposals, as an appropriation has been made for the purpose, and the bridge is greatly needed.

**WHOLESALE WAREHOUSE.** — Earnshaw & Gobel of this city have the contract for, and are now engaged upon, the construction of a large new building for the wholesale trade, at the corner of Franklin and Monroe Streets. The building, which will cost about \$75,000, is to be of Lemont marble, 50 x 194 feet, and five stories and basement. It is owned by George O. Hovey, Esq., a Boston capitalist.

**Cincinnati.**

**GOVERNMENT BUILDINGS.** — Work on the Custom House and Post-Office building will soon be resumed. The first instalment of Maine granite, for which the work has been delayed, is expected to arrive this week.

**DRY-GOODS ESTABLISHMENT.** — A building-permit was issued on the 14th inst. to John Shillito, Esq., for his dry-goods palace on the corner of Seventh and Race Streets. The estimated value is given by Mr. Shillito at \$150,000. The buildings at present occupying the site were lately sold for old building-materials, and realized only about \$2,500 for sixteen buildings.

**PRIVATE RESIDENCE.** — Mr. James A. Frazer proposes to build a residence on Mt. Auburn, and for that purpose has purchased property on Evans Street, from George K. Shoenberger, at a cost of \$42,000.

**New York.**

**BUILDINGS PROJECTED FOR THE WEEK ENDING APRIL 18.** — These are 38 in number,—brick, 13; brick and stone, 20; brick and iron, 1; brick and wood, 4. Armory, French flats, tenements, stores, factories, dwellings, and stables. Situated on E. 3d, W. 4th, W. 10th, W. 13th,

W. 18th, W. 42d, E. 43d, E. 48th, 118th, Chrystie, Pearl, Pitt, Spruce, and Stanton Streets, Broadway and Clinton Place, and 4th, 11th, and Park Avenues. Total value, \$630,000.

Owners.	Architects.	Builders.
J. Muller	J. G. Bayas	J. Rensen
Shook & Eward	F. S. Barris	
M. Gibbon	A. B. Jennings	Moran & Armstrong
Quackenbush Estate	D. & J. Jardine	
J. Gault	W. Jose	
J. Pope	J. B. Snodck	Amos Woodruff & Son
G. Deret & Co.	W. Grand	
Erndel Estate	J. Brandt	
C. Stuegel	J. M. Forster	C. W. Layeter
Caroline Collet	J. Beckell	
Mrs. Bogie	J. M. Forster	
R. Golet	J. M. Forster	Mac Eidlitz
7th Regt. N.Y. S.N.G's	C. W. Clinton	Van Dolan & Amot
G. Deret & Co.	J. R. Graham	Van Dolan & Amot
W. Snell	J. Beckell	
A. Koffmann	J. G. Bayas	
T. E. Foran	J. G. Bayas	
W. W. Martin, Junr.	J. G. Bayas	
J. N. Stearns & Co.	J. G. Bayas	
C. H. Styles	J. E. Waer	
C. H. Styles	J. E. Waer	

* Armory, 4th Avenue	\$50,000	Brick and granite.
+ 3 stores & tenements, Stanton St.	37,000	Brick.
4 French flats, W. 42d Street	48,000	Brick and stone.
4 French flats, W. 51st Street	36,000	Brick and stone.
1 Factory, E. 42d Street	25,000	Brick.
* 6 First-class dwellings, Park Ave.	72,000	Brick and stone.

**THE PRODUCE EXCHANGE.** — At a meeting of the members of the Produce Exchange the following resolution was unanimously adopted:

*Whereas*, The vote taken by ballot on the 27th day of March, relative to a new Exchange Building, renders the vote ordered to be taken on the 18th of April unnecessary; therefore, —

*Resolved*, That the vote by ballot ordered for the 18th inst. be indefinitely postponed.

**CHURCH.** — It is understood that the money which was realized by the sale of the Church of the Disciples on West 28th Street will be used for the erection of a new church upon a new site.

**MANUFACTORY.** — The Quackenbush estate will erect a brick building at Pearl and Elm Streets, to be used as a manufactory. The estimated cost is \$12,000.

**Philadelphia.**

**POST OFFICE.** — The Supervising Architect has sent orders to the contractors at Dix Island to commence shipping the stone for the new Post Office, a large portion of which is now ready for the superstructure. The report of Superintending Architect McArthur justifies the Supervising Architect in the belief that the stone of the basement and two stories of the superstructure will all be in position before the close of the working season. Out of the new appropriation of \$400,000 Mr. Hill will also be able to give orders for a considerable part of the stone for the rest of the building, so that with fair appropriations the erection of the building can be continued in future without delay.

**MARKET.** — A large market-house is being erected at Eighth and Berks Streets.

**General Notes.**

**BELFAST, ME.** — Between \$24,000 and \$25,000 have been subscribed for the proposed Masonic Temple.

**COVINGTON, KY.** — A new front of iron and plate-glass is to be put into the lower story of the old Planters' House, on Madison Street, above Seventh.

**FRAMINGHAM, MASS.** — A wooden storehouse is to be built at the camp-ground, the arsenal having proved insufficient for the proper care of the property. Plans for the construction of a magazine have also been drawn. They are for a brick edifice, with thin double walls, having an air-space between, and a small work-room of wood on the front of the building.

**HARTFORD, CONN.** — The corner-stone of the Roman Catholic cathedral on Farmington Ave-

nue was laid last Sunday afternoon, at three o'clock.

NEWARK, N.J. — A gateway of the pointed Gothic style, to cost \$18,000, is to be erected at Mount Pleasant Cemetery. On either side there are to be uniform two-story buildings, 36 x 36, with steep roofs. Over the centre of the gateway will be a turret 50 feet high, surmounted by a foliated cross. The whole will be of Belleville stone.

NEW HAVEN, CONN. — Work has been commenced on the new Grand Opera House. The building is to be completed on the 1st of October. From descriptions of the structure in the New Haven papers, it promises to be elaborate as well as substantial.

SPRINGER MUSIC HALL. — The specifications for the Music Hall, under the new plans, are now ready at the office of the architect, Hannaford & Proctor, for examination by those desiring to bid. The specifications are for the brick-work, ironwork, rough masonry, and freestone work.

ST. JOHNSBURY, VT. — The building-schemes of the North Congregational Church are ripening, and a new brick edifice will soon result. Gov. Fairbanks is chairman of the building-committee, and \$38,000 have been already pledged. Lambert Packard is the architect.

SPRINGFIELD, O. — Bids for the erection of a building for a Children's Home in this city are advertised.

WINSTED, CONN. — The Herald is imperative in its demand that Music Hall in that place should be remodelled. The building is declared to be unsafe and in great danger of fire.

WORURN, MASS. — Work on the new library building will commence in a few days.

Gamewell's Fire-Alarm System.

The city of Evansville, Ind., has decided to adopt Gamewell's American Fire-Alarm System, and the order for the apparatus, boxes, gongs, etc., has been given to the Telegraph Supply Company of Cleveland, O. This is the same establishment that recently fitted up the Baldwin, the new palace hotel of San Francisco, with electric bells, fire-alarms, watchmen detectors, etc. They are also the exclusive manufacturers of Brush's new machine for producing electricity for the electric light, and for electro-plating. All that is new in electricity may be found at their establishment.

Publishers' Department.

The American Architect and Building News.

PUBLISHED WEEKLY BY JAMES R. OSGOOD & CO., WINTHROP SQUARE.....BOSTON.

A JOURNAL OF CONSTRUCTIVE AND DECORATIVE ART, DEVOTED TO THE INTERESTS OF ARCHITECTS, BUILDERS, DECORATORS, ETC.

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A cordial indorsement by members of the profession.

(Copy.)

N. Y. CHAPTER OF THE AMERICAN INSTITUTE OF ARCHITECTS, 128 BROADWAY (COR. CEDAR STREET), NEW YORK, Jan. 16, 1877.

MESSRS. JAMES R. OSGOOD & CO. Gentlemen, — At the close of the first year of the American Architect and Building News we desire to express our satisfaction at its establishment, and at the way in which it has been conducted. The excellent literary character it has maintained is calculated to commend it to persons of intelligence and culture outside the profession; and by thus interesting the general public in professional matters at the same time that it presents them from a strictly professional point of view, it is doing both the profession and the public the greatest service.

It would be a great gratification to us if it could also be made, as it deserves to be, the customary and recog-

nized channel of communication, through its correspondence and its advertising columns, between architects, the makers of building-appliances, and the public. This would be a personal convenience indeed to ourselves, as the pages of the journal are more handy and easy of reference than cards and circulars.

You are at liberty to make any use of this communication that you may judge best adapted to forward the interests of the journal. — Interests which are in our judgment also those of the profession itself. Wishing it every prosperity, we are

- Very respectfully yours, R. M. HUNT, HENRY DUDLEY, CHARLES C. HAIGHT, EDWARD H. KENDALL, HENRY FERNBACH, WM. A. POTTER, EMLEN T. LITTELL, R. M. UPJOHN, CARL PFEIFFER, GEO. E. HARNEY, NELSON L. DERBY, A. J. BLOOR, CHARLES F. MCKIM, H. HUDSON HOLLY, HENRY M. CONGDON, H. J. HARDENBERGH, CHAS. D. GAMBHILL, JOS. SANDS, CHAS. W. CLINTON, R. H. ROBERTSON, R. G. HATFIELD, O. P. HATFIELD, GEO. B. POST.

PROVIDENCE, March 8, 1877.

MESSRS. JAMES R. OSGOOD & CO. We the undersigned, members of the Rhode Island Chapter, A.I.A., heartily unite in the indorsement of the excellence of the American Architect and Building News, and in the recommendation to the public and the makers of building-appliances to make its columns the medium of communication with architects.

- ALF. C. MORSE, ALFRED STONE, C. P. HARTSHORN, E. I. NICKERSON, C. E. CARPENTER, GEO. C. MARON, JUN., GEO. W. CADY, CHAS. F. WILCOX.

BOSTON, FEB. 1, 1877.

We the undersigned, members of the Boston Chapter of the American Institute of Architects, cordially subscribe to the foregoing indorsement of the excellence of the American Architect and Building News.

- E. C. CABOT, JOHN H. STURGIS, C. A. CUMMINGS, W. T. SEARS, H. W. HARTWELL, JOS. E. BILLINGS, F. H. MOORE, GEO. B. SHAW, CHARLES BRIGHAM, A. C. MARTIN, JOHN A. FOX, WM. H. WADE, N. J. BRADLEE, HENRY VAN BRUNT, R. G. SHAW, F. W. CHANDLER, ALBERT G. SWASEY, ROBT. S. PEABODY, JOHN G. STEARNS, LOUIS WEISSBEIN, ALEX. R. ESTY, GEORGE SNEEL, GEORGE A. CLOUGH, S. J. F. THAYER.

(Copy.)

N. Y. CHAPTER OF THE AMERICAN INSTITUTE OF ARCHITECTS, 128 BROADWAY (COR. CEDAR STREET), NEW YORK, Jan. 18, 1877.

PRESIDENT MECHANICS' AND TRADERS' EXCHANGE. Dear Sir, — At a meeting of this Chapter held on the 16th inst. action was taken on the subject of the weekly journal entitled the American Architect and Building News; and I was directed to communicate with you, and to suggest that the building-interests generally would be likely to be advanced if that serial should be made, as it deserves to be, the customary and recognized channel of communication, through its advertising columns, between the manufacturers and venders of building-appliances and the public.

Both architects and the general public are apt to throw cards and circulars into the waste-paper basket; but if their contents were advertised in the above-mentioned journal they would be in permanent shape, handy and easy of reference.

The address of the American Architect and Building News is Cathedral Building, Winthrop Square, Boston, Mass.

Hoping that you will take some pains to interest the members of your organization in the subject, I am Yours respectfully, A. J. BLOOR, Secretary.

Letters from other sources.

From the number of letters received since Jan. 1, renewing subscriptions to the ARCHITECT, we take the following extracts: —

JAMES R. OSGOOD & CO., TOLEDO, O., Jan. 10, 1877. Gentlemen, — We enclose you postal order for \$6, for our subscription of the Architect and Building News. We beg to congratulate you on the success of the paper; and to give you an idea of our opinion of it, we would say that we would not be without it in our office, if it cost \$25 instead of \$6 a year.

A Massachusetts subscriber: "I got more useful hints and valuable building information out of the fifty-three numbers of last year, than I ever did from any six dollars I have spent for similar purposes during the past decade."

A dealer in building-materials: "I have found your paper a valuable advertising medium, tracing several large sales directly to the card in your columns. Were your prices trebled I should consider it a cheap medium."

Another of the same: "Your paper reaches the very classes I desire to reach. It is on the whole cheaper, more direct, and more satisfactory than circulars, upon which I had principally depended before your agent called upon me."

CLASSIFIED ADVERTISEMENTS.

Table listing various categories of advertisements such as ARCHITECTS, ARCHITECTURAL BOOKS, BLINDS, BRICK, etc., with corresponding page numbers.

Table listing various categories of advertisements such as BUILDERS' HARDWARE, BUILDERS IN IRON, CEMENT, CHURCH FURNITURE, etc., with corresponding page numbers.



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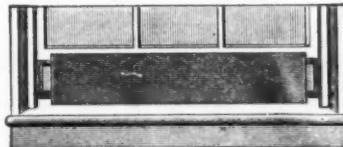
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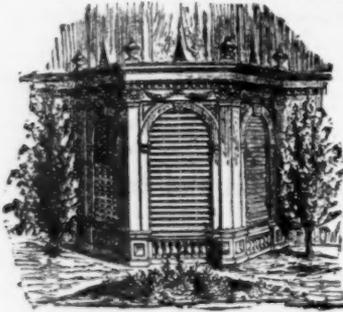
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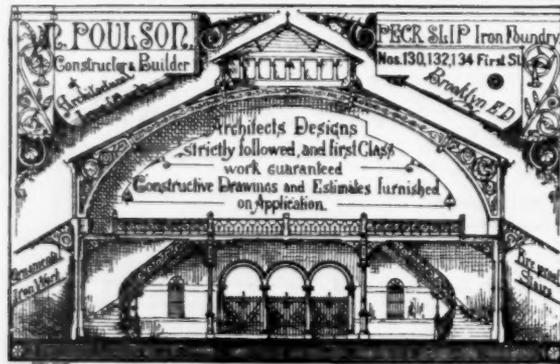
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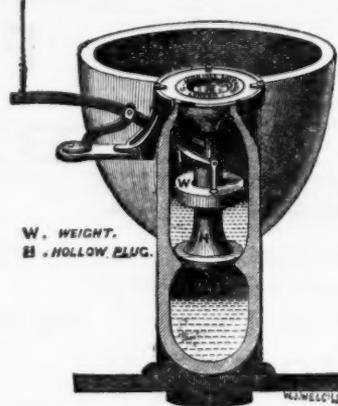
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# AMERICAN ARCHITECT AND BUILDING NEWS

A WEEKLY JOURNAL OF CONSTRUCTIVE AND DECORATIVE ART.

VOL. II. No. 70.]

SATURDAY, APRIL 28, 1877.

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Mr. HOTT will be pleased to wait upon Architects, when desired, to explain our methods, and to present for inspection construction plans and estimates for any specific work.

**PROPOSALS.**

**CITY OF PROVIDENCE.**

**GRANITE SIDEWALK FLAGGING.** Sealed proposals for Granite Flagging around the new City Hall Building will be received by the City Hall Commissioners at their office, No. 5 What Cheer Building, until twelve o'clock, M., May 10, 1877.

For plans, specifications, forms of proposal, and bond, apply to the Commissioners as above, or to the architect, S. J. F. Thayer, No. 40 Water Street, Boston, Mass.

Each bid must be accompanied by a bond in the sum of \$3,000, that a contract will be signed within ten days of the reception of bids.

The party to whom the contract may be awarded must execute a satisfactory bond in the sum of \$8,000 for the faithful execution of the contract.

The Commissioners do not bind themselves to accept the lowest or any bid.

WILLIAM G. R. MOWIE, HENRY G. RUSSELL, WILLIAM M. BAILEY, City Hall Commissioners.

**SCHOOL HOUSE.**—Sealed proposals will be received at the office of C. H. Nichols & Co., on or before the fifteenth day of May, at one o'clock, P.M., for the erection of an addition to the School Building in the village of Onalaska, Wis., according to the plans and specifications now in the office of said C. H. Nichols & Co. The Building Committee reserve the right to reject any and all bids. By order of Building Committee. W. H. STANLEY, Chairman.

**IRON BRIDGE.**—Sealed proposals will be received at the office of the County Commissioners, in the city of Wilkes Barre, Penn., until Wednesday, May 2, 1877, at nine o'clock A.M., for the purpose of building an iron bridge over Solomon's Creek, in Hanover Township, Luzerne County, Penn., at a point where said creek crosses the public highway leading from Wilkes Barre to Nanticoke, and near the Buttonwood schoolhouse. The width of the stream at said point is about thirty feet. Plans and specifications for said bridge may be seen at the Commissioner's office. Bidders to accompany their bids with plans and specifications of such bridges as they know to be durable and economical; the County Commissioners and Supervisors of the township reserving the right of choice, to reject any or all bids. Proposals must be sealed and indorsed, "Proposals for building a drive over Solomon's Creek, in Hanover Township." SAMUEL LINE, PETER JENNINGS, N. N. DEAN, County Commissioners.

**PUBLIC HALL.**

LEBANON, WARREN CO., O. The council of the incorporated village of Lebanon, Warren Co., O., will receive sealed proposals until 12 o'clock (noon) on the 8th day of May, 1877, for the erection and completion of a Public Hall.

Separate proposals will be received as aforesaid for excavation of cellar, stone-work for foundation, brick-work, freestone-work, carpenter-work, plastering, painting and glazing, tin-work, galvanized-iron work, and gas-fitting.

Said proposals must be made in conformity to law, and in compliance with the plans and specifications, which may be seen, and further information had, at the mayor's office in said village, No. 2, Odd Fellows' Building, Broadway, Lebanon, O.

The said Council reserves the right to reject any and all bids.

By order of the Council of said village. SAMUEL A. CHAMBERLIN, Clerk of said village.

**IRON WORK.**

BROWNSTOWN, W. VA. Proposals for the iron-work of a moveable dam on the Great Kanawha River, West Virginia, near Brownstown, will be received until noon of May 16, 1877, and opened immediately thereafter.

Blank forms, specifications, and any desired information can be had on application to this office.

W. P. CRAIGHEAD, Major of Engineers, UNITED STATES ENGINEER OFFICE, BALTIMORE, MD., April 22, 1877.

**SCHOOL HOUSE.**

BETHEL TOWNSHIP, O. Sealed proposals will be received at the office of the Clerk of Bethel Township, Clark County, Ohio, until 12 M., on the 19th day of May, 1877, for building a brick schoolhouse in Sub-District No. 5 of said Township, according to plans and specifications on file in said office. Each bid shall state for how much less the said house will be built for the privilege of using all the good material in the old schoolhouse in said sub-district in the construction of the new house. For further information apply to the undersigned. By order of H. N. TAYLOR, Township Clerk, New Carlisle, O.

**STEAM HEATING APPARATUS.**

UTICA, N.Y. The committee on county buildings will receive sealed proposals up to May 12, at G. W. Kinney's office, Rome, N.Y., for heating the county house with steam. Plans for an extension to be built on said building can be seen at Architect Cooper's office, Utica, N.Y. The contract will be awarded to the lowest responsible bidder. Committee reserve the right to reject any and all bids. G. W. KINNEY, Chairman.

**PROPOSALS.**

**LODGES AND WALLS.**

OFFICE OF NATIONAL CEMETERIES, WASHINGTON, D. C., April 5, 1877.

Sealed proposals in triplicate, with a copy of this advertisement attached to each, will be received at this office until Monday, May 7, 1877, for the construction of Superintendent's Lodges, of brick or stone, and enclosing walls of brick or stone, at the National Cemeteries at Baton Rouge and Pineville (near Alexandria), La. Also for the construction of an enclosing wall of brick or stone, around the Port Hudson (La.) National Cemetery.

The work will not be begun before the autumn of the present year. During its progress it will be frequently inspected by competent engineers, and a strict compliance with the terms of the contract will be required.

The right is reserved to reject any or all bids not deemed of interest to the Government.

Copies of plans and specifications may be seen, and blank forms of proposals procured, at this office, and at the Quartermasters' offices, at Louisville, Ky., St. Louis, Mo., New Orleans, La., Baton Rouge, La., Pineville, La., and Huntsville, Ala.; also at the Cemeteries above mentioned.

Proposals should be indorsed, "Proposals for Lodges (or Walls) for National Cemeteries," and addressed to the undersigned. They will be opened at noon on the date specified, when bidders are invited to be present.

A. F. ROCKWELL, Captain and Assistant Quartermaster.

**PRISON.**

OFFICE OF THE DIRECTORS NORTHERN INDIANA STATE PRISON, MICHIGAN CITY, IND., April 11, 1877.

The directors of the Northern Indiana State Prison will receive sealed proposals at their office at Michigan City, Ind., until the seventeenth day of May, 1877, at 12 M., for furnishing all materials and completing the north-wing of cell-house of said Prison, now in process of erection; also proposals for furnishing all materials, and erecting two workshops ready for use. Said cell-house and workshops to be constructed according to the plans and specifications on file in Warden's office. The labor and hire of as many convicts as can be worked in the erection of said buildings shall be used. Each proposal for cell-house must be accompanied by bond of ten thousand dollars, and each proposal for workshop by a bond of five thousand dollars, conditional that the bidder will, if his proposal is accepted, enter into a contract and give bond with sufficient security for its faithful performance. Full particulars can be ascertained at Warden's office, Michigan City, Ind. The Directors reserve the right to reject any and all bids. All proposals must be addressed to Proposals for Buildings, Directors of Northern Indiana Prison, care of Charles Mayne, Warden, Michigan City, Ind.

R. DYKES, Kendallville, Ind., CHARLES B. LUTHER, Valparaiso, Ind., J. W. BAKER, Columbia City, Ind., Directors.

**STEAM HEATERS.**—The Committee on

County Buildings will receive sealed proposals and bids up to May 12, at G. W. G. Kinney's office, Rome, N.Y., for heating the County House with steam. Plans for an extension to be built on said building can be seen at Architect Cooper's office, Utica. The contract will be awarded to the lowest bidder. Committee reserve the right to reject any and all bids. G. W. G. KINNEY, Chairman.

**PUBLIC BUILDING.**

CLARK COUNTY, O. Sealed proposals will be received at the office of the Auditor of Clark County, O., until 12 M., of Thursday, May 10, 1877, for the erection of the Children's Home in said County, according to the plans, etc., on file in the Auditor's office. Proposals can be made for the building complete, except steam heating, or for the different trades separately. Proposals for steam-heating must be tendered separately from other proposals. The architect will be in attendance two days previous to the letting of the contract, to give all necessary information and explanations of the plans. Further information and blanks for proposals can be obtained from the undersigned. QUINCY A. PETS, Auditor.

**JAIL.**

MILTON, ONT. Tenders will be received up to noon of May 15, 1877, for the several works required in the erection of a new Jail, and addition to the Court House, in the town of Milton, Ont., in accordance with plans and specifications prepared by James Vailour, architect, Hamilton. Sealed tenders, indorsed "Tenders for County Buildings," to be sent to Finlay McCallum, Treasurer, Halton County, Milton. Plans and specifications may be seen at his office. The Council do not bind themselves to accept the lowest or any tender. Security will be required.

MATHEW CLEMENTS, Warden, County Halton, Trafalgar P. O.

**HEATING AND PLUMBING.**

PONTIAC, MICH. Sealed proposals will be received by the Board of Building Commissioners, Pontiac, Mich., until 2.30 P.M., of Tuesday, May 29, 1877, at which time said proposals will be opened, for all labor and materials required for the heating and plumbing of the Eastern Asylum for the Insane, at Pontiac, Mich., including boilers, tanks, pumps, cold and hot water, and steam distribution, bath-room, lavatory, and closet fixtures, etc., in accordance with plans and specifications adopted by said Board. Said plans can be examined at the office of the Superintendent at Pontiac, on and after May 8, 1877, or for further information relative to plans or conditions, address C. M. WELLS, Superintendent of Construction.



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BOSTON. PRICES TO CONTRACTORS AND BUILDERS.

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Table for PAINTS AND OILS (Whiting, Paris white, English, etc.).

Table for LIME (Quoted at \$1.00 @ \$1.10 per cask for Rockland and Rockport).

Table for CEMENT (Rosendale, Portland, Roman, etc.).

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Table for Door Butts (Japanned Acorn, Plain Bronzed Iron, etc.).

Table for Door Knobs (Solid glass, Silvered glass, etc.) and Sash Fastenings (Plain brass, self-locking, etc.).

Table for Screws (Round head, nickel plated) and Store Door Handles (with mortise latch).

Table for Lacquered brass and Bronze metal.

CHICAGO. PRICES TO CONTRACTORS AND BUILDERS.

Table for BRICK, LIME, AND CEMENT (Lime, in bulk; Building brick, etc.).

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Table for METALS AND TINNERS' STOCK (Tin plate, 1 C 10 x 14, charcoal; Tin plate, 1 C, 10 x 14, charcoal, etc.).

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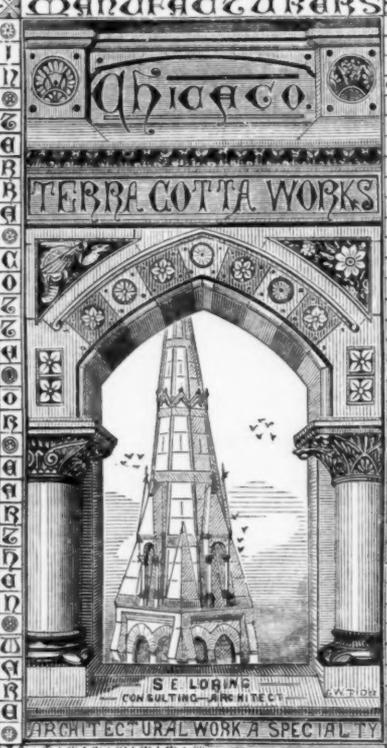
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 This guaranty accompanies every basin sold to our patrons:  
 We hereby pledge ourselves to remove our basins, and replace them with any other kind now in use, that parties interested may select, without expense to them, immediately on their failure to fulfil the following conditions, provided the trap is kept in running order:—  
 1st. We warrant our trap to remain free and open as long or longer than any other trap used with wash-bowls, and they are easily cleaned in case of stoppage.  
 2d. No overflow or leakage of any kind will occur.  
 3d. No sewer gas will escape from the drain or pipe, or any offensive smell arise from them.  
 4th. These bowls will remain free and clear from any accumulation of soap or grease or other offensive matter in the space between the inner and outer bowls.  
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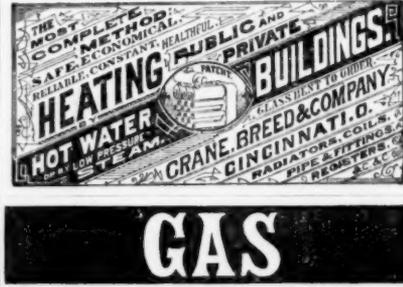


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**AMERICAN SLATE.**—It has been said that nearly twenty thousand tons of American roofing-slate were sent last year to England and Ireland, and found a ready market. Several shipments were made direct to Cardiff, Wales, the greatest centre of the slate trade of the world. The shipments during the present year bid fair to be much larger than last. In mitigation of this statement may be quoted a letter that appeared in a late number of the *Builder*, where the writer speaking from experience says that "some at any rate of these slates are being sold as Welsh slates, to which they are very inferior, and only suited for Jerry work."

**"OLD NEWGATE."**—In 1707 a copper-mine was opened in what is now East Granby, Conn., and was worked for about seventy years. The British Government caused all the ore to be sent to England for smelting, a proceeding which eventually caused the failure of the enterprise, and the abandonment of the mine in 1773. A portion of the ore was, however, abstracted by German workmen, and about 1737 a large number of coins, which had currency throughout the colony under the name of "Granby coppers," were struck off. The mine was purchased by the colony, and was used during the Revolution as a prison for Tories and British soldiers. In 1790 it was established as a permanent State-prison, and was used as such until 1827, workshops, offices, and officers' quarters being erected near the shafts of the mines in whose caverns the prisoners were confined at night.

**THE STATUE OF LIBERTY.**—Bedloe's Island has been abandoned as a military post, in order to make room for M. Bartholdi's statue of Liberty.

**THE SWEDISH SCHOOLHOUSE.**—The New York Park Department some time ago purchased of the Swedish Government the model schoolhouse exhibited at the Centennial Exposition, and propose to re-erect it in Central Park, on the west side, north-west of the Belvidere. A communication has been lately received from the Secretary of the Treasury, stating that the building might be removed from Philadelphia without the payment of duty.

**MACHINERY HALL.**—It is still undecided what is to become of Machinery Hall.

**SUBTERRANEAN PASSAGE.**—Recently the workmen came upon a subterranean passage of considerable extent leading from the Palace of the Tuileries to the *Place de la Concorde*, and it is generally believed that through it King Louis Philippe and his wife passed from the Tuileries, on the 25th of February, 1848, to escape from the mob. The passage is to be kept intact.

**DOG-ASYLUM.**—A lady of Marseilles has just left a legacy of \$17,000, to found an asylum for stray dogs.

**BUILDING INTELLIGENCE.**

Summary of the Week.—Reports from the Principal Cities of the Country.

[Reported for the American Architect and Building News.]

**Boston.**

There still continues to be little building in progress or projected in the city.

**BRICK AND IRON.**—Permits have been issued to the following builders:—

To J. E. Robinson, to erect an iron office building 18 x 11 with an arched roof.

To M. Sullivan & Sons, to erect a brick tenement building 21' x 26', four stories in height.

To F. M. Tarbox, to erect a two-story brick dwelling 20' x 30'.

To T. E. & W. H. Stuart, to erect a two-story brick building 30' x 61'.

To T. Goggin, to erect a five-story brick brewery and ice-house.

**WOODEN BUILDINGS.**—Only six permits have been issued for frame buildings, four of which were for dwellings, one for a store, and one for an office,—to the following builders: J. D. Webster, W. Hunt, E. F. Brown, S. M. Shapleigh, J. S. Brazillan, T. Curley.

None of the buildings are to be more than two stories in height.

**ALTERATIONS.**—37 permits for alterations and additions have been issued, 24 of which were for alterations to be made in dwellings, 7 of these having stores under them. The others were for alterations on various buildings.

The most important alteration is to be carried out by D. Dewar, who is to take down and rebuild the brick dwelling and store at 639 Shawmut Avenue.

**A NEW THEATRE.**—The lot of land on Haymarket Place, upon which the erection of a theatre was begun a year since, is to be brought into use for that purpose. The plans are all drawn, and work will be begun at once, or as soon as the details in regard to entrances and other important matters can be agreed upon. It will be much such a house internally as the Union Square Theatre, New York, with two circles above the lower floor, and several private boxes. The seating capacity will be about 1,200. It is intended to have the house ready by the 1st of October. The main entrance will be from Washington Street, through the long store in front, now vacant; and there will be two other exits, one through the passage-way, and the other into Haymarket Place. The foundations of the house are already laid.

**SUDBURY RIVER DAM.**—The contract for building Sudbury River Dam No. 1 has been awarded to Beckwith & Quackenbush, the lowest bidders, and a bond in the sum of \$16,000 was ordered.

**Brooklyn.**

**MUNICIPAL BUILDING.**—The first tier of iron beams has been laid, and the work is going forward as fast as the weather permits. The first large payment to contractors was made on Saturday last to Mr. Lamb, on a warrant of \$8,000 for mason-work.

During the week ending April 21, permits for the erection of 51 new buildings were granted by the Department of Fire and Buildings.

**Chicago.**

The total number of permits granted for new buildings, alterations, and moving buildings, for the week ending April 21, was 44. The following were for new buildings of two stories and over:—

L. A. Babcock, three-story and basement brick store and dwelling, 29 x 60 feet, 835 W. Lake Street.

G. A. Barbier, 10 two-story and basement stone-front dwellings, each 20 x 40 feet, on Indiana Avenue near 36th Street.

S. Windbichl, two-story and basement brick store and dwelling, 21 x 60 feet, 403 Larrabee Street.

F. Koch, two-story basement and attic brick dwelling, 26 x 43 feet, Wells Street near Eugenia.

Beal & Duell, two-story livery stable, 50 x 65 feet, 142 & 144 W. Madison Street.

Samuel Johnston, 6 two-story basement and attic dwellings, each 16½ x 44 feet, Chestnut Street near Wells.

Charles E. Hess, two-story basement and attic stone-front dwelling, Superior Street near Dearborn.

**PROJECTED.**—The only projected building of importance for which permit has not yet been taken out is a first-class dwelling-house for owner's occupancy on Dearborn Avenue near Burton Place. Owner J. P. Wilson, architects F. & E. Baumann. The house will measure 45 x 68 feet extreme dimensions, will have brownstone front, and is estimated to cost \$13,000.

**Cincinnati.**

Building-permits have been issued by the Board of Public Works from March 24 to April 17, as follows: 59 for repairing, estimated cost \$45,000; 22 brick houses, estimated cost \$320,000; and three frames, estimated cost \$4,500; total, \$369,500. Among the brick houses is a permit for John Shillito & Co. new dry-goods establishment, estimated to cost \$200,000.

**Indianapolis.**

**WORKS IN PROGRESS IN I. HODSON'S OFFICE.**—Orphan Asylum at Terre Haute, designed in the French style, cost \$100,000; Polytechnic Institute at Terre Haute, English Gothic, cost \$150,000; Court House at Columbus, just completed of fire-proof material at a cost of \$175,000, designed in the French Renaissance.

**WORKS IN PROGRESS IN EDWIN MAY'S OFFICE.**—Schoolhouses at Covington, \$30,000; at Hagerstown, \$10,000; and one in the city, \$13,000.

The Hamilton County Court House competition has been decided. Edwin May of this city is the successful competitor. It was very strongly contested by the friends of the parties competing. Amongst the 22 designs submitted, 5 were from this city. The building is estimated to cost \$125,000. Quite a number of public works will be projected in different parts of the State, but very few private enterprises.

**Milwaukee.**

Contracts for the following buildings have been made since the last report:—

E. T. Mix, architect: frame dwelling for F. Bigelow, Prospect Avenue, \$5,600; brick dwelling for Elias Friend, corner Cass and Martin Streets, \$20,000; a double frame dwelling for Messrs. Bryant & Holbrook, Farwell Street, \$5,000; frame cottage for H. M. Finch, Cass Street, \$4,000; brick store, with stone front, for A. J. W. Pierce, West Water Street, \$6,000; repairs and alterations in a brick block of three dwellings on Wisconsin Street, \$4,100.

H. C. Koch & Co., architects: brick dwelling for August Uehlein, corner Fourth and Galena Streets, \$12,300; frame dwelling for Mr. Bohan, Farwell Street, \$6,000; frame cottage for Gov. Luddington, Farwell Street, 3,000; brick-cased dwelling for Dr. Hasse, South Side, \$4,500; frame cottage for John Gregg, Twenty-third Street, \$24,000; alterations of the Second Ward Bank, \$5,600; Gothic vault for the Union Cemetery, \$2,500.

Reading the reports of "building intelligence" causes one to wish for similar facilities of gaining correct information that those have who send reports from Chicago, St. Louis, and several other cities, where a system of "building-permits" prevail. The absence of any sys-

tem in this city makes it difficult to gain correct information of "projected buildings," except those for which plans are made by the regular architects. We have counted about thirty buildings in different parts of the city, commenced within the last three weeks, varying in value from \$1,500 to \$3,000, for which no plans have been made by an architect.

**Minneapolis, Minn.**

The Board of Education have secured plans and awarded the contract for the erection of another large building to take the place of the old Jefferson School Building, destroyed by fire last year. The building will be 82' x 92' on the ground, three stories high; the walls are to be of brick, with stone belts, etc.; in the centre of the front is to be a tower 75' high. It is intended to make the building practically fire-proof, the partition walls being of brick, and the stairways of brick and iron. The style of architecture is modern Gothic with Mansard roof. L. S. Buffington is the architect.

**New York.**

**BUILDINGS PROJECTED FOR WEEK ENDING APRIL 25.**—These are 37 in number,—consisting of stores, French flats, factory, dwellings, stables, 23 brick, 1 stone, 9 brick and stone, and 4 wood. Situated on 1st, 2d, 4th, E. 16th, E. 29th, E. 38th, W. 49th, 64th, 108th, 148th, Allen, Clinton, Willet, and Vanderwater Streets, and 4th, 5th, 10th, 11th, B, Bickwell, Courtlandt, Grand, and Willis Avenues, Waverly Place, and Bowery. Total value, \$373,500.

Owners.	Architects.	Builders.
C. Elman		
G. H. Winter		J. A. Lang
E. W. May	C. Baxter	
W. Woodman	J. A. Wood	G. Pigott
Catereon & Clark		H. Hatch
G. Sauterback	L. Falk	A. Dunbar
E. Goumel	W. Jose	
P. Hubner	W. Jose	
P. Hubner	W. Jose	
W. McBurnie	J. G. Prague	
G. J. Morris	J. Corrigan	
H. F. Canine		M. Lapp
J. Fagan	G. W. Da Cunha	
D. L. Braine	D. L. Braine	
Gill & Mansfield	Gill & Mansfield	
J. C. Henry	C. Baxter	J. C. Henry
E. T. DeForest	G. T. Johnson	J. Ross
D. W. Lohling	J. G. Prague	T. Flinn
P. H. McGrath	S. Murphy	
A. Ottenberg	W. E. Warring	
H. P. Schemenger	J. M. Dunn	
M. F. Brophy	A. Spence	
H. A. Barnard	J. Baker	
J. Gottlieb	J. Baker	
C. Fish	H. Peiring	Kingston & Hoffman
Wagner, Rheinfrank, & Co.	W. Graul	
J. H. Hollenbeck	E. Sniffin	
J. & G. H. Van Horn	A. B. Jennings	E. Title
T. Dustinbury	A. B. Jennings	E. Title

\* Printing establishment, Vanderwater St., \$125,000. Brick.  
 † French flats, E. 16th Street, 20,000. Brick & stone.  
 ‡ French flats, 64th Street, 20,000. Brick & stone.

**APARTMENT HOUSE.**—A building to be used as a French flat will be erected by J. Fayon at No. 110 Waverly Place. It will cost \$14,000.

**NEW STORES.**—A very substantial building has been erected and just completed on the north-west corner of Broadway and Thirtieth Street. The edifice has been well constructed; has an extent of 47 feet 4 inches on Broadway, and a depth of about 92 feet along Thirtieth Street. It consists of stores and flats, with two very large basements. It is the intention of the owner, Mr. Josiah Jex, to build on the entire block along Thirtieth street, to Sixth Avenue, and the work will be begun in a very short time. The contemplated buildings will be similar to those now erected and known as Nos. 1,231 and 1,233 Broadway.

**PRINTING-ESTABLISHMENT.**—It is proposed to erect a building to be used as a printing-

establishment at Nos. 17, 19, 21, 25, and 27 Vanderwater Street. The estimated cost is \$125,000. A correspondent of the Evening Post in the issue of the 20th inst. says, —

"In regard to building all over the city, nothing short of ten thousand houses will meet the probable demand for the next three years, and these ought to be begun at once in order to keep rents down to rates that will not drive tenants out of the city. So cheap is building at this time that whoever builds at present prices can confidently rely upon an advance in the value of houses within two years of at least one-fourth the cost, as the work can now be done full forty per centum less than four years ago."

Philadelphia.

THE PUBLIC BUILDINGS. — The Public Building Commission has postponed, for the present, any further work on the buildings on account of the recent action of City Councils.

Among a large number of permits issued recently by the Building Inspectors for the improvement and erection of new structures, the following are some of the most important: —

T. W. Wright, one four-story factory, 42 by 30 feet, Osceola Street, Germantown. W. A. Coggins, six two-story dwellings, 14 by 39 feet, Bailey Street, above Oxford, also six three-story dwellings, 15 by 46 feet, Twenty-seventh Street, above Jefferson. A. B. Belyen & Son, five three-story buildings, 15 by 44 feet, Montgomery Avenue, east of Franklin Street. William E. Wrightly, thirteen two-story dwellings, 14 by 42 feet, Kepp and Cambria Streets. G. W. Hubert, two two-story dwellings, 18 by 28 feet, Cumberland and Aramingo Streets, above Cedar. Citizens' Passenger Railway Company, one one-story car-house, 80 by 146 feet, northwest corner of Twelfth Street and Montgomery Ave. John Foreman, four two and three story dwellings, 13 x 49 and 19 x 60 feet, Twenty-second and Croskey Streets, above Berks. W. T. B. Roberts, eight three-story dwellings, 18 by 53 feet, Twenty-second Street, south of Erie Avenue. C. W. Wright, eight three-story dwellings, 15 x 48 feet, Montgomery Avenue, east of Seventeenth Street. James W. Parker, eighteen three-story dwellings, 15 x 58 feet, Thirtieth Street, north of Diamond. Bristow & Brother, ten two and three story dwellings, 15 and 14 x 30 feet, Mehl and Wakefield Streets, Germantown. George E. Bleim, eight four-story dwellings, 18 x 68 feet, Spruce Street, east of Twenty-third.

Providence.

Building-matters are beginning to be somewhat more encouraging, although there are no large projects yet made public.

PUBLIC BUILDINGS. — The City Hall, Court House, and hotel, are gradually advancing to completion. The foundations of the new High School are in good progress, and the library of Brown University is well advanced towards completion.

CHAPEL. — The First Congregational Society have made contracts for a new stone chapel and Sunday-school rooms at a cost of near \$14,000.

GRAIN ELEVATOR. — A new elevator, to contain about 60,000 bushels grain, is to be built on one of the wharves. It will be 132 feet long, 52 feet wide, 90 feet high, with double railroad track through it.

RECTORY. — Grace Church Corporation is about building a new rectory of brick and stone. A block of brick dwellings is in progress on Alvin Street, and various other private buildings are in hand in the architects' offices.

HARBOR. — A plan has been prepared and laid before the Harbor Commissioners for the improvement of the river and bay, which if carried out will give Providence a high rank among commercial cities, and bring into service the very great advantages of Narraganset Bay as a distributing harbor.

St. Louis.

Thirty-eight permits have been issued for the week ending April 16. Two of these are for frame structures of slight value; the rest are for brick buildings with brick or stone fronts. Those worth \$2,500 and over are owned by the following persons: A. Beinke, \$6,000; A. Frank, \$7,000; P. Peck, \$6,000; George Smed, 2,500; Dr. O'Reilly, \$3,000; J. C. Boyle, \$17,300; G. W. Landes, \$2,500; H. Mueller, \$2,500; Mrs. M. A. Pallen, \$12,000; S. B. Stanard, \$3,000; Greene Erskine, 5,700; Dr. Ehrhardt, \$5,000; John Helwig, 4,000; William Dodds, 2,500; Robert Kinkead, \$4,200.

BUILDING-PERMITS. — Thirty-six permits have been issued for the week ending April 23; seven of these are for frame structures of slight value. The rest are for brick buildings with brick or stone fronts. Those worth \$2,500 and over are as follows: J. Kientz owner, value \$2,600; A. Fischer, \$3,000; Mrs. Lizzie Clark, \$7,000; B. Brockman, \$4,500; D. K. Ferguson, \$7,000; Mrs. Mary Moses, \$3,600; J. Treckel, \$2,500.

General Notes.

ANOKA, MINN. — The design of R. C. Kenway of Minneapolis, for the New Anoka County

Court House, has been accepted by the County Commissioners; and its erection will be begun as soon as the necessary working-drawings can be completed, and the contracts made.

FARIBAULT, MINN. — The Commissioners of the Asylum for the Deaf, Dumb, and Blind, have secured an appropriation of \$40,000, which they will expend this season in enlarging the building, and improving the grounds.

LACONIA, N.H. — The Free Baptist Society, which lost its church by fire a few weeks since, has resolved to build a new one, the cost of which is estimated at \$9,000.

LAWRENCE, MASS. — The project for a city hospital at Lawrence is so far advanced as to have commissioned committees to present a plan for organization and to receive estimates on the cost of buildings.

LYNN, MASS. — The old building facing Union Square, on the corner of Union Street, has been removed, and Warren Tappan has purchased the site, and will erect thereon a three-story brick block for dwelling-house and business purposes. The old house on the Lovejoy estate, adjoining the Academy of Music, is being moved, and is to be replaced by a two-story wooden building for business purposes.

POMEROY, O. — Contracts have been let for the building of the west wing of the Court House.

ROUSE'S POINT, N.Y. — A union depot is to be built this spring, to be used by the New York and Canada, Grand Trunk, Vermont Central, and Ogdensburg and Lake Champlain Railways.

ROCKVILLE, CONN. — New England Hill is spotted with new buildings; and a tract of land of about six acres, in another part of the village, on which four years ago there stood but two small houses, now shows over fifty tenements.

STAFFORD, CONN. — The directors of the Stafford National Bank, whose building was carried away by the recent flood, have voted to build at once on the old site a new and more commodious banking-house.

UNDERCLIFF, O. — The German Protestant Church, a small stone edifice with a spire that can be seen a great distance around, was formally dedicated on the 15th inst.

WESTFIELD, MASS. — The "Corporate Association" propose to add to their buildings this spring by erecting a brick building 100 by 50 feet and three stories high, with basement, and with an L 100 by 30 feet and two stories high, at a cost of \$15,000.

WILLIMANTIC, CONN. — It is reported that a large hall is to be built on the corner of Main and Church Streets.

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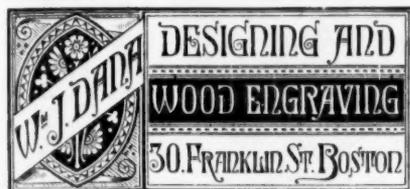
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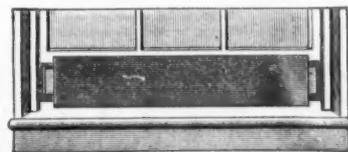
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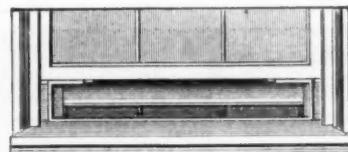
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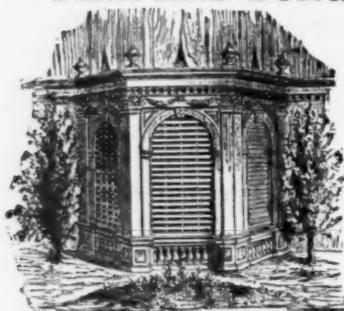
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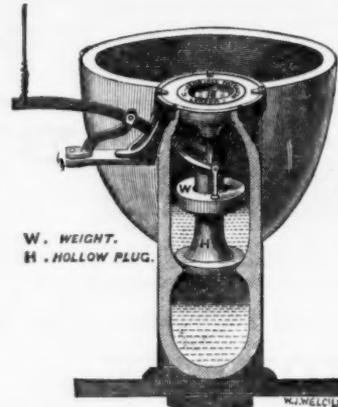
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Mr. Hoyt will be pleased to wait upon Architects, when desired, to explain our methods, and to present for inspection construction plans and estimates for any specific work.

PROPOSALS.

CITY OF PROVIDENCE.

GRANITE SIDEWALK FLAGGING. Sealed proposals for Granite Flagging around the new City Hall Building will be received by the City Hall Commissioners at their office, No. 5 What Cheer Building, until twelve o'clock, m., May 10, 1877.

For plans, specifications, forms of proposal, and bond, apply to the Commissioners as above, or to the architect, S. J. F. Thayer, No. 40 Water Street, Boston, Mass. Each bid must be accompanied by a bond in the sum of \$3,000, that a contract will be signed within ten days of the reception of bids.

The party to whom the contract may be awarded must execute a satisfactory bond in the sum of \$8,000 for the faithful execution of the contract.

The Commissioners do not bind themselves to accept the lowest or any bid. WILLIAM G. R. MOWRY, HENRY G. RUSSELL, WILLIAM M. BAILEY, City Hall Commissioners.

PUBLIC HALL.

LEBANON, WARREN CO., O. The council of the incorporated village of Lebanon, Warren Co., O., will receive sealed proposals until 12 o'clock (noon) on the 8th day of May, 1877, for the erection and completion of a Public Hall.

Separate proposals will be received as aforesaid for excavation of cellar, stone-work for foundation, brick-work, freestone-work, carpenter-work, plastering, painting and glazing, tin-work, galvanized-iron work, and gas-fitting.

Said proposals must be made in conformity to law, and in compliance with the plans and specifications, which may be seen, and further information had, at the mayor's office, in said village, No. 2, Odd Fellows' Building, Broadway, Lebanon, O.

The said Council reserves the right to reject any and all bids. By order of the Council of said village. SAMUEL A. CHAMBERLIN, Clerk of said village.

IRON WORK.

OFFICE OF BUILDING FOR STATE, WAR, AND NAVY DEPARTMENTS, WASHINGTON, D.C., May 1, 1877.

Sealed proposals will be received at this office until 12 o'clock, m., of the 16th day of May, 1877, for furnishing, delivering, fitting, and putting in place the wrought and cast iron work as exhibited by the drawings, described in the specifications, called for in the schedule, and required for the centre pavilion of the East Wing of the Building for State, War, and Navy Departments, of Washington, D.C.

Copies of the drawings, specifications, and schedule may be had on application to this office.

All scaffolding necessary to put the work in place will be furnished and erected, and all hoisting will be done, by the United States.

The whole work must be completed within one hundred days from date of acceptance. All bids must be accompanied by a penal bond in the sum of the aggregate amount of the bid, that the bidder will accept and perform the contract if awarded to him. The sufficiency of the security to be certified by the United States Judge, the Clerk of the United States Court, or the District Attorney of the district wherein he resides.

The undersigned reserves the right to reject any or all bids, nor will he consider any bid that is not made on the printed form to be obtained at this office, and does not conform to the requirements of this advertisement.

Proposals will not be received from parties who are not themselves engaged in the manufacture of wrought and cast iron work, and who have not the necessary facilities for getting out the work.

Proposals will be indorsed "Bids for Iron Work for Roof of Centre Pavilion of East Wing of Building for State War, and Navy Departments, Washington, D.C.," and addressed to THOS. LINCOLN CASEY, Lieut.-Col. Corps of Eng. WOODBRIDGE, Ont.

PROPOSALS.

REGISTRY OF DEEDS BUILDING. EAST CAMBRIDGE, MASS. Sealed proposals will be received by the County Commissioners for Middlesex County, at their room in the Court House at East Cambridge, until Monday, May 7, at 12 M., for furnishing the material and performing the labor for a new Registry of Deeds Building at East Cambridge.

Drawings and specifications may be consulted, and information from the architect, Thomas W. Silloway, obtained, at the Commissioner's room in the Court House from 9 A.M. to 4 P.M., on Monday, Tuesday, Wednesday, and Thursday, April 30, and May 1, 2 and 3.

The Commissioners will require guaranties for the performance of contract, and they also reserve the right to reject any proposal they may receive.

Proposals must, to insure consideration, be delivered to the Commissioners as soon as the time named, and be marked "Proposals for Registry of Deeds Building."

H. HARWOOD, County Commissioners. DANIEL G. WALTON, J. HENRY READ.

PUBLIC BUILDING.

CLARK COUNTY, O. Sealed proposals will be received at the office of the Auditor of Clark County, O., until 12 M., of Thursday, May 10, 1877, for the erection of the Children's Home in said County, according to the plans, etc., on file in the Auditor's office.

Proposals can be made for the building complete, except steam heating, or for the different trades separately. Proposals for steam-heating must be tendered separately from other proposals.

The architect will be in attendance two days previous to the letting of the contract, to give all necessary information and explanations of the plans. Further information and blanks for proposals can be obtained from the undersigned. QUINCY A. PETS, Auditor.

JAIL.

MILTON, ONT. Tenders will be received up to noon of May 15, 1877, for the several works required in the erection of a new Jail, and addition to the Court House, in the town of Milton, Ont., in accordance with plans and specifications prepared by James Balfour, architect, Hamilton.

Sealed tenders, indorsed "Tenders for County Buildings," to be sent to Finlay McCullum, Treasurer, Halton County, Milton. Plans and specifications may be seen at his office. The Council do not bind themselves to accept the lowest or any tender. Security will be required.

MATHEW CLEMENTS, Warden, County Halton, Trafalgar P. O.

HEATING AND PLUMBING.

PONTIAC, MICH. Sealed proposals will be received by the Board of Building Commissioners, Pontiac, Mich., until 2.30 P.M., of Tuesday, May 29, 1877, at which time said proposals will be opened, for the labor and materials required for the heating and plumbing of the Eastern Asylum for the Insane, at Pontiac, Mich., including boiler, tanks, pumps, cold and hot water, and steam distribution, bath-room, lavatory, and closet fixtures, etc., in accordance with plans and specifications adopted by said Board.

Said plans can be examined at the office of the Superintendent at Pontiac, on and after May 8, 1877. For further information relative to plans or conditions, address C. M. WELLS, Superintendent of Construction.

IRON WORK.

BROWNSTOWN, W. VA. Proposals for the iron-work of a moveable dam on the Great Kanawha River, West Virginia, near Brownstown, will be received until noon of May 16, 1877, and opened immediately thereafter.

Blank forms, specifications, and any desired information can be had on application to this office. W. P. CRAIGHILL, Major of Engineers. UNITED STATES ENGINEER OFFICE, BALTIMORE, Md., April 23, 1877.

STEAM HEATING APPARATUS.

UTICA, N. Y. The committee on county buildings will receive sealed proposals up to May 12, at G. W. Kinney's office, Rome, N.Y., for heating the county house with steam. Plans for an extension to be built on said building can be seen at Architect Cooper's office, Utica, N.Y. The contract will be awarded to the lowest responsible bidder. Committee reserve the right to reject any and all bids. G. W. KINNEY, Chairman.

STEAM HEATERS.—The Committee on

County Buildings will receive sealed proposals and bids up to May 12, at G. W. Kinney's office, Rome, N.Y., for heating the County House with steam. Plans for an extension to be built on said building can be seen at Architect Cooper's office, Utica. The contract will be awarded to the lowest bidder. Committee reserve the right to reject any and all bids. G. W. G. KINNEY, Chairman.

STONE.

LONG ISLAND, N.Y. UNITED STATES ENGINEER OFFICE, No. 91 STATE ST., NEW LONDON, Conn., April 24, 1877.

Sealed proposals will be received at this office until 11 o'clock A.M., on the 24th day of May, 1877, for stone delivered at Fort Jefferson Harbor, Long Island, N.Y. Specifications in regard to the work, and blank forms for proposals and guaranty, upon which no bids must be made, will be sent on application to this office.

J. W. BARLOW, Major of Engineers.

SCHOOL HOUSE.

BETHEL TOWNSHIP, O. Sealed proposals will be received at the office of the Clerk of Bethel Township, Clark County, Ohio, until 12 M., on the 19th day of May, 1877, for building a brick schoolhouse in Sub-District No. 5 of said Township, according to plans and specifications on file in said office. Each bid shall state for how much less the said house will be built for the privilege of using all the good material in the old schoolhouse in said sub-district in the construction of the new house. For further information apply to the undersigned. By order of the Board of Education. H. N. TAYLOR, Township Clerk, New Carlisle, O.

Portland and Keene's Cement,

Manufactured by J. B. WHITE & BROTHERS,

For sale ex Ship to arrive and from their own warehouses. PHILADELPHIA { H. FLEMING, } NEW YORK office 311½ Walnut St. { Sole Agent. } 10 Pine St.

# BUILDING MATERIALS.

## THE NEW YORK MARKET.

### WHOLESALE PRICES.

[Reported for the American Architect and Building News.]

BRICK. Nominally.		Cargo Afloat.	
Pale	5 00 @ 5 25	5 00 @	5 25
Jersey	5 00 @	5 00 @	5 25
Long Island	5 00 @	5 00 @	5 25
Up-liver	5 50 @	6 25 @	6 50
Haverstraw Bay, choice	5 50 @	6 25 @	6 50
Haverstraw Bay	5 75 @	6 00 @	6 00

FRONTS.	
Croton - Brown	3 00 @ 3 00
Croton - Dark	3 00 @ 3 00
Croton - Red	3 00 @ 3 00
Philadelphia	23 00 @ 27 00
Trenton	21 00 @ 25 00
Baltimore	34 00 @ 38 00

For delivery, add \$5 on Philadelphia and Trenton, and \$6 on Baltimore.

CEMENT.	
Rosendale	1 25 @ 1 25
Portland	3 35 @ 3 75
Roman	3 50 @ 3 75
Keene's coarse	7 50 @ 8 00
Keene's fine	11 25 @ 12 00

FIRE BRICK.	
Rod Welsh	35 00 @ 36 00
Scotch	30 00 @ 40 00
American	30 00 @ 40 00

DOORS AND BLINDS.	
DOORS, RAISED PANELS, TWO SIDES.	
2.0 x 6.0	1 14
2.6 x 6.6	1 14
2.6 x 6.8	1 20
2.8 x 6.8	1 25

DOORS, MOULDED.		
Size	1 1/2 in.	1 3/4 in.
2.0 x 6.0	1 52	2 38
2.6 x 6.6	1 87	2 40
2.6 x 6.8	1 92	2 40
2.8 x 6.8	1 96	2 47
2.8 x 7.0	2 01	2 68
2.8 x 6.8	2 00	2 58
2.8 x 7.0	2 09	2 68
2.10 x 6.10	2 29	2 78
3.0 x 7.0	2 30	3 02

OUTSIDE BLINDS.	
Per lineal foot, up to 2.10 wide	2 25 @
Per lineal foot, up to 3.1 wide	0 27 @
Per lineal foot, up to 3.4 wide	0 30 @
Per lineal foot, painted and traamed	0 40 @

INSIDE BLINDS.	
Per lineal foot, 4 folds, Pine	0 55 @
Per lineal foot, 4 folds, Ash or Chestnut	0 95 @
Per lineal foot, 4 folds, Cherry or Butternut	1 10 @
Per lineal foot, 4 folds, Black Walnut	1 20 @

WINDOW FRAMES.	
Up to 3.4 x 7.2, put together	2 65 @

HAIR.—Duty free.	
Cattle	80 10 @ 12 1/2
Goat	0 12 1/2 @ 15

LIME.	
State, common, cargo rate	80 00 @
State, finishing	1 25 @
Rockland, common	1 00 @
Rockland, finishing	1 25 @
Ground	90 @ 1 00

LATH.—Cargo rate	
Up to 1 50M	1 55 @

LUMBER.	
Pine, very choice, and extra dry, PM ft.	60 00 @ 70 00
Pine, good	45 00 @ 53 00
Pine, tully plank, 1 1/2, 10 in, dress'd each	4 02 @ 4 3
Spruce boards, dressed	22 @ 25
Spruce plank, 1 1/2 in, dressed	25 @ 29
Spruce plank, 2 in	35 @ 38
Spruce timber	17 00 @ 20 00
Hemlock boards	16 @ 18
Ash, good	38 00 @ 45 00
Oak	35 00 @ 47 00
Chestnut	45 00 @ 50 00
Black Walnut, good to choice	50 00 @ 100 00
Black Walnut, 1/2	75 00 @ 85 00
Black Walnut, selected and seasoned	110 00 @ 150 00
Cherry, good	60 00 @ 80 00
White wood, chair plank	60 00 @ 70 00
White wood, inch	40 00 @ 50 00
Shingles, extra shaved pine, 18 in, PM	9 50 @ 10 00
Yellow pine dressed flooring	35 00 @ 45 00

PAINTS AND OILS.	
Whiting	50 @ 75
Pink white, Eng. (gold)	1 65 @ 1 80
Zinc, white, American, dry	6 1/2 @ 7 1/2
Zinc, white, American, in oil, pure	11 1/2 @ 12
Lead, white, American, dry	8 1/2 @ 9
Lead, white, American, in oil, pure	10 @ 10
Lead, red, American	8 @
Litharge, American	8 @
Ochre, French, dry (gold)	1 50 @
Ochre, in oil (currency)	6 @ 15
Venetian red, English (gold)	1 70 @ 1 75
Vermilion, Am. Quicksilver (gold)	65 @ 70
Vermilion, Trieste (gold)	1 00 @ 1 10
Chrome yellow, genuine, dry	12 1/2 @ 28
Crome, yellow, in oil	18 @ 28
Orange Mineral English, gold	10 @ 10 1/2
Paris green, pure, dry	28 @ 30
Putty, pure	80 02 1/2 @ 80 03 1/2
Sienna, raw (American)	4 @ 4 1/2
Sienna, burnt, American	16 @ 26
Sienna, raw, in oil	15 @ 25
Umber, raw in oil	16 @ 22
Black, lamp, ordinary	6 @ 8
Black Paint, in oil, kegs	6 @ 8
Black Paint, in astd' cans	6 @ 11

SLATE.	
Purple roofing slate, P square	7 50 @ 8 00
Green slate	7 50 @ 8 00
Red slate	11 00 @ 12 00
Black slate, Pennsylvania (at Jersey City)	5 50 @ 6 00
Peach bottom (nominally)	9 00 @ 10 00
Slate tiles, 1 1/4 in, rubbed, P sq. ft. delivered	20 @ 25

SOLDERS.	
No. 1	10 12 1/2 @ 13
No. 2	0 12 @ 0 12 1/2

TIN PLATES.—Duty, 1 1/2-c.	
I. C. charcoal, 10 x 14, P box (cur.)	7 50 @ 7 75
I. C. coke, 10 x 14	6 50 @ 7 25
I. X. charcoal, 10 x 14	9 75 @ 10 00
I. C. charcoal, 14 x 20	7 50 @ 7 75
I. X. charcoal, 14 x 20	9 75 @ 10 00
I. C. coke, 11 x 20	6 50 @ 7 25
I. C. coke, terme, 11 x 20	6 25 @ 6 50
I. C. charcoal, terme, 14 x 20	6 50 @ 7 00

ZINC.—Duty, sheet, P lb. 2 1/2-c.	
Sheet (gold) foreign	80 08 1/4 @ 80 08 1/2
LEAD.	
Bar	0 7 1/2
Sheet	0 9
Pipe	0 9 1/2

Discount 10 per cent to trade.

## BOSTON.

### PRICES TO CONTRACTORS AND BUILDERS.

FIRE BRICK.	
No. 1 Boston	52 50 @
Waldo Bros. Extra	58 00 @
Waldo Bros. No. 1	48 00 @
Waldo Bros. No. 2	38 00 @
Jersey, No. 1	50 00 @
Jersey, No. 2	40 00 @
Scotch Govan, 2 1/2 in.	52 50 @
Scotch Govan, 3 in.	60 00 @
English Hancock	47 50 @

BUILDING BRICKS.	
Eastern, hard	8 50 @ 9 50
Eastern, light hard	7 50 @
Eastern, soft	6 50 @
Bay State, hard	9 00 @
Bay State, light hard	8 00 @

LUMBER.	
Michigan pine—Nos. 1 and 2	44 00 @ 46 00
No. 3	35 00 @ 37 00
Saps	32 00 @ 34 00
Black walnut—Nos. 1 and 2	75 00 @ 80 00
Culls	35 00 @ 40 00
Ash—Nos. 1 and 2	35 00 @ 38 00
Culls	20 00 @ 22 00
Cherry—Nos. 1 and 2	60 00 @ 65 00
Whitewood—Nos. 1 and 2	36 00 @ 40 00
1/2-inch	28 00 @ 30 00
Oak	45 00 @ 65 00
Butternut—Nos. 1 and 2	60 00 @ 75 00
Eastern pine—Nos. 1, 2, and 3	45 00 @ 50 00
No. 4	35 00 @ 40 00
No. 5	28 00 @ 30 00
Spruce—random cargoes scantling and plank	15 00 @ 16 00
Boards	14 00 @ 16 00
Hemlock boards	13 00 @ 14 00
Laths—Spruce	1 75 @ 2 00
Pine	2 00 @ 2 25
Shingles—Spruce	2 00 @ 2 75
Pine shaved	6 00 @ 8 00
Sawed extras, 16 and 18 in.	3 25 @ 3 50

PAINTS AND OILS.	
Whiting	50 @ 75
Pink white, English	3 @ 4
Zinc, white, in oil	10 @ 12
Lead, white, American, in oil, pure	10 @ 10 1/2
Ochre, French, dry	3 @
Ochre, in oil	12 @ 12
Venetian red, English	3 @ 4
Chrome, yellow, in oil	18 @ 25
Paris green, pure	35 @ 38
Putty	22 @ 25
Sienna, in oil	20 @ 25
Umber, in oil	18 @ 20
Umber, burnt	4 @ 8
Umber, burnt, in oil	16 @ 21
Umber, raw	3 1/2 @ 4 1/2
Black, lamp	12 @ 25
Black Paint, in astd' cans	12 @ 25

Quoted at \$1.00 @ \$1.10 per cask for Rockland and Rockport.

CEMENT.	
Rosendale	1 60 @ 1 65
Portland	5 00 @ 5 50
Roman	4 75 @ 5 00
Keene's coarse	9 00 @ 9 50
Keene's fine	12 25 @ 12 50

BUILDERS' HARDWARE.	
Nails	P Cask.
10d	2 75 @
10d	3 50 @
8d	4 25 @

Sash Weights.	
Best hemp	30c @
Best linen	70c @

Door Butts.	
Japanned Acorn	4 00 @ 5 50
Plain Bronzed Iron	80 @ 92
Ornamental Bronzed Iron	1 50 @ 1 75
Ornamental Bronze Metal	3 60 @ 4 00

Mortise Locks.—Brass face and bolt—easy spring.	
3 1/2 to 4 1/2 in.	85 75 to 116 00
Do., for front doors	85 75 to 116 00
Factory make, plain front	83 25 each.
Factory make, bronze front	5 50 each.
Boston make, plain front	8 00 each.

Door Knobs.	
Solid glass	50 @
Silvered glass	1 10 @
Cut glass	3 00 @
Nickel plated	2 00 @
Bronze metal	2 50 @

Sash Fast.	
Plain brass	1 75 to 2 50
Plain brass, self-locking	6 50 to 7 50
Nickel plated, self-locking	4 50
Bronze metal, self-locking	5 00 to 12 00

Screens.	
Round head, nickel plated	25 @ 30
for window beads, 1 1/4 in.	1 1/4 @

Store Door Handles.—with mortise latch.	
Lacquered brass	35 @
Bronze metal	7 00 @

## CHICAGO.

### PRICES TO CONTRACTORS AND BUILDERS.

BRICK, LIME, AND CEMENT.	
Lime, in bulk, P bbl.	75 @
Lime, in bbls	1 00 @
Building brick, P 1,000	6 00 @ 6 25
Pressed brick, P 1,000	14 00 @ 17 00
Fire brick, P 1,000	40 00 @ 60 00
Cement, Utica and Louisville, P bbl.	1 50 @ 2 00
Cement, Akron, P bbl.	1 50 @ 1 75
White sand, P bbl.	2 00 @ 2 45
Plaster paris, Michigan, P bbl.	2 50 @ 3 00
Plaster paris, New York, P bbl.	4 00 @
Fire clay, P bbl.	35 @ 40
Plastering-hair, P bu.	35 @ 40

LUMBER.	
First and second clear, 1 to 2 inch	30 00 @ 35 00
Third clear, 1-inch	28 00 @ 30 00
Third clear, 1 1/4 to 2 inch	30 00 @
First and second clear dressed siding	16 00 @
First common dressed siding	13 50 @ 14 00
Flooring, clear, first and second, rough	30 00 @
Flooring, first common, dressed	26 00 @
Flooring, second common, dressed	22 00 @
Box boards, A, 13 to 18 inch	33 00 @
Box boards, B, 13 to 18 inch	25 00 @
A stock boards, 10 to 12 inch	28 00 @ 30 00
B stock boards, 10 to 12 inch	20 00 @ 24 00
C stock boards, 10 to 12 inch	15 00 @ 16 00
Common stock boards, 12-inch	12 00 @ 13 00
Fencing, 12 to 16 feet	10 50 @
Common boards, 12 to 20 feet	10 40 @ 11 00
Dimension stuff, 10 to 18 feet	13 00 @ 12 00
Dimension stuff, 20 to 24 feet	11 00 @ 13 00

METALS AND TINNERS' STOCK.	
A shingles, choice	1 50 @
A shingles, standard	2 30 @ 2 50
A shingles on track, dry	2 20 @ 2 40
A shingles on track, green	2 00 @
Pickets, square	9 00 @ 10 00
Pickets, flat	8 00 @ 10 00

### METALS AND TINNERS' STOCK.

The demand for tin plate, sheet iron, &c., is good; the following prices are firmly adhered to:—

Tin plate, 1 C 10 x 14, charcoal	7 75 @
Tin plate, 1 C, 10 x 14, charcoal	7 75 @
Tin plate, 1 C, 12 x 12, charcoal	7 75 @
Tin plate, 1 X, 12 x 12, charcoal	10 25 @
Tin plate, 1 C, 14 x 20, charcoal	7 75 @
Tin plate, 1 X, 14 x 20, charcoal	10 25 @
Tin plate, 1 XXX, 14 x 20, charcoal	12 75 @
Tin plate, 1 XXXX, 14 x 20, charcoal	15 25 @
Tin plate, D C, 12 1/2 x 17, charcoal	10 25 @
Tin plate, D X, 12 1/2 x 17, charcoal	10 25 @
Tin plate, D XX, 12 1/2 x 17, charcoal	12 75 @
Tin plate, D XXX, 12 1/2 x 17, charcoal	15 25 @
Tin plate, 1 X, 14 x 14, charcoal	18 00 @
1 C roofing, 14 x 20, charcoal	9 75 @
1 C roofing, 20 x 28, charcoal	15 00 @
1 X roofing, 20 x 28, charcoal	19 50 @
1 C roofing, 14 x 20, coke	6 75 @
10 x 20, coke (for gutters), 250 sheets	11 25 @
Pig tin, large (60 lbs.)	24 @
Pig tin, small (30 lbs.)	25 @
Pig bar tin	26 @
Galvanized iron, 30 per cent discount	
Common sheet iron, Nos. 14 to 24, 3/4-c.; No. 26, 3/4-c.; No. 27, 1-c.	

\* Roofing tin in Chicago means lead-coated, but is not used for the best roofs.

### PAINTS AND COLORS.

White Lead.	
Strictly pure	\$9.75; fancy brands, \$7.00 @ 9.00.
Zinc.	
French	\$12.00 @ 13.00; American, \$10.00.

Colors.	
Chrome yellow, in oil	15 @ 3

**Fresco Decoration.**

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Designers, Decorators, and Painters,  
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FINE ART FOUNDRY,**

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Artistic Monuments in Granite and Bronze.

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Malleable Iron Hollow Muntin Window Sash.

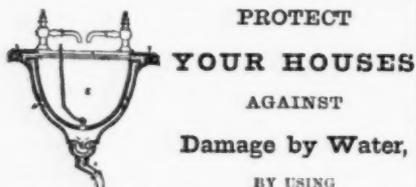
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Newark, N.J.

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**Wellington's Patent Wash-Bowl.**

The use of this new and invaluable improvement precludes all possibility of overflow, by which buildings are so often damaged to the extent of thousands of dollars.

It can be introduced at the cost of the ordinary wash-bowl. This guaranty accompanies every basin sold to our patrons:

We hereby pledge ourselves to remove our basins, and replace them with any other kind now in use, that parties interested may select, without expense to them, immediately on their failure to fulfil the following conditions, provided the trap is kept in running order:—

- 1st. We warrant our trap to remain free and open as long or longer than any other trap used with wash-bowls, and they are easily cleaned in case of stoppage.
- 2d. No overflow or leakage of any kind will occur.
- 3d. No sewer gas will escape from the drain or pipe, or any offensive smell arise from them.
- 4th. These bowls will remain free and clear from any accumulation of soap or grease or other offensive matter in the space between the inner and outer bowls.

For descriptive circulars, address:  
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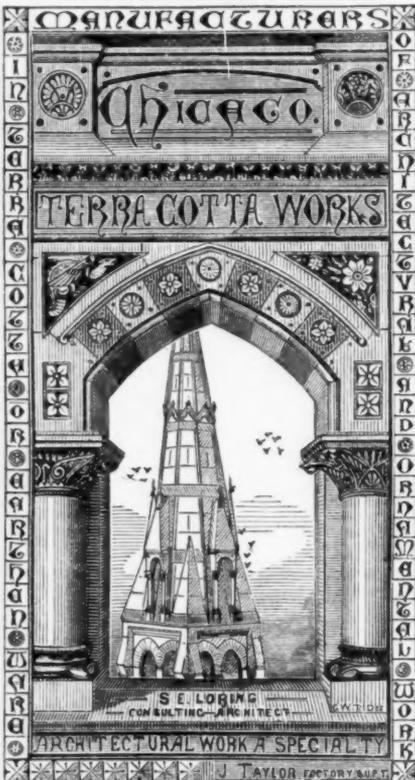
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LAND TILE,  
ENGLISH ROMAN, AND PORTLAND CEMENT.  
**WALDO BROTHERS,**  
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(JUDGES' REPORT.)  
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**JAMES R. OSGOOD & CO., Boston.**

**THE EIGHTH WONDER OF THE WORLD.**—A correspondent to the New York *Commercial Advertiser* writes of a visit to the celebrated Taj at Agra as follows: "I visited it first by moonlight, and alighting from the carriage at the great marble and mosaic gateway, an enormous structure, I passed into the garden. In the distance rose a sight that you could never comprehend until you came here to see it—this greatest sight in the known world. Towering from the banks of a beautiful river, guarded by wonderful buildings of great grandeur, surrounded by gardens that for two hundred and fifty years have been carefully attended, is this castle in the air, this marble poem, hung before me with its great, bubble-like dome almost ethereal in the moonlight. The effect is indescribable—white, pure marble, all in lacework and mosaic of precious stones! Two fairy mosques, one off from each side, enhance the effect—one called the 'Jawab' or 'answer' to the other. The interior surpasses any thing I have ever seen in my life. Such carvings, such magnificent simplicity, such simple grandeur! The Taj is a mausoleum that took twenty thousand men twenty years to build at an actual cost of fifteen million dollars."

**THE END JUSTIFIES THE MEANS.**—A New York *Herald* cable special states that the Earl Dudley won £10,000 on O'Leary's victory over Weston, which he has devoted to the restoration of the Worcester Cathedral.

**JEWIS IN JERUSALEM.**—Whether the Jews are actually preparing to return to Jerusalem, as has often been stated, or not, they are busily engaged in building tenement houses both outside the walls of and within the city itself. These buildings are built by societies who lease them in tenements of two rooms each to Jews of any nationality. The poor are to be provided with a home for a given time, rent free, while those who are able are allowed, after the manner of some of our own building-societies, to purchase their dwellings by stated partial payments. Formerly Jewish dwellings were restricted to certain quarters of the city, as is the custom in many European cities at this day; but this restriction has been done away with, and they now build wherever they can obtain a site.

**ACCIDENT AT THE NEW YORK POST OFFICE.**—For some time masons have been at work on the north-east corner of the fifth story of the New York Post Office. The roofing here was of concrete four inches thick, beneath which was metal sheeting. It was supported by heavy iron beams, which were themselves supported by a transverse girder. Recently it was feared the beams were not strong enough, and a new girder was put in. The work was completed on Monday last, and on the following afternoon the pinning which held up the new girder was taken out, and instantly the roof fell. The piece that fell was about twenty-five feet square. Two men were killed by the falling roof, and four were seriously injured.

**BUILDING INTELLIGENCE.**

Summary of the Week.—Reports from the Principal Cities of the Country.

[Reported for the American Architect and Building News.]

**Boston.**

**BRICK.**—During the week ending May 2, only one permit for a brick building has been issued,—this for a four-story building 48 x 20 to be erected on Winter Street, corner Jackson Place. Louis Weissbein architect, J. W. Coburn & Co. builders.

In spite of the small number of brick buildings for which permits have been issued during the first four months of the year, the total number of permits is only one less than the total of those issued during the corresponding months of 1876, being 70 instead of 71.

**FRAME BUILDINGS.**—Seventeen permits for wooden buildings have been issued, ten of which were for single or for tenement houses. These are mainly two-story buildings with pitch roofs and of small area. The permits were issued to the following builders: Laming & Drisko, C. W. Bowers, J. L. Dakin, W. Mason, C. Bodwell, J. W. Berry, B. T. Crockett, J. S. Paget, A. H. Glover, E. W. Archer, W. A. Blazo, W. H. Leach, J. Luippold, and to J. Wilton Lewis, architect, and to J. F. Wilson and M. Standish, owners.

**REPAIRS.**—Permits for repairs on 69 buildings, of which 43 were dwelling-houses, have been issued. The most important repairs are to be made on Warwick Street, where the brick front of a dwelling is to be taken down and rebuilt, D. H. Jacobs builder; on Albany Street, where Hussey & Lowe, builders, are to repair damage caused by fire at No. 247; and on Hawthill Street, where W. Fogue, agent, is having the damage caused by the late fire repaired.

The cost of the repairs executed during 1876 amounted to \$1,355,446.

**THE LUMBER MARKET.**—The prospect for lumber dealers for the present month is not very enlivening as far as any activity in the lumber market is concerned. Although in certain directions trade has taken a start, yet fewer large contracts are under way than for many years, and the demand for lumber is consequently largely "jobbing." The only result of the Turco-Russian war, at least for the present, likely to be seen in the lumber trade, may be a firmer tone in deals, in anticipation of trouble in the Baltic, from which large shipments of lumber are made; but this would be confined principally to spruce, although indirectly Western lumber may be affected. Lumber dealers buy sparingly, not anticipating any immediate improvement, and hence prices remain about the same. The arrivals from Eastern ports have been free, and some decline in prices has occurred. Western lumber has arrived in quantities equal to demand, and except in hard woods there is little call. Southern lumber remains quiet, and for lack of any large building-orders prices are a little easier.

**THE NEW HIGH SCHOOL BUILDING.**—The design for the new English High and Latin School buildings on Warren Avenue and Montgomery Street, by the city architect, George A. Clough, differs from the competitive plans drawn a few years since, although including some of their features. The building will be 337 feet long and 220 wide, but this includes two large open courts, situated between the sections. The English School will be on Montgomery Street, and the Latin on the Avenue. In the centre of each will be an exhibition hall, located in the upper story, and measuring 64 x 82 feet. The schoolrooms, numbering twenty-six in each section, will occupy the first and second stories and the third floor on the corners. Connecting these

buildings will be a central building, containing a library, assembly rooms, etc., for each school. Just off Clarendon Street, and joining the northern ends of the buildings, will be a drill hall, 130 x 58 feet, and a chemical laboratory, 41 x 32 feet, situated at either corner. The floor of this hall will be of three-inch planks, laid upon cement in order that the floor may be firm enough to allow of mounted drill if desirable. The floor will be on a line with the street. The heating apparatus will all be beneath the central building. The building will be from a story and a half to three stories high, of the Renaissance style of architecture, and built of brick and Nova Scotia or Ohio freestone.

**SCHOOLHOUSE.**—A brick primary-school building is soon to be erected on Weston Street, in Ward 19, at an estimated cost of \$40,000.

**Chicago.**

Number of permits for the erection, alteration, and moving of buildings for the week ending April 26, sixty-eight. The following were for new buildings of two stories and more:—

Mark Forsyth, two-story and basement brick barn, 20 x 49 feet, Halsted Street near Hubbard.

L. H. Robinson, two-story and basement brick barns, each 20 x 40 feet, 25 and 27 Park Avenue.

Henry Paturin, ten two-story and basement stone-front brick dwellings, each 23 x 64 feet, Monroe Street near Oakley.

A. Bjornson, two-story and basement brick store and dwelling, 18 x 42 feet, 311 W. Chicago Avenue.

L. G. Dominick, two three-story and basement brick stores and dwellings, each 20 x 60 feet, 136 and 138 W. 12th Street.

M. Simback, two-story and basement brick dwelling, 24 x 55 feet, 99 Hills Street.

C. B. Watson, two-story brick barn, 20 x 40 feet, 188 and 190 4th Avenue.

J. Witons, two-story and basement brick store and dwelling, Throop Street near 16th.

F. Borg, two-story and basement brick dwelling, 21 x 40 feet, 46 Burlington Street.

**Cincinnati.**

The amount of building in this city and vicinity is greater this spring than has been known for years. Among the new buildings is one for Thomas Emery's sons, Messrs. Hannaford and Procter, architects. It will be 53 feet on Fifth Street by 90 feet on John Street. Two dwellings are cut off the John Street end; three stores on Fifth Street with the French flat system of dwellings above, to be complete with all the modern improvements. The building will have brick fronts, relieved with stone. The bids for the erection of John Bell's building were opened the other day, and were as follows: J. W. Cotteral & Son, \$18,500; Nieber & Little, \$19,500; H. E. Holtzinger, \$20,200; Jenkins & Ludwig, \$20,400; James Griffith & Sons, \$20,500. A description of this dwelling was given in a recent number. Messrs. Hannaford and Procter are the architects.

**RESTAURANT.**—Mr. J. W. McLaughlin has begun plans for a new restaurant building to be erected on the east side of Vine Street just below Sixth Street. The building is to be four stories high, 53 x 90 feet, with stone front. The restaurant and a store, together with an entrance to the second story, will occupy first story; the front kitchen, store-rooms, etc., will take up the balance of the first floor. The use of the upper floors has not as yet been fully determined upon. He also has just completed drawings for a row of five brick houses to be erected on Wesleyan Avenue, for Mr. Samuel C. Tatum. Bids were as follows: Jenkins & Ludwig, \$25,012; Harwood & Thoms, \$24,300; W. M. Wicker, \$24,260; Smith & Williamson, \$23,997; George Warrington, \$23,450; H. E. Holtzinger, \$23,330; W. H. Stewart, \$22,598;

Nieber & Little, \$22,248. The buildings are to be first-class dwellings, three stories high, complete with all the latest improvements.

**BANK BUILDING.**—Mr. E. Anderson, architect, has in hand the design for a bank building for the "Bank of Maysville," at Maysville, Ky. Building to be stone front, two stories high, and ornamental within. The banking room is 20 x 30. Directors' room, vault, and cashier's dwelling takes up the balance of the building. Probable cost, \$30,000.

**MEETING-HOUSE.**—We hear of a large building to be erected at Richmond, Ind., as a Friends' meeting-house. The auditorium is 90 x 100 feet, with towers, vestibules, water-closets, committee-rooms, etc., outside of this. The auditorium is divided by a row of columns and a sort of drop-curtain of oilcloth, which will separate the males from the females; cost of building, about \$25,000. Who the architect is we have not yet heard.

Mr. James K. Wilson is very busy on country villas.

**HOSPITAL.**—Mr. A. C. Nash has in hand, among other things, some material changes in the Cincinnati Hospital on the Ann Street end. Sub-cellar,—the bakery, dead-room, work-room, and cellars. Basement,—consulting-room, preparation-room, operating-room, waiting-room. First floor,—professors' room, pathological museum. Second story,—the amphitheatre. The building to have elevators, stairs, and all other conveniences, and will cost about \$20,000.

**THE GOVERNMENT BUILDINGS.**—The foundations of the new Government Buildings in this city are virtually finished, and work on the superstructure was begun on the 24th ult. This is to be of Maine granite, which is of a gray color, different from the stone used in any building in the city. The authorities at Washington have completed some of the preparations for a public laying of the corner-stone of the new building some time during the month of July.

**New York.**

**BUILDINGS PROJECTED FOR WEEK ENDING 2D MAY.**—These are 43 in number; 27 brick, 13 brick and stone, 1 wood; 2 stores, French flats, factories, dwellings, tenements, and stables. Situated on W. 18th, W. 23d, W. 25th, W. 48th, W. 49th, W. 59th, 77th, Chambers, New Chambers, Grand, Harrison, Rivington, Thompson, and Watts Streets, Clinton and Park Places, and 2d, 3d, 4th, 7th, 8th, Avenues, and Avenue D and Grove Avenue. Total value, \$414,000.

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\* Three stores and tenements, 3d Ave. .... \$30,000 ... Brick.  
One store and tenement, 8th Ave. .... 40,000 ... Brick.

**SCHOOLHOUSE.**—Repairs and additions to Public School No. 32, in 125th Street, will cost about \$35,000.

SEWER.—The largest sewer in the city is being built in the new ward. It will be nearly three miles in length, extending in the form of a horseshoe from the Bronx River to 165th Street, and the Harlem River. The interior will be 15 feet wide and 10 feet in height; 250 men are employed on the work, which will cost nearly half a million dollars.

FRAME BUILDING.—The oldest frame building on Broadway is on the south-west corner of Bleecker Street.

Philadelphia.

A NEW SCHOOLHOUSE CONTRACT AWARDED.—The committee on property of the Board of Education met yesterday in the presence of the Council's committee on schools, to open bids for the erection of a schoolhouse at Twenty-sixth and Cumberland Streets, in the twenty-eighth section. The following bids were received: Rush J. Whitesides & Son, \$25,123; Columbus Tweed, \$23,949; P. H. Somerset, \$22,913; Thos. W. Wright, \$22,784; Charles D. Supplee, \$24,900; Joseph Culbertson & Son, \$25,340; C. C. Carman, \$23,838; James A. Davis, \$26,167; Geo. H. Brinkworth, \$24,475; Alfred J. McLaughlin, \$25,755. The contract was awarded to Thomas W. Wright for \$22,784, his being the lowest bid.

THE KENSINGTON BANK.—Workmen are now engaged in demolishing the old structures at the south-west corner of Frankford Road and Girard Avenue, to make way for a new building for the use of the Kensington National Bank. It will be constructed entirely of granite, and will be as nearly fire-proof as possible. It will have a frontage on Girard Avenue of 50 feet, and on Frankford Road of 48 feet. The roof will be made of heavy iron plates. The interior will contain all the modern improvements and appliances to guard against burglars. The vault and safes will be similar to those in the Fidelity Insurance, Trust, and Safe Deposit Company's building on Chestnut Street, below Fourth. It is thought that it will be ready for occupancy by the 1st of next December. Mr. Oliver Braden is the builder.

St. Louis.

About forty permits were issued for the week ending April 29. Fifteen of these are for frame structures of slight value; the remainder are for brick buildings with brick or stone fronts. Those of value exceeding \$2,500 are as follows:—

Mrs. Moses, two-story brick store, \$3,600; H. Fiempfenfeld, two-story brick dwelling, \$5,000; W. Giesecke, three-story brick dwelling, \$5,000; W. Obermeyer, two-story brick dwelling, \$2,700; M. Powers, stores and dwellings, \$6,000; J. Noll, two-story brick dwelling, \$3,000.

Mr. J. B. Legg is preparing plans for Mt. Calvary Episcopal Church, brick, to seat three hundred, and cost \$4,500. Mr. George I. Barnett is preparing plans of the burned Southern Hotel for the insurance-adjusters. The question of immediate rebuilding is being agitated, but no conclusion has yet been reached.

General Notes.

DELAFT, ME.—The Masons have secured over \$30,000 toward building a hall.

CUMBERLAND MILLS, ME.—The Cumberland and Presumpscot Paper Company, at Cumberland Mills, are tearing down their old wooden mills, preparatory to erecting brick structures upon the same sites.

MIDDLETOWN, O.—Ground has been broken for the foundation of a new church edifice on Broadway, between Fourth and Fifth Streets, which will be erected during the summer, by the membership of the new organization known as the German Evangelical St. Paul Church.

MINNEAPOLIS, MINN.—The Board of Education has accepted Long & Haglin's plans for the proposed High School building. It has decided to receive bids for grading the grounds, and for the brick and stone work upon the building, as it is hoped to have it enclosed, and the basement and first floor finished and ready for occupancy, by the 1st of September. The schoolhouse is to be a three-story building, 137' x 112', built of rock-faced limestone with cut-stone work. The style is said to be modern Gothic. It is to have a tower 100' high at the corner of Fourth and Eleventh Streets.

NEWARK, N.J.—The cemetery gateway mentioned in a late issue was designed by Mr. Thomas Stent, architect.

PROVIDENCE, R.I.—Providence officials talk of reconstructing the plans of the new City Hall at a cost of \$25,000 or \$50,000. The economists who have boasted of this as the one public work free from jobs are in despair.

WEST STOCKBRIDGE, MASS.—The schoolhouse authorized by the late town meeting is to be 60 by 40 feet, two stories high, with rooms for four schools, and will cost with the site \$6,000.

WETHERSFIELD, CONN.—The last Legislature appropriated \$15,000 for additional repairs on the State Prison. With this sum the directors propose to replace the ancient wooden galleries with iron ones, to raise the roofs of the workshops, to grate several windows, put up partitions, and in other ways make secure certain

weak spots. The rather Quaker-like appearance of the facade of the warden's house will be relieved by neat iron balconies.

YORK BEACH, ME.—A new hotel with a capacity for 100 guests is being erected on "Bald-Head Cliff," on the coast between York Beach and Wells.

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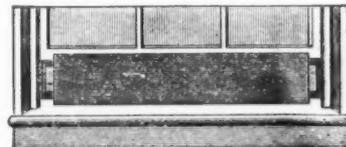
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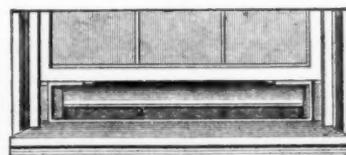
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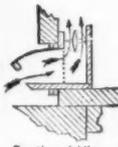
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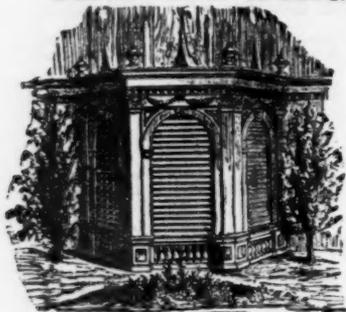
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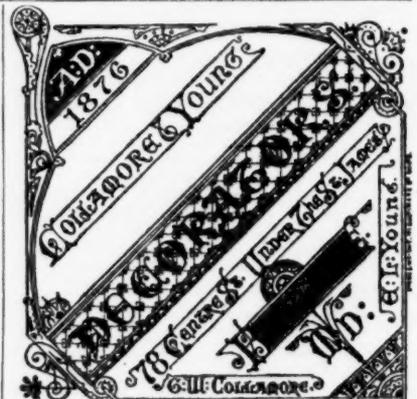
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desired, to explain our methods, and to present for inspec-  
tion construction plans and estimates for any specific work.

**PROPOSALS.**

CHARLOTTETOWN, P. E. I.

**LUNATIC ASYLUM.—**Sealed tenders, ad-  
dressed to the undersigned, and indorsed, "Tender for  
Lunatic Asylum, Prince Edward Island," will be received  
at the Office of Public Works, Charlottetown, P. E. I., until  
Monday, the 21st of May next, at noon, for the erection and  
completion of a new Lunatic Asylum at Charlottetown,  
P. E. I. Plans and specifications can be seen at this office,  
and at the office of Messrs. Sterling & Dewar, architects,  
Halifax, on and after the twenty-first day of April. Con-  
tractors are notified that tenders will not be considered  
unless made strictly in accordance with the printed forms.  
For the due fulfillment of the contract, satisfactory security  
will be required.  
WILLIAM D. STEWART, Com. Public Works.

**PRISON.**  
OFFICE OF THE DIRECTORS NORTHERN  
INDIANA STATE PRISON,  
MICHIGAN CITY, IND., April 11, 1877.

The directors of the Northern Indiana State Prison will  
receive sealed proposals at their office at Michigan City,  
Ind., until the seventeenth day of May, 1877, at 12 M., for  
furnishing all materials and completing the northern wing of  
cell-house of said Prison, now in process of erection; also  
proposals for furnishing all materials, and erecting two  
workshops ready for use. Said cell-house and workshops to  
be constructed according to the plans and specifications on  
file in Warden's office. The labor and hire of as many con-  
victs as can be worked in the erection of said buildings shall  
be used. Each proposal for cell-house must be accompanied  
by bond of ten thousand dollars, and each proposal for work-  
shop by a bond of five thousand dollars, conditional that the  
bidder will, if his proposal is accepted, enter into a contract  
and give bond with sufficient security for its faithful per-  
formance. Full particulars can be ascertained at Warden's  
office, Michigan City, Ind. The Directors reserve the right  
to reject any and all bids. All proposals must be addressed  
"Proposals for Buildings, Directors of Northern Indiana  
Prison, care of Charles Mayne, Warden, Michigan City,  
Ind."  
R. DYKES, Kendallville, Ind., CHARLES B. LUTHER,  
Vatparaso, Ind., J. W. BAKER, Columbia City, Ind., Direc-  
tors.

WOODBIDGE, ONT.

**CHURCH.—**Tenders will be received up to  
12 M. of the 15th day of May, 1877, for the erection in  
whole or in part, of a Brick Church at Woodbridge, Ont.  
Plans and specifications can be seen at Dr. Grant's, Wood-  
bridge. The lowest tender not necessarily accepted.

**STONE.**  
LONG ISLAND, N. Y.  
UNITED STATES ENGINEER OFFICE,  
No. 81 STATE ST., NEW LONDON, CONN., April 24, 1877.  
Sealed proposals will be received at this office until 11  
o'clock A. M., on the 24th day of May, 1877, for stone deliv-  
ered at Port Jefferson Harbor, Long Island, N. Y. Specifi-  
cations in regard to the work, and blank forms for proposals  
and guaranty, upon which all bids must be made, will be  
sent on application to this office.  
J. W. BARLOW, Major of Engineers,

**PROPOSALS.**

**JAIL.**

MILTON, ONT.  
Tenders will be received up to noon of May 18, 1877, for  
the several works required in the erection of a new Jail, and  
addition to the Court House, in the town of Milton, Ont., in  
accordance with plans and specifications prepared by James  
Balfour, architect, Hamilton. Sealed tenders, indorsed  
"Tenders for County Buildings," to be sent to Finlay Mc-  
Callum, Treasurer, Halton County, Milton. Plans and  
specifications may be seen at his office. The Council do not  
bind themselves to accept the lowest or any tender. Secu-  
rity will be required.  
THEW CLEMENTS, Warden, County Halton, Trafal-  
gar P. O.

**HEATING AND PLUMBING.**  
PONTIAC, MICH.  
Sealed proposals will be received by the Board of Build-  
ing Commissioners, Pontiac, Mich., until 2.30 P. M., of Tues-  
day, May 29, 1877, at which time said proposals will be  
opened, for all labor and materials required for the heating  
and plumbing of the Eastern Asylum for the Insane, at Pon-  
tiac, Mich., including boiler, tanks, pumps, cold and hot  
water, and steam distribution, bath-room, lavatory, and  
closet fixtures, etc., in accordance with plans and specifica-  
tions adopted by said Board. Said plans can be examined  
at the office of the Superintendent at Pontiac, on and after  
May 8, 1877. For further information relative to plans or  
conditions, address C. M. WELLS, Superintendent of Con-  
struction.

**IRON WORK.**  
BROWNSTOWN, W. VA.  
Proposals for the iron-work of a moveable dam on the  
Great Kanawha River, near Brownstown, will be received  
until noon of May 16, 1877, and opened im-  
mediately thereafter.  
Blank forms, specifications, and any desired information  
can be had on application to this office.  
W. P. CRAIGHILL, Major of Engineers,  
UNITED STATES ENGINEER OFFICE,  
BALTIMORE, MD., April 23, 1877.

**IRON WORK.**  
OFFICE OF BUILDING FOR STATE, WAR, AND  
NAVY DEPARTMENTS,  
WASHINGTON, D. C., May 1, 1877.  
Sealed proposals will be received at this office until 12  
o'clock, M., of the 16th day of May, 1877, for furnishing, de-  
livering, fitting, and putting in place the wrought and cast  
iron work as exhibited by the drawings, described in the  
specifications, called for in the schedule, and required for  
the centre pavilion of the East Wing of the Building for  
State, War, and Navy Departments, of Washington, D. C.  
Copies of the drawings, specifications, and schedule may  
be had on application to this office.  
All scaffolding necessary to put the work in place will be  
furnished and erected, and all hoisting will be done, by the  
United States.

The whole work must be completed within one hundred  
days from date of acceptance.  
All bids must be accompanied by a penal bond in the sum  
of the aggregate amount of the bid, that the bidder will ac-  
cept and perform the contract if awarded to him. The suffi-  
ciency of the security to be certified by the United States  
Judge, the Clerk of the United States Court, or the District  
Attorney of the district wherein he resides.  
The undersigned reserves the right to reject any or all bids,  
nor will he consider any bid that is not made on the printed  
form to be obtained at this office, and does not conform to  
the requirements of this advertisement.  
Proposals will not be received from parties who are not  
themselves engaged in the manufacture of wrought and cast  
iron work, and who have not the necessary facilities for  
getting out the work.  
Proposals will be indorsed "Bids for Iron Work for Roof  
of Centre Pavilion of East Wing of Building for State  
War, and Navy Departments, Washington, D. C.," and ad-  
dressed to  
THOS. LINCOLN CASEY, Lieut.-Col. Corps of Eng.

**SCHOOL HOUSE.**  
BETHEL TOWNSHIP, O.  
Sealed proposals will be received at the office of the Clerk  
of Bethel Township, Clark County, Ohio, until 12 M., on the  
16th day of May, 1877, for building a brick schoolhouse in  
sub-district No. 5 of said Township, according to plans and  
specifications on file in said office. Each bid shall state  
how much less the said house will be built for the privilege  
of using all the good material in the old schoolhouse in  
said sub-district in the construction of the new house. For  
further information apply to the undersigned. By order of  
the Board of Education.  
H. N. TAYLOR,  
Township Clerk, New Carlisle, O.

**COMPETITIONS.**

**TO IRON-WORKERS.  
PROPOSALS.  
STATUE OF GEN. LEE.**

OFFICE OF THE BOARD OF MANAGERS  
LEE MONUMENT ASSOCIATION,  
(Incorporated Jan. 2, 1871).  
RICHMOND, VA., March 3, 1877.  
Models, drawings, and designs will be received at this  
office up to the hour of noon on the first Monday in Septem-  
ber, 1877, for a Colossal Equestrian Statue of Gen. Robert E.  
Lee to be erected on the Capitol Square at Richmond, Va.  
Competitors will present their own designs for statue and  
pedestal, accompanied by estimates of cost, stating terms of  
payment, and the time required for the completion of the  
work, free of all charges to the Board.  
The models will not be uncovered nor the drawings ex-  
hibited until the first Monday in September, at noon; and no  
proposals will be received or considered which have not  
arrived at that hour, accidents excepted.  
The Board reserving to itself full liberty to reject any and  
all proposals, in their discretion, will open the estimates on  
the third Monday in September, 1877, and make their award  
in three days thereafter.  
Any further information which may be desired will be  
freely afforded by addressing the undersigned.  
By direction of the Board of Managers,  
S. BASSETT FRENCH, Secretary

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Table for DOORS AND BLINDS (DOORS, RAISED PANELS, TWO SIDES; DOORS, MOULDED).

Table for DOORS AND BLINDS (INSIDE BLINDS).

Table for DOORS AND BLINDS (OUTSIDE BLINDS).

Table for DOORS AND BLINDS (WINDOW FRAMES).

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Table for DOORS AND BLINDS (LIME).

Table for DOORS AND BLINDS (LATH).

Table for DOORS AND BLINDS (LUMBER).

Table for DOORS AND BLINDS (PAINTS AND OILS).

Table for DOORS AND BLINDS (CEMENT).

Table for DOORS AND BLINDS (BUILDERS' HARDWARE).

Table for DOORS AND BLINDS (Door Butts).

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Table for BUILDERS' HARDWARE (Nails, Sash Weights, Sash Line).

Table for DOOR BUTTS (Japanned Acorn, Plain Bronzed Iron, Ornamental Bronzed Iron).

Table for MORTISE LOCKS (Factory make, Boston make).

Table for METALS AND TINNERS' STOCK (Tin plate, Tin roofing, Pig tin, Galvanized iron).

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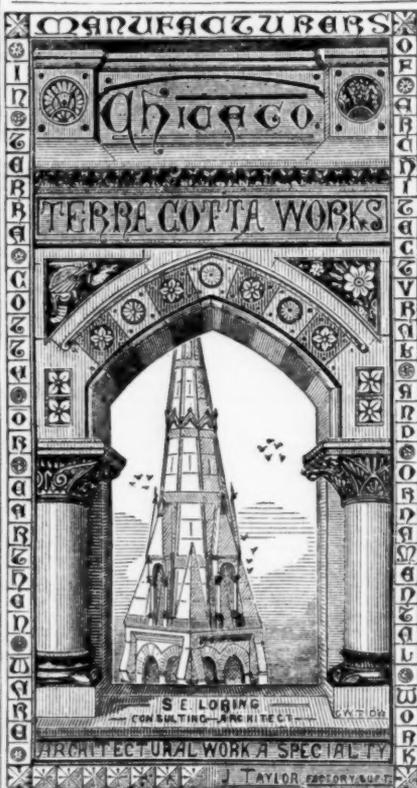
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**BUILDING INTELLIGENCE.**

Summary of the Week.—Reports from the Principal Cities of the Country.

[Reported for the American Architect and Building News.]

**Boston.**

**FRAME DWELLINGS.**—From May 1 to May 8 permits were issued for the erection of 11 frame dwellings, averaging about \$5,000 each, and 7 permits for various other buildings, the cost of which will average about \$1,000 each. The names of the builders are George Reynolds, Joseph Ruth, Delano and Little, A. Benson Rowe, Hargrave and Son, Geo. K. Waterhouse, Hollbrook and Harlow, Edward McKechnie, M. H. Fossett and Co., John F. Haynes.

**REPAIRS.**—The number of permits for repairs issued between May 1 and May 8 has been unusually large, reaching 62, some of which are quite extensive. The sum expended in repairs in Boston from Jan. 1 to May 1 has been about \$200,000.

**LIBRARY BUILDING.**—The foundations are completed for an extension of the library building of the American Antiquarian society, 46 feet wide and 51 feet long. In style and material it will be similar to the present building, pressed brick and brown stone being used for the outside. Messrs. Norcross Brothers are the contractors.

**FLATS AND STORE.**—Stephen Salisbury, jun., is building a block at Lincoln Square, 109 x 118 feet, with five stores in the first story, and three stories above, containing twelve tenements in flats. Material, face brick and Longmeadow brown stone. N. W. Eddy is the builder. Mr. Eddy is also building a store on Front Street, for Sumner Pratt, with front of pressed brick and Ohio stone.

**STORES.**—James White has charge of the construction of a four-story brick and granite building 50 x 80 feet, for stores and business purposes, for G. Henry Whitcomb.

**Chicago.**

**CUSTOM HOUSE.**—Mr. Burling, Superintendent of the new Custom House, predicts that the stone-work will be finished in sixty days, and the structure be under cover by the close of the year. A short time ago another change was made in the plans for the roof, the plans for only a part of which have been received, but Mr. Burling expects the rest before long. The changes consist in the addition of fifteen feet of stone and brick work above what was intended to have been the cornice of the building. This will make the stone face of the building rise ninety-nine feet above the pavement. The alterations in the roof itself are slight. A different pitch has been given to it, and some of Mr. Potter's sharp-pointed pinnacles have been truncated. The roof will be constructed of slate and iron, the chimneys of stone. The changes in the roof are thought to be for the better. The top of the building will be strictly Gothic. Work is progressing at present with commendable speed. There are employed 160 laborers on the Custom House itself, in laying brick and setting stone, and 400 at the Twelfth-street yards in cutting and dressing the stone for use. The contract for the iron-work of the roof will soon be let, and this will be the last important expense until the fitting up of the interior is begun.

J. M. VAN OSDELL & Co. have on hand a first-class dwelling for M. F. Tucker, in modern Gothic style, Philadelphia brick, with Lemont stone trimmings, corner of Prairie Avenue and 23d Street, cost \$40,000; also a first-class residence in same style, on Drexel Boulevard, corner of 50th Street, for B. D. Fowler, cost \$35,000; a residence at Hyde Park for Mr. Shubert, frame with brick basement, cost \$4,000; a five-story and basement building, 48 x 163, on Wabash Avenue, for Burton estate, cost \$20,000; and a four-story building for Ewing estate, corner North Clark Street and Chestnut Place, 101 x 75, cutstone fronts, stores and apartments, cost \$40,000.

**Cleveland, O.**

**BUILDING-PERMITTS.**—Since our last report, the following building-permits have been issued by the Board of Improvements: To M. Walkey, premises on Sterling Avenue; Dautel and Meinecke, Ontario Street; P. McKinney, McKinstry Street; H. F. Leyboldt, Freeman Street; John Gawn, Ohio Street; H. J. Cubbon, Superior Street; A. J. Good, Broadway; Martin Keiper, Hamilton and Maunson Streets.

**WATER WORKS.**—Work upon the superstructure of the new water-works crib will soon be commenced. This structure is to replace the temporary wooden building now in position. It stands about a mile from the shore, at the end of the tunnel for supplying the city with water. It will consist of a foundation of stone surmounted by an iron structure supporting the

lantern. It is under the direction of Mr. John Whitelaw, engineer of the water works. Mr. A. A. McDonald is the contractor. It is to cost \$54,840.

**VIADUCT.**—Work is going on at the westerly part of the viaduct which is being built across the river and flats between the east and west "sides" of the city. It is to afford a better means of communication between the two largest parts of the city, and is rendered necessary by the steepness of the hills on each side of the river, and by the danger presented by the crush of vehicles at the railroad crossings. West of the river, the roadway will cross the flats, supported upon massive stone arches, eight of which will span 83 feet, and two 95 feet. This part will be about 2400 feet in length in all. The roadway, which is to be 42 feet in width, will be paved with stone. The two sidewalks will be each 11 feet in width. The contract for this part of the structure is being executed by Mr. E. W. Ensign of Buffalo. East of the bridge there is to be an iron structure of six spans, with an aggregate length of 600 feet, resting upon foundations of masonry. This part is to be of the same width as that west of the bridge, and is to be paved with wood. There is to be a pivot or swing bridge of iron, 330 feet in length, and 31 feet in width, including two sidewalks 8 feet wide. It will be swung by steam or water power. The roadway at the bridge will be 65 feet above the water. At the present time, most of the arches of the westerly portion are complete; the retaining walls, the filling, and the roadway remaining to be added. The pier for the support of the bridge is being built, and proposals for the execution of the work east of the river, and for the bridge, are advertised for in the Cleveland papers. The whole structure will cost from \$2,000,000 to \$2,500,000. It is expected that it will be completed by a year from July next. Mr. S. H. Miller is the superintending engineer, under Mr. B. F. Morse, city civil engineer.

**BRIDGE.**—The Board of Improvements has advertised for proposals for the construction of masonry, foundations, and approaches for a new bridge at Lower Central Way. An iron bridge will be built as soon as the foundations are ready.

**HIGH SCHOOL BUILDING.**—Excavations are being made upon the site of the new high school building, a view of which was given in the *American Architect and Building News* of April 21. It is to be situated on the west side of Wilson Avenue. It is a stone-faced building 139 by 163 feet on the ground, and three stories in height above the basement. It will contain fourteen session rooms 30 by 37 feet, and 16 feet in height, an assembly room 59 by 94 feet, with a seating-capacity for 900 persons, and recitation, lecture, and other necessary rooms. Mr. Levi T. Scofield is the architect. Messrs. Brooks and Lins are the contractors. The contract is \$73,890.

Mr. Scofield has also on hand two large dwellings and other buildings.

**ST. BRIDGET'S CHURCH.**—St. Bridget's Roman Catholic parish is about to erect a new church on Perry Street. This structure will be of cruciform shape, 72 feet front and 162 feet deep. The height from the floor to the apex of the ceiling will be 48 feet, and at the side walls 33 feet. On the front corner of the building there will be a spire 170 feet high. There will be a seating-capacity for about 1,000 persons. It is the intention to enclose it this summer. Messrs. Dunn and Charlott are the architects. The contract for enclosing is \$19,000. The entire cost will be about \$30,000.

Mr. H. E. MYERS is now building a large hotel at Zanesville. Messrs. Black and Graham are the projectors of this enterprise. It will be completed this year, and will cost about \$75,000.

**THE COURT HOUSE** at Newark, by the same architect, is up to 12 feet above the basement. This is to be a stone-fronted, fire-proof building costing \$150,000. It will probably be finished by next January.

Mr. F. S. BARNUM is building a fine residence on Euclid Avenue for Mr. W. H. Price, and has also several other dwellings going on or about to be commenced.

**Springfield, Mass.**

Building-projects languish here this season. Messrs. Ferry and Gardner are making drawings for a block, to cost about \$20,000, for the *Springfield Republican*. Mr. J. Perkins, architect, is building a block of warehouses to cost about the same amount, for the Agawam Bank. A chapel, to cost \$10,000, is soon to be built in Chicopee Falls; architect unknown. The contracts for Messrs. Peabody and Stearns' church at Northampton have been let, and work will soon commence. The contract price is about \$50,000.

**New York.**

**CHURCH DEDICATION.**—The new Church of St. Agnes on Forty-third Street, near Lexington Avenue, was dedicated by Cardinal McCloskey, May 6.

**STORES AND FLATS.**—Susan Lynch will erect three brick stores, near French flats, near Eighty-seventh Street, on Third Avenue, at a cost of \$20,000. Bernard Havenagh will build at Twenty-second Street, and Ninth Avenue French flats costing \$12,000.

**STORK.**—The Spingler House on Union Square is to be torn down, and a handsome building for stores and offices will be erected on its site.

**BUILDING PERMITTS.**—Thirty-three buildings, Total value \$317,000. Consisting of stores, French flats, dwellings, &c.

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**St. Louis.**

Forty-one permits have been issued for the week ending May 7. Fourteen of these are for frame structures of slight value. The rest are for brick buildings with brick or stone fronts. Those worth \$2,000 and over are as follows:—

J. Schopp & Bro., store, \$6,000; William Scharringhausen, dwelling, 24 rooms, \$3,500; D. Braunier, dwelling, 16 rooms, \$8,400; A. A. Chonteau, dwelling, 18 rooms, \$4,600; George Knapp, stores and offices, \$50,000; Walsh & Jungenfeld, architects, public school, 6 rooms, \$5,175; D. Thomas, dwelling, 6 rooms, \$2,500; J. B. Harris, dwelling, 16 rooms, \$3,000; P. Gronemeyer, stores and dwelling, 7 rooms, \$2,400; Levy, Stern, & Co., stores and dwelling, 15 rooms, \$6,000; W. J. Hurska, dwelling, 20 rooms, \$8,000; F. Zelle & Bro., packing-house, \$3,500; L. White, dwelling, 8 rooms, \$8,600.

The directors of the Mercantile Library Association have advertised for plans for additional exits from their hall for use in case of fire or panic. The hall is the largest and finest in the city, having a seating-capacity of some 1,500; but it is on the third floor of a lofty building, at a height of some thirty-seven feet from the pavement, and has practically but one stair for exit. A premium of \$100 is offered, plans to be sent in by the 10th inst.

**General Notes.**

**BROOKLYN.**—Nine houses on Front and Dock Streets, belonging to the Bridge Trustees, were sold by auction May 4, the terms of the sale requiring the purchasers to pull down the buildings and clear them away at once. The houses brought from \$9 to \$75 each.

**BUSHWICK, N. Y.**—The Long Island Railroad Company is erecting a new brick depot at the Bushwick Station. It is arranged so that incoming and outgoing trains are on opposite sides of the depot.

**FITCHBURG, MASS.**—A new union passenger depot—a building much needed—is soon to be built at Fitchburg by the Boston, Clinton, and Fitchburg, and New Bedford and Fitchburg roads. The building will be of brick, and will soon be begun.

**GRAND RAPIDS, MICH.**—The new Baptist church was dedicated on the 29th ult. The new building is one of the largest in the State. The main audience-room in the second story will seat 1,300 persons comfortably. The basement contains a Sunday-school room capable of holding 800 persons. It cost about \$82,000.

**HANOVER, N. H.**—It has been voted to build a new schoolhouse on School Street according to the plans submitted by Prof. Sherman; the cost not to exceed \$10,000 and the proceeds from the sale of the old house and lot.

**LOWELL.**—John E. Hadley is to erect a large three-story brick building at the corner of Market and Worthen Streets, to be used for tenements and stores, and for an extensive livery stable.

**LIMA, O.**—The work of tearing down and removing the old buildings at the corner of Market Street and the Public Square was begun on May 3. The contract was let this week.

**LYNN, MASS.**—The Chief Engineer of the Fire Department has recommended better

accommodations for the department stationed on Mulberry Street, as the buildings are getting unsafe for use, and the liabilities to accident are great for both men and horses. It is thought that the City Government will take early action upon the matter.

MORRISTOWN, N. J. — Work is to begin soon upon the new edifice for the Second Presbyterian Church at Morristown, N. J., the former building having been destroyed by fire last winter. The new structure, which is planned by J. C. Cady, has an auditorium adapted for about 1,000 persons, and nearly an equal accommodation for Sabbath school, church meetings, reunions, etc. The peculiarity of the building is that while it is so planned as to give the congregation a thoroughly comfortable arrangement in regard to seeing, hearing, etc., it is in every aspect and development a thoroughly church-like building. The columns supporting the roof are so placed as not to interfere with the view. From them rise large arches carrying the central lantern, an effective feature of the building. The interior is to be finished in hard wood. The exterior will be of Belleville stone. A massive tower will form the apex of the roof lines.

MANSFIELD, CONN. — It is doubtful whether the Soldiers' Orphans' Home will be converted into a hospital for the insane this year, owing to the meagre appropriation voted by the Legislature for fitting up the buildings. \$6,000 were appropriated for the purchase and the fitting of the buildings, of which the sum of \$5,000 are requisite for purchase alone.

MIDDLETOWN, O. — The corner-stone of the German Evangelical St. Paul Church was laid May 10.

NEW HAVEN, CONN. — Ex-Gov. English is about to erect what is intended to be the finest business block in New Haven.

PROVIDENCE, R. I. — The aldermen have made an appropriation of \$10,000 for the new high school building.

WASHINGTON, D. C. — R. G. Russell of New Haven is the architect of the new Unitarian church to be built in Washington.

Publishers' Department.

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MESSES. JAMES R. OSGOOD & CO. Gentlemen, — At the close of the first year of the American Architect and Building News we desire to express our satisfaction at its establishment, and at the way in which it has been conducted. The excellent literary character it has maintained is calculated to commend it to persons of intelligence and culture outside the profession; and by thus interesting the general public in professional matters at the same time it presents them from a strictly professional point of view, it is doing both the profession and the public the greatest service.

It would be a great gratification to us if it could also be made, as it deserves to be, the customary and recognized channel of communication, through its correspondence and its advertising columns, between architects, the makers of building-appliances, and the public. This would be a personal convenience indeed to ourselves, as the pages of the journal are more handy and easy of reference than cards and circulars.

You are at liberty to make any use of this communication that you may judge best adapted to forward the interests of the journal. — interests which are in our judgment also those of the profession itself. Wishing it every prosperity, we are

Very respectfully yours, R. M. HUNT, HENRY DUDLEY, CHARLES C. HAIGHT, EDWARD H. KENDALL, HENRY FEINBACH, WM. A. POTTER, EMLEN T. LITTELL, R. M. UFGOHN, CARL PFIEFFER, GEO. E. HARVEY, NELSON L. DERBY, A. J. BLOOR,

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PROVIDENCE, March 8, 1877.

MESSES. JAMES R. OSGOOD & CO. WE the undersigned, members of the Rhode Island Chapter, A. I. A., heartily unite in the indorsement of the excellence of the American Architect and Building News, and in the recommendation to the public and the makers of building-appliances to make its columns the medium of communication with architects.

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(Copy.)

N. Y. CHAPTER OF THE AMERICAN INSTITUTE OF ARCHITECTS, 128 BROADWAY (COR. CEDAR STREET), NEW YORK, JAN. 18, 1877.

PRESIDENT MECHANICS' AND TRADERS' EXCHANGE. Dear Sir, — At a meeting of this Chapter held on the 16th inst. action was taken on the subject of the weekly journal entitled the American Architect and Building News; and I was directed to communicate with you, and to suggest that the building-interests generally would be likely to be advanced if that serial should be made, as it deserves to be, the customary and recognized channel of communication, through its advertising columns, between the manufacturers and vendors of building-appliances and the public.

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Hoping that you will take some pains to interest the members of your organization in the subject, I am Yours respectfully, A. J. BLOOR, Secretary.

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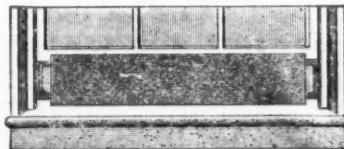
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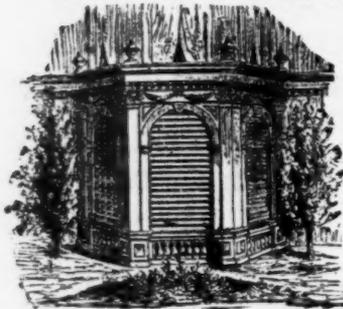
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HAVE for many years given their exclusive attention to  
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mum of stiffness, maximum of clench; the best lath  
ever made, either wood or iron." See New York Post-  
Office; State Department, Washington; Equitable Life  
Insurance Company's Buildings, and many others.

Mr. HOYT will be pleased to wait upon Architects, when  
desired, to explain our methods, and to present for inspec-  
tion construction plans and estimates for any specific work.

**PROPOSALS.**

**BRIDGE.**—Sealed proposals will be received  
until 1, P. M., June 5, 1877, for the furnishing of all labor  
and material for the construction and erection of a wrought-  
iron bridge over the Sandusky river, on the Western Reserve  
and Maumee Road, in the city of Fremont, O. The bridge  
will be a through bridge, consisting of three spans; two spans  
will be eighty-nine feet each in extreme length, and one  
channel span of one hundred and forty-two and one-half  
feet extreme length. Two proposals for the same bridge  
will be received. 1st, For a bridge of two roadways, each  
roadway to be eighteen feet in width in the clear, with two  
sidewalks of eight feet each in the clear. 2d, For two road-  
ways of sixteen feet in the clear, with two sidewalks  
seven feet in width in the clear. The bridge must be pro-  
portioned to carry, in addition to its own weight, ninety  
pounds per square foot of moving load over the entire span.  
The wrought iron used shall be that of the best quality  
suited to the purpose. Full particulars relating to the  
limits of strains, &c., and all other information may be  
obtained of the undersigned. There will also be required a  
strain sheet, giving weight of bridge, with maximum strains  
under the specified load. Bids to be made per lineal foot  
for extreme length of superstructure. Proposals will be  
directed to Peter Thatcher, care Auditor of Sandusky  
County, Fremont, O. All letters of inquiry will be directed  
to W. L. Williams, Engineer of Public Works, Canton, O.  
PETER THATCHER, Acting Commissioner Board of  
Public Works.

**PROPOSALS.**

**IRON WORK.**  
**OFFICE OF LIGHTHOUSE ENGINEER,  
THIRD DISTRICT, TOMPKINSVILLE, N. Y.,  
May 7, 1877.**

Proposals for the metal work of the Stratford Shoal  
Lighthouse, Long Island Sound, N.Y.  
Sealed proposals will be received at this office until noon  
of the thirty-first day of May, 1877, from iron manufactur-  
ers only, for furnishing materials and labor of all kinds  
necessary for the completion of the metal work for Strat-  
ford Shoals Lighthouse, in accordance with the plans and  
specifications, which, with all other information will be  
furnished upon application to the undersigned.

The bids will state the sum for which the entire metal  
work will be completed, fully erected at the workshops,  
taken down after acceptance, and delivered upon the deck  
of the vessel to be provided by the Lighthouse Board, at  
the city of New York or at the city of Brooklyn. The bid  
will also state the date upon which the work will be com-  
pleted and delivered upon the vessel of the United States.

Proposals will be in duplicate, and upon forms which will  
be furnished by the undersigned upon an application.  
The right to reject any or all bids, or to waive defects, if it  
be deemed for the interests of the government, is reserved.  
A copy of this advertisement should accompany each  
bid.

J. C. WOODRUFF, Colonel of Engineers, U.S.A.,  
Engineer Third Lighthouse District,  
74 P.O. Box No. 4032, New York City.

**REFORM SCHOOL.**

**LANCASTER, O.**  
Sealed proposals will be received at the State Reform  
School, near Lancaster, O., till 12 o'clock, noon, May 31,  
1877, for furnishing the materials and performing the labor  
necessary for the erection of a Family Building for one hun-  
dred boys; said building to be three stories high above the  
basement; the basement to be of block-stone, the upper  
stories to be of brick.

Plans and specifications can be seen at the office of the  
Acting Commissioner at the Farm. The contract will be let  
to the lowest responsible bidder, who will be required to  
give a bond with good and sufficient security for the faithful  
performance of the work.  
G. E. HOWE, B. W. CHIDLAW, J. M. PUGH, Com-  
missioners.

**HANOVER, N.H.**

**SCHOOL-HOUSE.**—Proposals are invited  
for the immediate erection in this town of a two-story  
brick school house, with mansard roof and basement. Cop-  
ies of specifications with further information will be fur-  
nished bidders on application to  
JOSEPH B. MORSE, Prudential Committee,  
Hanover, N.H., May 5, 1877.

**HEATING AND PLUMBING.**

**PONTIAC, MICH.**  
Sealed proposals will be received by the Board of Build-  
ing Commissioners, Pontiac, Mich., until 2.30 P.M., of Tues-  
day, May 29, 1877, at which time said proposals will be  
opened, for all labor and materials required for the heating  
and plumbing of the Eastern Asylum for the Insane, at Pon-  
tiac, Mich., including boilers, tanks, pumps, cold and hot  
water, and steam distribution, bath-room, lavatory, and  
closet fixtures, etc., in accordance with plans and specifica-  
tions adopted by said Board. Said plans can be examined  
at the office of the Superintendent at Pontiac, on and after  
May 8, 1877. For further information relative to plans or  
conditions, address C. M. WELLS, Superintendent of Con-  
struction.

**STONE.**

**LONG ISLAND, N.Y.**  
**UNITED STATES ENGINEER OFFICE,  
No. 91 STATE ST., NEW LONDON, CONN., April 24, 1877.**  
Sealed proposals will be received at this office until 11  
o'clock, A.M., on the 24th day of May, 1877, for stone deliv-  
ered at Fort Jefferson Harbor, Long Island, N.Y. Specifi-  
cations in regard to the work, and blank forms for proposals  
and guaranty, upon which all bids must be made, will be  
sent on application to this office.  
J. W. BARLOW, Major of Engineers.

**CHARLOTTETOWN, P.E.I.**

**LUNATIC ASYLUM.**—Sealed tenders, ad-  
dressed to the undersigned, and indorsed, "Tender for  
Lunatic Asylum, Prince Edward Island," will be received  
at the Office of Public Works, Charlottetown, P.E.I., until  
Monday, the 21st of May next, at noon, for the erection and  
completion of a new Lunatic Asylum at Charlottetown,  
P.E.I. Plans and specifications can be seen at this office,  
and at the office of Messrs. Sterling & Dewar, architects,  
Halifax, on and after the twenty-first day of April. Con-  
tractors are notified that tenders will not be considered  
unless made strictly in accordance with the printed forms.  
For the due fulfillment of the contract, satisfactory security  
will be required.  
WILLIAM D. STEWART, Com. Public Works.

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THE NEW YORK MARKET.

WHOLESALE PRICES.

[Reported for the American Architect and Building News.]

Table with columns for material type (e.g., Pale, Jersey, Long Island) and price per unit.

Table for CEMENT, listing items like Rosendale, Portland, Roman, Keene's coarse, and Keene's fine with prices.

Table for FIRE BRICK, listing Red Welsh, Scotch, and American types.

Table for DOORS AND BLINDS, listing DOORS, RAISED PANELS, TWO SIDES.

Table for DOORS, MOULDED, listing sizes like 2.0 x 6.0, 2.6 x 6.6, etc.

Table for OUTSIDE BLINDS, listing materials like Pine, Whitewood, Cherry, etc.

Table for INSIDE BLINDS, listing materials like Pine, Ash, Cherry, etc.

Table for WINDOW FRAMES, listing materials like Pine, Whitewood, etc.

Table for HAIR, listing Cattle and Goat.

Table for LIME, listing State, Rockland, and Ground types.

Table for LATH, listing Pine, very choice, and extra dry.

Table for PAINTS AND OILS, listing Paris white, Zinc white, Lead white, etc.

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Table for SLATE, listing Purple roofing, Green slate, Red slate, etc.

Table for TIN PLATES, listing No. 1, No. 2, I. C. charcoal, etc.

Table for ZINC, listing Sheet (gold) foreign.

Table for LEAD, listing Bar and Sheet.

Table for Door Knobs, listing Solid glass, Silvered glass, etc.

Table for Sash Fasteners, listing Plain brass, Nickel plated, etc.

Table for Screws, listing Round head, nickel plated, etc.

Table for Store Door Handles, listing Lacquered brass, Bronze metal, etc.

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BOSTON. PRICES TO CONTRACTORS AND BUILDERS.

Table for FIRE BRICK, listing No. 1 Boston, Waldo Bros. Extra, etc.

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Table for PAINTS AND COLORS, listing White Lead, Strictly pure, etc.

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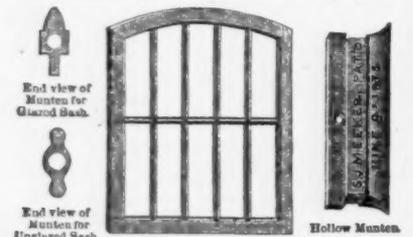
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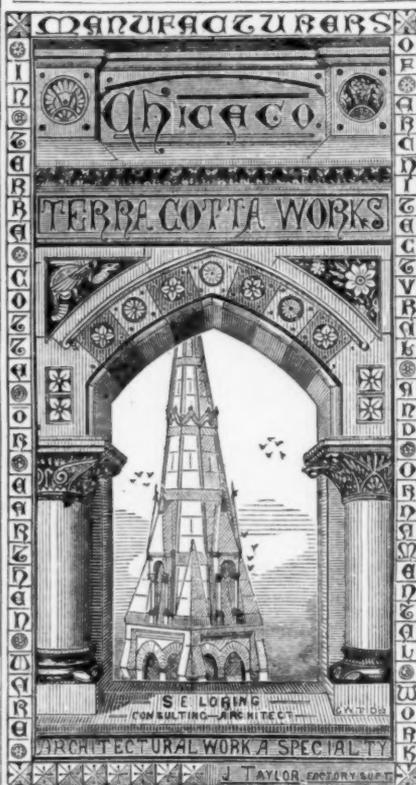
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DYNAMITE.—The Messrs. Cross Brothers have lately been making experiments in England to ascertain the action of dynamite when it is placed wholly and simply on the outside of a mass of metal.

INDIA INK.—The Papier Zeitung gives the following recipe for making a deep black India ink which will also give neutral tints in its half shades: Rub thoroughly together eight parts of lampblack, sixty-four parts of water, and four parts of finely pulverized indigo.

THE SCOURING OF RIVER-BEDS.—The boundary rock between New Hampshire and Massachusetts, when located, was just three miles north of the Merrimack River, and in the mouth of the Hampton River.

ELECTRIC PHENOMENON.—A singular phenomenon recently occurred in Virginia City, Nev. At first it had the appearance of sparks of fire coming up through the pools of water in the streets, which seemed to explode as they reached the air, in many instances producing a report which could be heard across the street, and being accompanied by a puff of smoke which emitted a sulphurous smell.

SHAMS IN EGYPT.—If one expected to find sincerity of construction in any one country of the world, it would probably be in Egypt that one would feel most certain of meeting with it; yet in the mosque of the citadel at Cairo the walls are sheathed with slabs of alabaster to the height of twenty feet from the ground, and above that height they are painted in imitation of it.

SAND AND GRAVEL vs. SAND AND CLAY.—Bunker Hill Monument resting upon hard sand and gravel with a pressure of 5 1/2 tons has not settled, while the first spire of Trinity Church, New York, resting upon coarse sand with a slight admixture of clay, with a pressure of five tons per square foot, settled so much that it had to be taken down and rebuilt.

BUILDING INTELLIGENCE.

[Reported for the American Architect and Building News.]

FIRE RECORD.

Showing how buildings recently burned are to be replaced.

Summary of the Week.—Reports from the Principal Cities of the Country.

AUGUSTINE, DEL.—The paper-mill of Messrs. Jessup and Moore, which was burned April 4, is to be replaced by a main building of iron, stone, and brick, and several smaller buildings, from the designs of Mr. H. J. Taylor of Philadelphia.

BROOKFIELD, MASS.—No preparations have been made for replacing the building occupied by H. A. Forbes, and destroyed by fire April 18.

CLEVELAND, O.—The York elevator, destroyed by fire, will be rebuilt. Seventy-five thousand bushels of wheat is to be the capacity of the new structure. C. M. Nichols and Co. will, it is said, operate it.

CUMBERLAND, MD.—The furniture factory of K. H. Butler, which was destroyed by fire April 14, is to be replaced by a brick building 57' x 215' covered by a metal roof. Mr. Butler is his own architect and builder.

JACKSONVILLE, FLA.—The post-office building which was burned on April 2 is to be replaced by a wooden building measuring 30' x 40', which is to be occupied as a dwelling, W. A. Macduff, builder.

LOCK HAVEN, PENN.—The building occupied by Messrs. Wallace and Hilton, druggists, burned on April 3, is being replaced by a brick building with iron and glass front. The lower story is to be divided into a druggist's, a grocer's, and a hardware store. It is being built by David Salmon, from the designs of Isaac A. Shaffer, architect. There are two more buildings going up on the site of the fire of April 3, '77: size of one building, 21 feet front, 68 feet deep, built of brick, iron front with plate-glass windows, tin roof; to be occupied as grocery store. This one will be built in the same style as that of the first described. The architect and builder is Mr. Charles Scheide. The other building measures 41 feet front x 70 deep, is built of brick, tin roof, and plate-glass windows, is to be occupied as bank and storeroom. Architect and builder, S. R. Compton.

NEW YORK, N.Y.—The building of the Journal of Commerce, which was burned on April 23, is to be replaced by a brick building six stories high and measuring 100' x 25'. The building is to be occupied entirely by the Journal of Commerce. Mr. Adams is the builder, working from the designs of Mr. Stone, the editor-in-chief.

ST. GEORGE, ONT.—The foundry and machine shop of Messrs. Bell and Son, which was burned April 13, is to be replaced by a brick building forming two sides of a parallelogram measuring respectively 114' and 80'. Messrs. Bell and Son are the builders under the direction of Mr. J. Lorimer, architect. The building is to be used for the manufacture of agricultural machines.

WEST RANDOLPH, VT.—Dubois and Gay's block on Main Street, destroyed by fire April 3, is to be replaced by a brick building 52' x 120' three stories high, having a mansard roof; it is to be used for stores, offices, and the village hall. Messrs. Spooner and Strong and W. P. Morse are the builders from plans of Mr. W. P. Morse.

Boston.

BRICK BUILDINGS.—From May 8 to May 16, permits were issued for 12 buildings; viz., 7 dwellings, 1 family hotel and stores, 1 dwelling and store, 2 storage and 1 stable; all of which

will be No. 1 buildings, and built by Ivory Bean, William B. Quigley, James McNeil, I. and H. M. Harrison, Leonard Pickering, and John Quirk.

WOODEN AND FRAME BUILDINGS.—From May 8 to May 16, permits were issued for 23 buildings; dwellings, dwellings and stores, storage, stables, etc., all of which will be good and substantial in every respect. The builders are Wilson Brothers, James F. Smith, John B. Wilson, James B. Maynard, McNeil Brothers, Fabius Rose, Thomas Geelin, and Holbrook and Harlow.

REPAIRS.—From May 8 to May 16, permits were issued for 73 buildings, the alterations and repairs for which are extensive in many cases, and the improvements are being made for mercantile and dwelling purposes generally.

THE POST OFFICE.—Supervising Architect Hill has ordered the resumption of work on the Boston Post Office site. It is expected that the \$50,000 appropriation will be sufficient to complete the excavation, the retaining walls, and foundation, and possibly leave something for the basement walls. The work will now be rapidly pressed. Col. Jonas French is here making some arrangements about the stone-work.

Cleveland, O.

BUILDING-PERMITS.—Since our last report the following permits to occupy streets for building purposes have been issued by the Board of Improvements: To J. E. Darby, premises on St. Clair Street; Joseph Kleum, Lake and Briggs Streets; J. P. Hattois, Kelley Street; Charles A. Hitchcock, Woodbine Street; P. McKinney, Kelley Street; C. H. Fath, Maple and Garden Streets; J. Hoekman, Bank Street; Frank Rhodenegg, Prospect Street; John Gawne, Centre, Main, and Winslow Streets; John Gawne, Union Street; B. Kingsborough, Davenport Street; B. Kingsborough, Bolivar Street; J. J. Carr, Parkman Street; William S. Wight, Long Street; James Forest, Broadway; Henry Allen, Broadway.

Indianapolis.

WORKS IN HAND IN KETCHAN & GIBSON'S OFFICE.—Three cottages for J. W. Beck, \$2,000. A double tenement house in the north part of the city. Three dwellings for Charles Lewis, \$3,000 each. Brick house for J. T. Leckslider, \$6,500. A picturesque group of dwellings for J. W. Beck, \$15,000. Extensive additions to Judge Claypole's residence. They are preparing the detail drawings for the Presbyterian church at Greensburg; the estimated cost is \$20,000. Building-permits filed in the city clerk's office from March 20 to May 8 were all for a cheap class of buildings, amounting to \$70,000.

Lawrence, Kan.

THE OUTLOOK.—The building-season has opened somewhat more briskly than was expected early in the spring; and there seems to be prospect of considerable building of works of moderate cost during the coming season.

STATE INSANE ASYLUM.—The most important work hitherto undertaken is the extension, or rather the continuation, of the State Insane Asylum at Topeka, — Haskell and Wood architects, — for which an appropriation of \$76,000 was made last winter.

THE STATE UNIVERSITY.—The same architects have on hand amongst their other work the interior finish of State University at Lawrence, which is to cost \$10,000. This work was awarded in competition to L. M. Wood of the above firm, on the 8th inst. The principal feature in this work is the design for assembly room 56 x 94, and 35 feet high. It is arranged with gallery to seat 1,100 persons.

GEORGE WELLS, architect, has just completed plans for a schoolhouse, and a Masonic hall at Clinton, Kan., cost unknown.

E. T. CARR, architect, of Leavenworth, Kan., has on hand plans for a schoolhouse at Manhattan, Kan., cost \$12,000, besides several other buildings.

New Haven, Conn.

SUMMARY FOR THE FOUR MONTHS FROM JAN. 1, 1877, TO MAY 1, 1877.—During the four consecutive months there have been granted forty building-permits, representing in the aggregate about \$180,000, of which forty permits we find by careful inquiry that about five per cent are as yet not to be executed.

Of the whole number, there are about twenty already built, building, or in process of completion, and estimated to cost from \$2,000 to \$40,000 each; the aggregate cost being about \$153,000, with the average of nearly \$8,000.

Table with 3 columns: Owners, Architects, Mason Builders. Lists names of individuals and firms associated with building projects in New Haven.

From May 1, to the week ending May 12, as follows:—

H. W. Farnham, owner; Cady of New York, architect; Smith & Sperry, mason builders. J. S. Beach, owner; D. R. Brown, architect; W. Ostman, contractor. Sargent & Co. owners; R. G. Russell, architect. New Haven Opera House Co.; —, New York, architect; contractor is Nicholas Countryman.

H. W. Farnham of this city (noticed above) is erecting a handsome block, designed by our esteemed competitor Cady of New York. The building is to be called "The Kensington," and is to be 104 feet front by 51 feet deep, and will contain all the improvements which can be desired, elevators, &c. Plan is of the French flat system. Cost about \$35,000, including steam and plumbing.

New York.

BUILDING PROJECTED FOR WEEK ENDING MAY 16.—Twenty-one in number. Consisting of stores, French flats, dwellings, &c. Total value, \$544,250.

Table with 3 columns: Owners, Architects, Builders. Lists names of individuals and firms associated with building projects in New York.

- List of building projects with details: \* First-class dwelling, Brick, stone front... \$24,000; † First-class store, Brick, iron front... 21,000; ‡ Insurance office, 37 and 39 Wall Street... Brick, stone front... 123,000; § First-class store... Brick and iron... 31,000; ¶ First-class store... Brick, iron front... 60,000; \*\* French flats, corner 4th Avenue and 29th Street... Brick and stone... 150,000; \*\*\* French flats, 103 E. 16th Street... Stone... 33,000.

St. Louis.

Thirty-three permits have been issued for the week ending May 14. Six of these are for frames of slight value. The rest are for brick buildings with fronts of brick or of stone and iron. Those worth over \$2,500 are as follows: Mrs. Walter, owner, value \$3,000; W. Rinne, \$4,750; public school, W. W. Polk, contractor, \$34,000; kindergarten, B. Weber, contractor, \$12,000; kindergarten, W. W. Polk, contractor, \$5,000; L. Frein, \$3,000; George Whitelaw, \$5,000; H. E. Davis, \$3,000; Gerard B. Allen, Barnett and Taylor architects, \$50,000; A. Gignoux, \$2,800. Mr. Allen's store, Barnett and Taylor architects, a large five-story iron and stone front building on Washington Avenue, was destroyed by fire some three months ago, and is now being rebuilt.

General Notes.

ANSONIA, CONN. — The Farrell foundry is building the largest sugar-mill ever made, which is intended for a Havana firm, and requires 16 1/2 tons of iron for one of the rollers.

EVERETT, MASS. — A building-committee has been appointed, with Joseph E. Nichols as chairman and F. E. Dwyer as secretary, to superintend the erection of the new Mount Washington district schoolhouse. A committee has been appointed to select an eligible lot in the vicinity of Nichols and Florence Streets.

GREENFIELD, MASS. — The Court House is receiving repairs under the direction of the County Commissioners. Much of the slate has been relaid, and snow-guards have been put on the roof.

HOLYOKE, MASS. — William Whiting is soon to erect a four-story building 100 by 90 feet, to be occupied by the offices of the Whiting Paper Company, together with a fine hotel, and an opera-house with seats for 1,000 persons.

HOPKINTON, MASS. — The corner-stone of a new Roman Catholic church was laid Sunday, May 12.

MADISONVILLE, O. — The Village Council has in consideration the feasibility of erecting a town hall. Besides having on the second floor a hall for public exhibitions, concerts, lectures, etc., the Masons could be accommodated upon the third floor, and the ground floor occupied by stores, etc. There is a growing want of a Protestant Episcopal church here, and that want must be eventually supplied. Mr. Louis Corneille is erecting a commodious residence for Mr. Charles Hartsel, on Columbia Street. Mr. J. D. Aikin's addition, besides the commodious enlargement of his store, will allow him to introduce much more convenient arrangements for the post-office.

MARYSVILLE, O. — According to contract, our new public school building will be completed ready for occupancy, next fall. The total cost of this edifice will be about \$50,000 or \$60,000.

MILFORD, DEL. — The building occupied by the American Basket Factory, and burned April 14, will not be replaced at present.

NASHUA, N.H. — Among the many and extensive improvements going on in this city, is a block of houses on Main Street, also two stores and house connected therewith, on the opposite side of Main Street, for the heirs of the late Gen. Israel Hunt of this city. Mr. Charles J. Bateman, architect, of Boston, has made the plans, and also has charge of the work. Mr. Bateman is also engaged upon a large brick block on Main Street.

PORTSMOUTH, N.H. — The heirs of Joshua W. Peirce have effected the purchase of the entire interest in the old Temple property on Chestnut Street, and will with other moneyed parties immediately commence the erection of an elegant opera-house of brick, thoroughly fire-proof, the interior to be richly frescoed and with fine stage appointments. It is proposed to make the hall second to none in New England. It is to be completed before the fall season opens.

PROVIDENCE, R.I. — Bids for granite flagging for the City Hall building, about 14,000 square feet, opened May 10: \$42,500, \$33,822, \$30,000, \$29,966, \$29,767.90, \$28,587.07, \$28,535.75, \$27,917.50, \$21,474. The lowest bidders were the Cape Ann Granite Co.; and the contract was awarded to them.

SPRINGFIELD, O. — Contracts were yesterday awarded for the construction of a Children's Home. Total amount of bids, \$20,748.04.

THOMASTON, CONN. — Building is very brisk this spring. Quite a number of dwelling-houses are going up. Dr. Goodwin is putting up a block of six tenements, and T. J. Bradstreet is getting out foundation stone and timber for a brick block to be a hundred feet long and four stories high. The first story is for stores, the second and third will be used as tenements, and the upper story for a public hall.

WORCESTER, MASS. — The extension of the library building of the American Antiquarian Society, and the buildings of Stephen Salisbury jun., Sumner Pratt, and G. Henry Whitcomb, now going on here, were incorrectly reported in last week's issue under the heading of "Boston." The cost of the above buildings will be about \$100,000 in the aggregate.

WORCESTER, MASS. — The Spy says there is more building in the city at the present time than has been the case since the spring of 1873. One of the causes is probably the cheapness of material and labor.

WILMINGTON, O. — Work on corporation buildings will be pushed vigorously forward, as the need of hall, engine-house, etc., is greatly felt.

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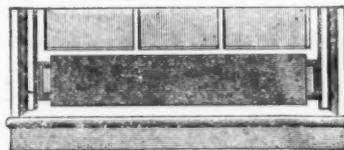
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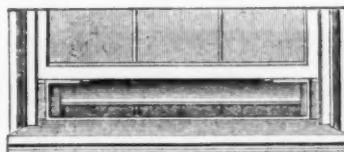
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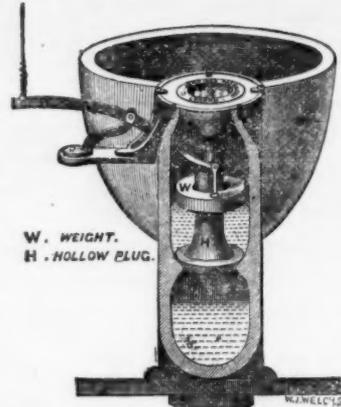
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on the 6th day of June, 1877, for furnishing, delivering, fit-  
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hibited on the drawings, described in the specification, and  
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Copies of the drawings, specification, schedule, form of  
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city and county of San Francisco, in the room of the  
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for providing and fixing Boilers, Heating and Ventilating  
Apparatus, and an Elevator for the New City Hall, as  
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**FREMONT, O.**  
**BRIDGE**—Sealed proposals will be received  
until 1 P.M., June 5, 1877, for the furnishing of all labor  
and material for the construction and erection of a wrought-  
iron bridge over the Sandusky River, on the Western  
Reserve and Maumee Road, in the city of Fremont, O.  
The bridge will be a through bridge, consisting of three  
spans; two spans will be 89 feet each in extreme length,  
and one channel-span of 142 feet extreme length. Two  
proposals for the same bridge will be received; first, for a  
bridge of two roadways, each roadway to be 18 feet in width  
in the clear, with two sidewalks of 8 feet each in the clear.  
Second, for two roadways of 16 feet in the clear, with two  
sidewalks 7 feet in width in the clear. The bridge must be  
proportioned to carry in addition to its own weight 90  
pounds per square foot of moving load over the entire span.  
The wrought iron used shall be that of the best quality  
suited to the purpose. Full particulars relating to the  
limits of strains, etc., and all other information may be  
obtained of the undersigned. There will also be required a  
strain sheet giving weight of bridge with maximum  
strains under the specified load. Bids to be made per lineal  
foot for extreme length of superstructure. Proposals will  
be directed to PETER THATCHER, care Auditor of Sandusky  
County, Fremont, O. All letters of inquiry will be  
directed to W. L. WILLIAMS, Engineer of Public Works,  
Canton, O.  
PETER THATCHER, Acting Commissioner Board of  
Public Works.

**LANSING, MICH.**  
**HEATING.**—The Michigan State Board of  
Agriculture propose to heat a dormitory hall for stu-  
dents (now erecting at the Agricultural College near Lan-  
sing) by steam; and to make some changes in the heating  
arrangements of a hall now in use; and perhaps to combine  
the works that heat both halls. Sealed proposals for this  
work will be received by R. G. BAIRD, Secretary of the  
State Board of Agriculture, till 6 o'clock P.M. of June 5, 1877.  
E. G. BAIRD.

**IRON WORK.**  
**OFFICE OF LIGHTHOUSE ENGINEER,  
THIRD DISTRICT, TOMPKINSVILLE, N.Y.,  
May 7, 1877.**  
Proposals for the metal work for the Stratford Shoal  
Lighthouse, Long Island Sound, N.Y.

Sealed proposals will be received at this office until noon  
of the thirty-first day of May, 1877, from iron manufactur-  
ers only, for furnishing materials and labor of all kinds  
necessary for the completion of the metal work for Strat-  
ford Shoals Lighthouse, in accordance with the plans and  
specifications, which, with all other information will be  
furnished upon application to the undersigned.  
The bids will state the sum for which the entire metal  
work will be completed, fully erected at the workshops,  
taken down after acceptance, and delivered upon the deck  
of the vessel to be provided by the Lighthouse Board, at the  
city of New York or at the city of Brooklyn. The bid  
will also state the date upon which the work will be com-  
pleted and delivered upon the vessel of the United States.

Proposals will be in duplicate, and upon forms which will  
be furnished by the undersigned upon application.  
The right to reject any or all bids, or to waive defects, if it  
is deemed for the interests of the government, is reserved.  
A copy of this advertisement should accompany each  
bid.

J. C. WOODRUFF, Colonel of Engineers, U.S.A.,  
Engineer Third Lighthouse District,  
P.O. Box No. 432, New York City.

**FREMONT, O.**  
**BRIDGE**—Sealed proposals will be received  
until 1 P.M., June 5, 1877, for the furnishing of all labor  
and material for the construction and erection of a wrought-  
iron bridge over the Sandusky river, on the Western Reserve  
and Maumee Road, in the city of Fremont, O. The bridge  
will be a through bridge, consisting of three spans; two spans  
will be eighty-nine feet each in extreme length, and one  
channel span of one hundred and forty-two and one-half  
feet extreme length. Two proposals for the same bridge  
will be received. 1st, For a bridge of two roadways, each  
roadway to be eighteen feet in width in the clear, with two  
sidewalks of eight feet each in the clear. 2d, For two road-  
ways of sixteen feet in the clear, with two sidewalks  
seven feet in width in the clear. The bridge must be pro-  
portioned to carry, in addition to its own weight, ninety  
pounds per square foot of moving load over the entire span.  
The wrought iron used shall be that of the best quality  
suited to the purpose. Full particulars relating to the  
limits of strains, &c., and all other information may be  
obtained of the undersigned. There will also be required a  
strain sheet, giving weight of bridge, with maximum strains  
under the specified load. Bids to be made per lineal foot  
for extreme length of superstructure. Proposals will be  
directed to Peter Thatcher, care Auditor of Sandusky  
County, Fremont, O. All letters of inquiry will be directed  
to W. L. Williams, Engineer of Public Works, Canton, O.  
PETER THATCHER, Acting Commissioner Board of  
Public Works.

**LANCASTER, O.**  
**REFORM SCHOOL.**  
Sealed proposals will be received at the State Reform  
School, near Lancaster, O., till 12 o'clock, noon, May 31,  
1877, for furnishing the materials and performing the labor  
necessary for the erection of a Family Building for one hun-  
dred boys; said building to be three stories high above the  
basement; the basement to be of block-stone, the upper  
stories to be of brick.

Plans and specifications can be seen at the office of the  
Acting Commissioner at the Farm. The contract will be  
let to the lowest responsible bidder, who will be required to  
give a bond with good and sufficient security for the faithful  
performance of the work.  
G. E. HOWE, B. W. CHIDLAW, J. M. PUGH, Com-  
missioners.

**HANOVER, N.H.**  
**SCHOOL-HOUSE.**—Proposals are invited  
for the immediate erection in this town of a two-story  
brick school house, with mansard roof and basement. Cop-  
ies of specifications with full information will be fur-  
nished bidders on application to  
JOSEPH B. MOISE, Prudential Committee,  
Hanover, N.H., May 5, 1877.

**PONTIAC, MICH.**  
**HEATING AND PLUMBING.**  
Sealed proposals will be received by the Board of Liquid-  
ating Commissioners, Pontiac, Mich., until 2.30 P.M., of Tues-  
day, May 29, 1877, at which time said proposals will be  
opened, for all labor and materials required for the heating  
and plumbing of the Eastern Asylum for the Insane, at Pon-  
tiac, Mich., including boilers, tanks, pumps, cold and hot  
water, and steam distribution, hot water, lavatory, and  
closet fixtures, etc., in accordance with plans and specifica-  
tions adopted by said Board. Said plans can be examined  
at the office of the Superintendent at Pontiac, on and after  
May 8, 1877. For further information relative to plans or  
conditions, address C. M. WELLS, Superintendent of Con-  
struction.

BUILDING MATERIALS. THE NEW YORK MARKET. WHOLESALE PRICES.

Table listing building materials like BRICK, CEMENT, and FIRE BRICK with prices per unit.

Table listing DOORS AND BLINDS with prices for various sizes and materials.

Table listing DOORS, MOULDED, with prices for different door styles and sizes.

Table listing OUTSIDE BLINDS with prices for various window treatments.

Table listing INSIDE BLINDS with prices for interior window coverings.

Table listing WINDOW FRAMES with prices for different window types.

Table listing HAIR - Duty free with prices for various types of hair.

Table listing LIME with prices for different grades of lime.

Table listing LATH - Cargo rate with prices for lath materials.

Table listing LUMBER with prices for various types of wood.

Table listing PAINTS AND OILS with prices for different paint and oil products.

Table listing SLATE, SOLDERS, TIN PLATES, and LEAD with prices per unit.

BOSTON. PRICES TO CONTRACTORS AND BUILDERS.

Table listing FIRE BRICK with prices for various types of bricks.

Table listing BUILDING BRICKS with prices for different brick grades.

Table listing LUMBER with prices for various types of wood.

Table listing PAINTS AND OILS with prices for different paint and oil products.

Table listing CEMENT with prices for different grades of cement.

Table listing BUILDERS' HARDWARE with prices for various hardware items.

Table listing AZLE PULLEYS - Steel with prices for pulley systems.

Table listing SASH WEIGHTS with prices for different sash weights.

Table listing DOOR BUTTS with prices for different door butt types.

Table listing DOOR KNOBS, SASH FASTS, and SCREENS with prices for various door and window hardware.

CHICAGO. PRICES TO CONTRACTORS AND BUILDERS.

Table listing BRICK, LIME, AND CEMENT with prices for various materials.

Table listing LUMBER with prices for various types of wood.

Table listing METALS AND TINNERS' STOCK with prices for various metal products.

Table listing PAINTS AND OILS with prices for different paint and oil products.

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 Designs in Color for Ecclesiastical Devices and Mural Painting furnished, with estimates, on application.  
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 For Insane Hospitals, Fire Proof Buildings, &c.



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 Newark, N.J.

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It can be introduced at the cost of the ordinary wash-bowl. This guaranty accompanies every basin sold to our patrons:—

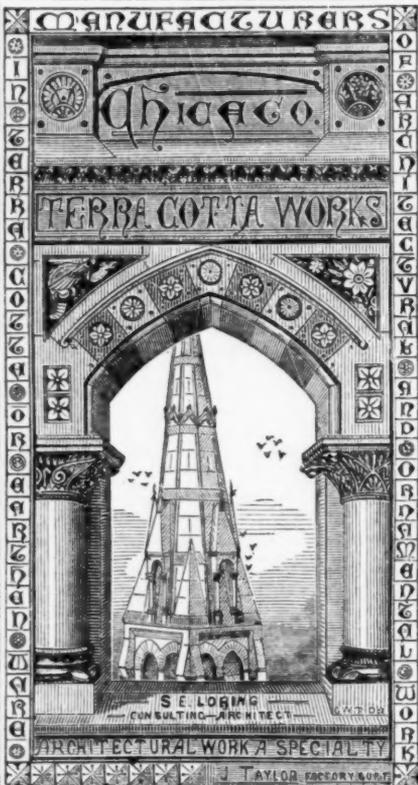
We hereby pledge ourselves to remove our basins, and replace them with any other kind now in use, that parties interested may select, without expense to them, immediately on their failure to fulfil the following conditions, provided the trap is kept in running order:—

- 1st. We warrant our trap to remain free and open as long or longer than any other trap used with wash-bowls, and they are easily cleaned in case of stoppage.
- 2d. No overflow or leakage of any kind will occur.
- 3d. No sewer gas will escape from the drain or pipe, or any offensive smell arise from them.
- 4th. These bowls will remain free and clear from any accumulation of soap or grease or other offensive matter in the space between the inner and outer bowls.

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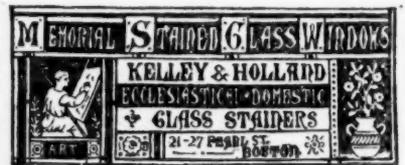


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 LAND TILE,  
 ENGLISH ROMAN, AND PORTLAND CEMENT.  
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**ELEVATORS.**

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**JAMES R. OSGOOD & CO., Boston.**

**ANOTHER DISASTER.**—A large three-story brick block at Cedar Rapids, Io., belonging to Mulaly and Preston, fell at one o'clock Monday, 21st inst., and injured some seventeen of the persons who were at work upon it. One man was taken from the ruins dead, and four or five men have injuries from which it is believed they cannot survive. The accident was undoubtedly caused by insufficient support of a part of the building where the weight of unknown tons rested upon wooden columns which were to be replaced by iron ones when the structure was complete. A gale was blowing at the time of the accident, and the building, which had been raised to the top of the second story, fell with a deafening crash, without a moment's warning. The structure consisted of five stores, three of which alone fell, leaving the adjoining two intact. It was fortunate that all the men had not returned from dinner.

**THE EXHIBITION OF 1878.**—The works upon the Trocadéro will be entirely finished by the end of October. About 80,000 cubic metres of garden loam have been carried to the Champ de Mars and the Trocadéro for the parks and gardens, which are to remain open during the evening. The water service, which requires a special pumping-engine and 6.2 miles of pipe, is even now ready.

**MICA.**—A slab of mica thirty inches long by nineteen wide has been taken out of the mines at Palio, New Mexico.

**THE DOORS OF NOTRE DAME.**—The wrought iron hinges and panels which were taken from one of the western doors of Notre Dame nearly two years ago are going to be replaced upon the new folds of the door. The restoration is to be made by M. Boulanger, who was the maker of the wrought iron work upon the central door.

**A NEW CHURCH.**—The commodious audience-room of the First Reformed Episcopal Church, at Madison avenue and Fifty-fifth Street, New York, was opened on the 20th inst. for public worship.

**THE MOSQUE OF THE SULTAN HASSAN.**—The societies for the preservation of ancient monuments had better turn their attention to the mosque of the Sultan Hassan at Cairo, a contemporary of Salisbury Cathedral, which is rapidly falling into decay. Its exquisite fretwork of precious inlays is dropping from the walls, great patches have been stripped off from the ceiling of the central kiosk, the Syrian lamps formerly so much praised in the guide-books are all gone, and the vane upon the graceful minaret is ready to fall.

**A TWENTY THOUSAND DOLLAR WALL.**—Some time since, the city built a protecting wall on Fore Street, Portland, Me., at a cost of ten thousand dollars, which was built according to the plans of the city engineer. It has recently shown signs of falling, and a committee have reported that it must be rebuilt at about the same cost.

**BUILDING INTELLIGENCE.**

[Reported for the American Architect and Building News.]

**FIRE RECORD.**

Showing how buildings recently burned are to be replaced.

**BENNINGTON, VT.**—The house of J. N. Squires which was burned on April 30 is not to be rebuilt.

**COXSACKIE, N.Y.**—Of the buildings destroyed on the 17th ult., two shops and one barn will not be rebuilt. Wing's drug store and the adjoining dry-goods store have been repaired. Charles Thacher is now rebuilding a barn 20' x 38'.

**NEW YORK.**—Men have been at work for some time past removing the debris from the ruins of the fire in Bond Street, near Broadway, so that it is now prepared for building purposes. A set of plans has been prepared by Stephen D. Hatch, architect, for a building similar to the one which was burned. The plans have been accepted, but work will not be begun until the insurance companies and the owners of the property hold a conference to decide whether the insurance companies shall erect it, or simply furnish the money to the owners. The cost of the new structure will be between \$150,000 and \$160,000.

**OGDENSBURG, N.Y.**—Wm. E. Furniss has commenced the erection of a four-run flouring mill in Ogdensburg, N.Y., to replace a smaller one burned on the night of the 28th of last April. It will be 48 by 80 feet, four stories high exclusive of the attic and basement. The wall will be of blue limestone relieved with Ohio freestone; roof slated. G. A. Schellenger is the architect, James McGuire the mason, George Ryan the carpenter, Robert Carnithan the millwright. All modern improvements will be introduced to make it first class in every respect.

**POMEROY, O.**—The establishments of Jones, Thomas, and Geneymer, and of J. C. Probst are to be replaced by brick buildings; one a two-story building 65' x 25', the other a three-story building 75' x 25'.

**SUMMARY OF THE WEEK.**

Reports from the Principal Cities of the Country.

**Boston.**

**BRICK BUILDINGS.**—Permits for 15 brick buildings have been issued, of which 11 are for dwelling-houses, 3 are for mercantile purposes, and one is for a family hotel; this is to be a five-story building 71' x 44', and is to be built by O. Wentworth, builder. C. A. Meserve is to be the builder of a block of 6 three-story dwelling houses on Locust Street, also of a block of 4 three-story dwellings on Von Hillern. A four-story building 60' x 55' is to be put up on Dudley Street, corner of Dana Place, to be used for a family hotel with stores on the ground floor; it is to be built from the designs of G. A. Avery, architect. S. M. Chesley is to be the builder of a four-story building 30' x 80', to be used for mercantile purposes.

**FRAME BUILDINGS.**—Permits for only 7 buildings have been issued for the week ending May 22; of these 5 were for dwelling-houses of small size.

**REPAIRS.**—Permits for repairs upon 60 buildings have been issued, of which 39 are of wood, 1 of stone, and the rest of brick; 28 are dwelling-houses, 8 are stables, 12 are buildings used for mercantile purposes, 1 is a church, 1 a theatre, and 4 are used for manufacturing purposes.

**CORNER-STONE.**—The corner-stone of the

Church Street Methodist Episcopal society, corner of Columbus Avenue and Berkeley Street, will be laid May 28.

**ROMAN CATHOLIC CHURCH.**—St. Mary's church, Boston, is second only to the Cathedral. When finished, the ceiling of the church will be ornamented with three plates of spelter, on which will be painted the Immaculate Conception, the Annunciation, and the Assumption. Its cost will be \$160,000, and the expectation is that it will be completed during the summer. The basement is already finished. The building is 200 feet long and 84 wide, and it will have towers 160 feet high, and a seating capacity for 2,400 persons.

**THE POST OFFICE.**—Work within the enclosure of the Post Office extension has already begun.

**PUBLIC BUILDINGS.**—The city architect is preparing plans for municipal structures aggregating \$1,000,000 in value.

**BUILDERS' HARDWARE.**—The tendency of prices is still downward, although nearly all hardware goods are lower than before the war. The demand is a little more active, but is still very unsatisfactory.

**Hartford, Conn.**

**THE OUTLOOK.**—There will not be much building here this year, though labor and materials are low. Past building has been done in the prospect of prosperity that has not come, and there is now more room than is occupied; large business blocks lately built are partly unoccupied, and the rents of the rest are not remunerative. Manufacturing, too, is leaving the city; the wholesale business is checked, for traders can buy cheaper in Boston or New York; wholesale houses are decreasing; and insurance alone, which does not add to the population, is on the increase.

**NEW SEMINARY.**—The officers of the Hartford Theological Seminary will soon erect a new seminary building on the corner of Broad Street and Farmington Avenue.

**Kansas City, Kan.**

**UNION DEPOT.**—The plans and specifications of the new Union depot building to be erected on the site now occupied by the old are almost complete, and part of them have been adopted by the several companies. The entire length of the main building will be 383 feet, with a width of 50 feet. The front elevation will be built in the Venetian style of architecture. At the east and west ends the building will be carried two stories high, and surmounted by a mansard roof. The main building at the west end will be 104 feet in length and at the east end 58 feet. In the centre, and over the main entrance, a tower will rise to the height of 100 feet. The two wings will be connected with this tower by a one-story front. The walls of the lower story will be 18 feet in length, those of the upper 16 feet. The walls will be built of pressed brick, with cornices of stone, and caps, pediments, and cornices will be constructed of galvanized iron. The main iron roof will aggregate 275 feet in length, the passenger roofs 1,500 feet. On the south end of the building, between it and the first track, will be an awning roof 20 feet in width, and on the opposite, or street side, a similar roof 12 feet in width. These two roofs will extend along the entire fronts, an aggregate length of 766 feet. The total breadth of track, sheds, and building will be 207 feet. These plans and specifications were gotten up under the supervision of Engineer O. B. Gunn, and were adopted by the superintendents of the several roads. The details of the plans were worked by Mr. Wm. E. Taylor, at the office of A. B. Cross. The total cost of the building, ground, and tracks is estimated at \$200,000. The new depot will be ready for occupancy, it is expected, by fall.

**RESIDENCE.**—President Carr of the Kansas Pacific Railroad finds the lowest bidder for the construction of his residence, to be erected in St. Louis, is Mr. Ross of Westport. A. B. Cross of this city drew the plans. Mr. Ross goes to St. Louis this week to begin the work.

**New York.**

**BUILDINGS PROJECTED FOR WEEK ENDING MAY 23.**—Twenty-seven in number,—consisting of stores, flats, dwellings, &c. Total value, \$245,000.

Owners.	Architects.	Builders.
H. J. Burchill.....	R. W. Burkle.....	J. A. Frame.....
C. Hart.....	George B. Peckham.....	R. C. Claffy.....
J. C. & A. C. Hoe.....	A. C. Hoe.....	A. N. Andrews.....
James Dugan.....	John Kirby.....	P. R. Dunham.....
James Killeen.....	Anthony Imhoff.....	.....
H. W. Hoop.....	Anthony Imhoff.....	H. Gumbel.....
A. Ewald.....	Anthony Imhoff.....	H. Gumbel.....
Woodruff, Conklin, & Brier.....	Julius Bockell.....	.....
H. M. Laughlin.....	J. M. Lauglin.....	R. C. Kenzie.....
Estate of C. Stevens.....	John McIntyre.....	W. C. Hanna.....
Patrick Gurnly.....	John J. Kealy.....	Hiram Vail.....
George W. Cotrell.....	.....	.....
Charles W. Deberry.....	.....	.....
Oppenheimer & Hyman.....	.....	.....
H. Henken.....	John M. Forster.....	.....
M. Bulow.....	H. Engelbert.....	.....
M. Herb.....	.....	Thomas Shannon.....
S. Riddle.....	J. F. Duckworth.....	.....
C. L. Wolfe.....	J. B. Snook.....	.....
Edward Kilpatrick.....	D. & J. Jardine.....	Edward Kilpatrick.....
John G. Bull.....	.....	George Maud.....
Patrick Scanlon.....	.....	.....

**NEW GAS WORKS.**—The Mutual Gas Light Company are expected to begin shortly the erection of new works on Gowanus Canal, between Degraw and Sackett Streets. The site is 125 by 570 feet, and the buildings will cost \$900,000. The gasometers will have a capacity of 1,000,000 cubic feet. The gas will be manufactured of three-fifths coal-gas and two-fifths naphtha. It is claimed that the gas manufactured will be much cheaper than that now consumed.

**Philadelphia.**

**REVIEW OF THE PAST MONTH.**—The whole number of permits issued by the Building Inspectors for the improvement and erection of new buildings during the month of April, 1877, was 873, as follows:—

Dwelling houses, two-story, 226; dwelling houses, three-story, 277; dwelling houses, four-story, 3; dwelling houses, one-story, 8; stores and dwellings, two-story, 8; stores and dwellings, three-story, 21; stores and dwellings, four-story, 1; back buildings, 49; alterations and additions, 135; brewery, 1; sheds, 6; slaughter-houses, 6; chapel, 1; stables, 25; factories, 6; boiler house, 1; shops, 5; car house, 1; malt house, 1; mill, 1; storehouses, 3; library buildings, 2; bank building, 1; grain elevator, 1; halls, 2.

**Providence.**

**REVIEW OF THE YEAR.**—The number of notices of intention to build, filed with the Board of Aldermen from Jan. 1 to May 1, is 99, against 122 filed during the same period last year. There were reported on the 10th of May, 1,856 vacant tenements and 314 vacant stores.

**HIGH SCHOOL BUILDING.**—The Common Council on Monday evening voted to expend \$55,000 for ventilating and heating the new high school building and for grading the grounds.

**EMPTY HOUSES.**—It is estimated that there are 1,800 empty tenement houses here.

**St. Louis.**

Twenty-three permits have been issued from May 14 to May 19, inclusive. Twenty-two of these are for brick buildings with brick or stone fronts. Those worth \$2,500 and over are for the following owners: John Vogel, two-story dwelling, value \$3,100; C. Nixdorf, shop, value

\$2,500; J. B. Thompson, two-story dwelling, value \$3,500; F. Rayburn, E. Hilsley contractor, store, value \$3,000; Mo. Medical College, A. Cameron contractor, alterations, value \$6,000; C. H. Frank, two-story dwelling, value \$8,000. Some 25 or more plans were received in the competition for the Mercantile Library Hall Fire Escape, on the 10th inst. No decision has yet been announced.

General Notes.

ARCADIA, WIS.—The commissioners of Trempeleau have accepted the design submitted by C. G. Maybury of Winona, Minn., for a new court-house and jail. It will be a brick structure, costing about \$25,000.

AYER JUNCTION, MASS.—The Town Hall, a present from Dr. J. C. Ayer of Lowell, has been pronounced unsafe, and the authorities have forbidden its use.

BROOKLYN, N.Y.—The Board of City Works are about to advertise for proposals for the construction of a new dock at the foot of South Fifth Street, Williamsburg, its dimensions to be 300 by 45 feet. The total cost will be about \$17,000.

COVINGTON, KY.—The corner-stone of the new First Colored Baptist Church on Thirteenth Street, between Spring and Russell Streets, was laid with appropriate ceremonies recently.

FARIBAULT, MINN.—The contract for the erection of the main building of the Deaf, Dumb, and Blind Asylum is awarded to J. Babcock & Co., at \$53,430, exclusive of plumbing and heating. It is to be built of blue limestone, size 85' x 101', four stories high above the basement. M. Shiere of St. Paul, architect.

HARVARD, MASS.—The late Mrs. Margaret Blanchard left a bequest of \$80,000 with which to found an academy in this town, to be called the Bromfield Academy, after her grandfather. It is proposed to expend \$20,000 in building and furnishing, and apply the income of the remainder for its maintenance.

HYDE PARK, MASS.—A church is to be built immediately at the corner of Collins Street and Huntington Avenue, by the Clarendon Hills Evangelical Society, on land given by the Real Estate and Building Company. It is to be thirty-five by sixty-five feet, and of wood.

LYNN, MASS.—The building for the proposed "Sister School," to be erected by St. Mary's Catholic Church, will probably be commenced next spring. The design is to erect the school-house and a parsonage adjoining the church, or on an estate which the church has purchased and partially paid for.

SAN FRANCISCO.—The new "Metropolitan Temple" is progressing finely. This building is designed for the use of the Baptist Church. One member gave \$100,000 toward its construction. It will cost over \$200,000.

THOMASTON, ME.—Work has been begun on the enlargement of the State prison, and it will be pushed forward rapidly to completion. The west wing of the prison will be extended sixty feet, which will afford room for sixty-two additional cells, a schoolroom and hospital. The walls will be constructed of granite lined with brick, and cells of granite with brick partitions. The estimated cost of the extension is \$20,000, an average of about \$300 per cell.

VALLEJO, CAL.—A brick church has lately been built, where Rev. Father Daniel, O.P., and Father McGovern are pastors. Not far distant is a large convent, a new building also, which, with the church and pastoral residence, occupies a whole square. The situation is on a hill overlooking the town and bay.

WESTFIELD, N.J.—The new Presbyterian church, the corner stone of which was laid in 1873, was dedicated recently. The cost of the building was \$23,500.

WINONA, MINN.—J. L. Norton, Esq., is preparing to build a commodious residence at a cost of about \$18,000. The walls will be of red brick relieved with white limestone. C. G. Maybury is the architect.

XENIA, O.—The Episcopalians are hoping to be able to erect a neat, comfortable church building here soon.

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Will confer a great favor on the publishers, by sending to the American Architect such items of building-news as may come to their knowledge. It is our desire to make the department of building-intelligence valuable to our patrons; and in order to do this we must have early and reliable news from all sections of the country. By giving this matter attention, the friends of the paper can be of great assistance in forwarding for publication news which our regular correspondents cannot easily secure.

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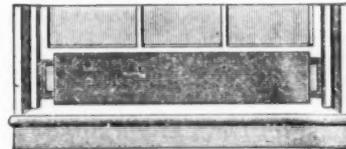
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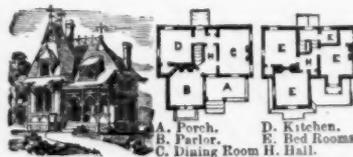
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desired, to explain our methods, and to present for inspec-  
tion construction plans and estimates for any specific work.

**PROPOSALS.**

**CUT GRANITE.**  
OFFICE STATE, WAR, AND NAVY DEPART-  
MENT BUILDING,  
WASHINGTON, D.C., May 21, 1877.  
Proposals for furnishing the Cut Granite required in the  
construction of two stairways in the East Wing of the  
State, War, and Navy Department Building, will be re-  
ceived until noon of June 20, 1877, and opened immediately  
thereafter. Blank forms, specifications, and any desired  
information, can be had on application at this office.  
THOMAS L. CASEY,  
Lieut.-Col. Corps of Engineers.

**HIGH SCHOOL.**

Sealed proposals will be received by the subscribers until  
Thursday, June 14, at 6 o'clock P.M., for furnishing the  
materials and performing the labor for a new High School  
Building at Weston, Mass.

Drawings and specifications may be consulted at the  
office of the architect, Carl Fehmer, No. 87 Milk Street,  
Boston, and at the house of Henry J. White, near Weston  
Centre.

The Committee will require guarantees for the performance  
of contract, and they reserve the right to reject any  
proposal they may receive.  
GEORGE W. DUNN, GEORGE B. MILTON, WIL-  
LIAM N. GOWELL, EDWARD COBURN, HENRY J.  
WHITE, Building Committee.

**PROPOSALS.**

**GAS PIPING.** CITY OF PROVIDENCE, R.I.  
Sealed proposals will be received by the City Hall Com-  
missioners for the Gas Piping of the new City Hall Building,  
at their office, No. 5 What Cheer Building, Providence, R.I.,  
until 12 M., June 11, 1877.

All information regarding the same can be had on applica-  
tion to the commissioners, as above, or to the architect, S.  
J. F. Thayer, No. 40 Water Street, Boston.

Each bid must be accompanied by a bond in the sum of  
\$500, that a contract will be signed within ten days of the  
reception of bids.

The party to whom the contract may be awarded will be  
required to execute a satisfactory bond in the sum of \$1,000  
for the faithful execution of the terms of the contract.

The commissioners do not bind themselves to accept the  
lowest or any bid.  
WILLIAM G. R. MOWRY, HENRY G. RUSSELL, WIL-  
LIAM M. BAILEY, City Hall Commissioners.

**PLUMBING WORK.** CITY OF PROVIDENCE, R.I.

Sealed proposals will be received by the City Hall Com-  
missioners for the Plumbing Work of the new City Hall  
Building at their office, No. 5 What Cheer Building, Providence,  
R.I., until 12 o'clock, M., June 11, 1877.

All information regarding the same can be had on applica-  
tion to the commissioners as above, or to the architect,  
S. J. F. Thayer, No. 40 Water Street, Boston.

Each bid must be accompanied by a bond in the sum of  
\$1,000, that a contract will be signed within ten days of the  
reception of bids.

The party to whom the contract may be awarded will be  
required to execute a satisfactory bond in the sum of \$3,500  
for the faithful execution of the terms of the contract.

The Commissioners do not bind themselves to accept the  
lowest or any bid.  
WM. G. R. MOWRY, HENRY G. RUSSELL, WILLIAM  
M. BAILEY, City Hall Commissioners.

**BRIDGE** — Sealed proposals will be received

until 1 P.M., June 5, 1877, for the furnishing of all labor  
and material for the construction and erection of a wrought-  
iron bridge over the Sandusky River, on the Western  
Reserve and Maumee Road, in the city of Fremont, O.  
The bridge will be a through bridge, consisting of three  
spans; two spans will be 89 feet each in extreme length,  
and one channel-span of 14 1/2 feet extreme length. Two  
proposals for the same bridge will be received; first, for a  
bridge of two roadways, each roadway to be 18 feet in width  
in the clear, with two sidewalks of 8 feet each in the clear.  
Second, for two roadways of 16 feet in the clear, with two  
sidewalks 7 feet in width in the clear. The bridge must be  
proportioned to carry in addition to its own weight 90  
pounds per square foot of moving load over the entire span.

The wrought iron used shall be that of the best quality  
suited to the purpose. Full particulars relating to the  
limits of strains, etc., and all other information may be  
obtained of the undersigned. There will also be required a  
strain sheet giving weight of bridge, with maximum  
strains under the specified load. Bids to be made per lineal  
foot for extreme length of superstructure. Proposals will  
be directed to PETER THATCHER, care Auditor of Sandusky  
County, Fremont, O. All letters of inquiry will be  
directed to W. L. WILLIAMS, Engineer of Public Works,  
Canton, O.

PETER THATCHER, Acting Commissioner Board of  
Public Works.

**HEATING.** — The Michigan State Board of

Agriculture propose to heat a dormitory hall for stu-  
dents now erecting at the Agricultural College near Lan-  
sing by steam; and to make some changes in the heating  
arrangements of a hall now in use; and perhaps to combine  
the works that heat both halls. Sealed proposals for this  
work will be received by R. G. BAIRD, Secretary of the  
State Board of Agriculture, till 6 o'clock P.M. of June 5, 1877.  
R. G. BAIRD.

**OFFICE OF THE SUPERVISING ARCHITECT,  
TREASURY DEPARTMENT,  
WASHINGTON, D.C., May 22, 1877.**

**PROPOSALS for wrought and cast iron**

work for the United States Court House and Post  
Office at Philadelphia, Penn.

Sealed proposals will be received at this office until 12 M.,  
on the 6th day of June, 1877, for furnishing, delivering, fit-  
ting, and putting in place the wrought and cast iron work,  
comprising cast-iron columns, pilasters, &c., in first story,  
and rolled iron beams, &c., in second-story floor, all as ex-  
hibited on the drawings, described in the specification, and  
called for in the schedule.

Copies of the drawings, specification, schedule, form of  
proposal, and any additional information may be had on ap-  
plication at this office, or the office of the Superintendent  
of the building.

JAMES G. HILL, Supervising Architect.

**WORK AND MATERIALS.** — Sealed proposals

for the flowing work and materials will be received by the Board of New City Hall Commissioners of  
the city and county of San Francisco, in the room of the  
Board of Supervisors, between the hours of 12 o'clock  
noon, and 1 o'clock P.M., on Wednesday, June 5, 1877,  
for providing and fixing Boilers, Heating and Ventilating  
Apparatus, and an Elevator for the New City Hall, as  
follows: First, four drop return tubular fire-box boilers, to  
be completed in twelve weeks; second, Heating and Ven-  
tilating Apparatus, for the Hall of Records and the east  
wing, to be completed in twenty weeks; third, one passen-  
ger Elevator, with air chamber, steam pump, air pump,  
etc., complete, to be completed in twenty weeks. Bids will  
be received for the whole of the above work under one con-  
tract, or for any one or two subdivisions of the same; the  
above works to be performed and the materials supplied in  
accordance with drawings and specifications and conditions  
of contract, to be seen at the office of the Secretary, corner  
of Leav. worth and McAllister streets, where forms of pro-  
posals and bonds will be furnished to intending bidders. No  
bids will be entertained unless made on blanks furnished  
by A. J. BRYANT, GEORGE F. MAYNARD, W. C. BUR-  
NETT, Board of New City Hall Commissioners for the city  
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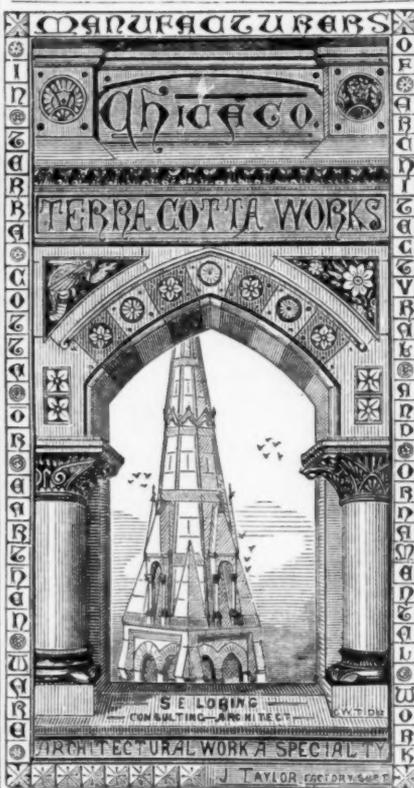


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**THE TAY BRIDGE.** — The report by the engineer of the Tay Bridge undertaking states that the whole of the eighty-five piers are placed in position. Seventy of these are completed, having the permanent girders placed thereon, with cross girders and timber platform laid for about 2,375 feet, and 3,074 feet of hand-railing erected. Of the remainder, five piers are completed to the full height of the string-course, and the girders of the spans laid thereon. Two large caissons are sunk to the requisite depth; one is one-third filled with concrete, the other is made ready to be filled. One of the twenty-one feet caissons is thoroughly filled with piles, and ready to receive the concrete foundation; and the last of the twenty-one feet caissons is placed in position in the bed of the river. Neither on the night of the accident during the gale, nor at any other time when even severer gales prevailed than on that night, has the slightest damage accrued to any part of the bridge placed in a permanent position.

**TIN.** — It is stated that Europe and America consume about 34,000 tons of tin annually, which is about double the amount that was consumed fifteen years ago.

**FACTORY ACCIDENTS.** — During the year ending October, 1876, 260 persons lost their lives by factory accidents in Great Britain. The number who have been killed during the last five years by factory accidents is 1,647, of whom 1,528 were males, and 109 females.

**VIOLATION OF THE BUILDING LAW PUNISHED.** — Superintendent Adams of the New York Building Department has directed the Department attorney to prosecute the persons responsible for the violation of the law in the erection of the building Nos. 10-16 Crosby Street, referred to by our New York correspondent. The Department has also interfered with the work on the new buildings in course of erection on Third Avenue, near One Hundred and Twenty-sixth Street, owing to non-compliance with the law.

**THE PRACTICAL MAN.** — "An example of this reckless indifference to the teachings of experience came to our notice not long ago. An iron bridge fell under peculiarly distressing circumstances, and the disaster was attended with considerable loss of life. An engineer who had examined the ruin, measured some of the more important members, and calculated their strength, remarked in conversation with the bewildered contractor that the bridge ought to have failed. 'How do you know?' asked the builder. 'Because,' replied the engineer, 'it wasn't strong enough,' and he handed the builder the paper on which he had calculated the strength of the members in its relation to the strains upon them. The builder looked at it in a puzzled sort of way, and remarked that he would be much obliged if our friend would step into his office and show his bookkeeper how to make that calculation. He didn't believe his bookkeeper knew how, and it might come handy some time to be able to do it." — *Iron Age.*

**BUILDING INTELLIGENCE.**

[Reported for the American Architect and Building News.]

**FIRE RECORD.**

Showing how buildings recently burned are to be replaced.

**FURNACEVILLE, N.Y.** — The buildings of the Ontario Iron Company, destroyed by fire April 20, are to be replaced by an engine-house 33 x 57' and by a boiler-house 33' x 71'. They are to be frame buildings covered with cedar shingles. Mr. R. H. F. Millington is the architect. Mr. Wheat is the builder.

**ST. LOUIS, Mo.** — Some three months ago the fine large five-story iron-front store of Gerard B. Allen on Washington Avenue and Seventh Street was completely destroyed by fire. The building is now being re-erected substantially as before, but with Warrenburg gray sandstone instead of iron in all stories but the first. This stone is doubtless quite as fire-proof as the iron, and considerably cheaper.

**SUMMARY OF THE WEEK.**

Reports from the Principal Cities of the Country.

**Boston.**

**FRAME BUILDINGS.** — Only 12 permits were issued for frame buildings during the week ending May 30; 5 of these were for dwelling houses, 1 for a bonded warehouse, and the others for miscellaneous structures, all of them small and unimportant. Only 2 of the buildings were of more than one story in height. Their builders are to be F. H. Williams, T. Sullivan, F. Lee, F. A. Noyes, W. Patterson, M. Coy, J. G. Goldthwaite, J. H. Burt & Co., B. Randall, G. B. Hainor, J. P. Cooper.

**A NEW BAPTIST CHURCH.** — The edifice which has been occupied by the Shawmut Avenue Baptist Church is inadequate for the accommodation of the newly-consolidated societies, and arrangements will soon be made for the erection of a new edifice.

**Chicago.**

**DURING** the three weeks ending May 26, 337 permits were issued from the office of the Superintendent of Buildings, for new buildings, alterations, and moving. Of this large number the following comprised new buildings of two stories and over, all of brick:—

The estate of George W. Erving, deceased; five four-story and basement stone-front stores and dwellings, each 20½ x 75 feet, corner of Clark and Chestnut Streets. Estimated cost, \$40,000. Architects, J. M. Van Osdel & Co.

William Vale, two-story and basement barn, 58 x 75 feet, on Oak Street, near Clark.

George H. Brooks, three-story and basement stone-front dwelling, 439 West Washington Street. Estimated cost, \$14,000. D. W. Kendall architect.

Garden Brothers, two-story and basement dwelling, 21 x 36, 83 Delevan Street.

C. H. Thompson, two two-story basement and attic dwellings, each 28 x 42 feet, Clark Street and Webster Avenue.

J. H. Walker, four-story and basement wholesale store, 40 x 156 feet, at 179 and 181 Lake Street. Estimated cost, \$22,500. Architect, E. Chaplin.

George A. Seaverns, three-story and basement store, 20 x 90 feet, 106 Randolph Street, to cost \$5,500. W. Carroll, architect.

John Jochem, two-story and basement dwell-

ing, 22 x 58 feet, Butterfield Street, near Eighteenth Street.

Catharine Chaplin, two three-story and basement stone-front dwellings, each 16½ x 30 feet, 351 and 353 Superior Street.

Henry Webber, four-story and basement wagon factory, 42 x 90 feet, Union and Lydia Streets.

John Karfer, two-story and basement store and dwelling, 21 x 50 feet, Paulina Street, near Milwaukee Avenue.

J. E. Oarsley, three-story factory, 44 x 85 feet, 790 and 792 West Madison.

Hugh Templeton, two two-story basement and attic stone-front dwellings, each 22½ x 60 feet, 545 and 547 West Van Buren Street.

Henry Krippenburg, two-story and basement store and dwelling, 22 x 50 feet, Chicago Avenue near Noble Street.

Oliver H. Lee, three-story and basement dwelling, 30 x 36, 331 Indiana Street.

J. Fiederman, two two-story and basement dwellings, each 22 x 40 feet, 185 and 188 N. La Salle Street.

Washington Hering, three-story and basement dwelling, 26 x 57 feet, Cass and Superior Streets.

J. C. Bullock, three-story and basement stone-front dwelling, 30 x 80 feet, Dearborn Avenue and Burton Place, to cost \$10,000. L. B. Dixon, architect.

J. P. Wilson, three-story and basement stone-front dwelling, 49 x 68 feet, Dearborn Avenue, near Burton Place, to cost \$13,000. F. & E. Baumann, architects.

W. S. Mellen, two two-story and basement stone front dwellings, each 23 x 56 feet, corner LaSalle and Division Streets, to cost \$9,000. Boyington & Roberts, architects.

F. Freiberg & Bro., three-story and basement dwelling, 56 x 34, Third Avenue, near Polk Street, to cost \$5,000.

Mrs. S. M. Pulsifer, two-story and basement dwelling, 25 x 42 feet, Michigan Avenue, near Thirty-third Street, cost \$5,000.

John Groschom, two-story and basement dwelling, 23 x 54 feet, 86 Oak Street.

S. E. Cole, four-story and basement store, 25 x 80 feet, 147 Monroe Street, cost \$6,500. H. S. Jaffray, architect.

M. F. Foley, four-story and basement apartment house, 50 x 80 feet, Van Buren Street, near Michigan Avenue, to cost \$16,000. C. P. Thomas, architect.

George A. Seaverns, two two-story and basement dwellings, 23½ x 60, Wabash Avenue and Twenty-eighth Street.

P. Hosmer, three-story and basement stone front store and dwelling, 16 x 60 feet, 120 North Clark Street.

C. M. Jaques, two-story and basement dwelling, 22 x 48 feet, Monroe, near Wood.

J. M. Fernald, two-story and basement dwelling, 22 x 62, Monroe, near Wood.

M. B. Stroker, three-story and basement store and dwelling, 25 x 80 feet, 86 Canalport Avenue.

J. P. Roberts, three-story and basement store and dwelling, 20 x 58, 93 East Kinzie Street.

John Zeel, two-story and basement dwelling, 21 x 36, 154 Forquabe Street.

A. Wetje, three-story and basement stone-front store and dwelling, 17 x 60 feet, 122 North Clark Street.

E. Mueller, two-story and basement store and dwelling, 20 x 60, 107 Larrabee Street.

S. Clement, two five-story and basement wholesale stores, each 36 x 100 feet, Nos. 20, 22, and 24 Wabash Avenue, to cost \$32,000. D. W. Kendall, architect.

J. E. Payson, four-story factory, 42 x 64, West Jackson and Oglesby Streets.

Mrs. A. M. Otto, two-story and basement store and dwelling, 22½ x 64 feet, 132 N. Harrison.

John Kohler, two story and basement dwelling, 22½ x 44, Le Moyne Street, near Robey.

**Cincinnati.**

Building-permits issued by the Board of Public Works from April 17 to May 22, both inclusive, have been as follows; 70 for alterations, repairs, etc., estimated cost \$53,500; 46 permits for brick houses, estimated cost \$257,800; 9 permits for frame houses, estimated cost \$18,700. Total number of permits, 125. Total estimated cost, \$329,000. We hear of several rather important buildings projected since our last report; but investigation has failed to elicit sufficient details to warrant us in any thing like a description.

**BUSINESS PREMISES.** — Messrs. Alms & Doepke intend consolidating their business in one large new store on the north-east corner of Main Street and the canal, running back to Hunt Street with an L. It will be a five-story building, with a sub-cellar, a basement of twelve feet, which will reach above the pavement on the canal side five feet; a first story of seventeen feet; second, fifteen feet; third, fourth, and fifth, fourteen feet each. The building will be thirty-eight feet on Main Street, one hundred and sixteen on the canal, and one hundred and two feet on Hunt Street. It will have both passenger and freight elevators. Hannaford & Proctor, architects.

**RESIDENCES.** — Nine elegant residences are to be built on Wesley Avenue, — four by Murray Shipley, in addition to five by Tatem. Mr. McLaughlin is making the plans for the Shipley Row. They will be three-story stone-front buildings, with commodious basements, on a lot seventy feet front by one hundred and thirty feet deep.

**Cleveland, O.**

**SECOND PRESBYTERIAN CHURCH.** — The new church edifice for this society has been contracted for, and the work will go on immediately. Mr. D. H. Robertson is the contractor for mason-work, and Mr. A. McAllister for carpenter-work. It is to cost about \$64,500. It will stand at the north-west corner of Prospect Street and Sterling Avenue, with a frontage on Prospect Street of 100 feet, and on Sterling Avenue of 104 feet, and a chapel front extending 54 feet farther to the north. The auditorium will be 84 by 100 feet on the floor, and will seat 1,200 persons; 1,000 seats on the floor and 200 in the gallery. The sittings will be arranged on the amphitheatral plan, descending about 5 feet from the vestibules to the centre. The organ will stand at the rear of the pulpit. The chapel 54 by 96 feet will contain the lecture room, Sunday-school rooms, etc. The exterior will be faced with Anherst stone trimmed with darker colored stone. The main tower will be 140 feet in height, the gables 66 feet. Mr. Jos. Ireland is the architect.

MR. JOS. IRELAND is building also a fine residence upon Euclid Avenue, for D. P. Eells, Esq. The interior is to be finished entirely in hard wood. It will cost about \$60,000. Also additions and alterations to the residence of Col. W. H. Harris on Euclid Avenue. This will be when completed a fine large residence in the "English cottage" style. The roof will be covered with tile.

**POWDER WORKS** are being erected about six miles from the city, for the California Powder Co.

**BRIDGE.** — Proposals are advertised for a bridge at Fremont, O. It is to be an iron structure consisting of two spans of 89 feet, and one of 142½ feet in length. It will have a double roadway and two sidewalks.

**HARBOR IMPROVEMENTS.** — Messrs. Ferris and Garfield have the contract for the \$20,000 worth of work upon the breakwater at Cleveland. The east pier is to be repaired at an expense of \$8,000.

Proposals are advertised for the extension of

the breakwater at Dunkirk, N.Y., and for the west pier of the harbor at Ashtabula, O., and also for improvements at Sandusky and Toledo, O.

The Secretary of the Treasury has advertised for proposals for the construction of a life-boat station at Buffalo, N.Y.

Indianapolis.

The building-permits filed in the city clerk's office from May 8 to 20 are for small buildings at a cost of \$20,000

THE INDIANA INSANE ASYLUM.—The addition now being built for the accommodation of women is up to the cornice line. This part will accommodate 650 patients, the old part 700; the work is in charge of the architect Edwin May. They expect to get it under cover by September next.

NEW CHURCH.—B. V. Enos and Son have been selected as architects of the Third Presbyterian Church, to be located on the corner of Meridian and Second Streets. The building is to be of stone.

St. Louis.

Twenty-nine permits have been issued for the week ending May 26, chiefly for brick buildings with brick or stone fronts. Those worth \$2,500 and over are as follows: H. McKittrick, three-story brick dwelling \$20,000; F. Otts, two-story brick dwelling, \$2,500; Gibson & Logan, three-story brick dwelling, \$10,000; D. R. Haynes, trustee, three-story brick store and dwelling, \$20,000; W. S. Stuyvesant, three-story brick dwelling, \$3,500; P. Sangrain, three-story brick dwelling, \$4,000; John Peish, two-story brick dwelling, \$2,500. Total, \$62,500.

General Notes.

BROOKLYN, N.Y.—The Department of Fire and Buildings last week gave permits for the erection of 36 new buildings

BRUNSWICK, ME.—A new iron bridge is to be built between Brunswick and Topsham.

CAMBRIDGE, MASS.—A large three-story brick building, 160 feet long, to cost \$180,000, is being erected at the corner of Cambridge and Trowbridge Streets. It will contain forty suites of rooms, and is intended for a dormitory for students.

COLLEGE HILL, O.—A meeting of the citizens of the village was held recently, to decide upon a location for the new schoolhouse. The Trustees promise to have the building completed by the 1st of September.

CONCORD, MASS.—As the season advances quite rapid progress is being made on the work at the new State Prison. Messrs. Runnels and Drowne have now 115 men at work in different places under Superintendent A. P. Bateman of Lowell, while the other contractors have some 85 laborers on the ground. About 600 feet in length of the outside wall are now completed. The frames of six of the officers' tenement houses are up, and the slaters are at work on them. The Whittier Machine Company is engaged in setting up the machinery in the workshops. Messrs. Walker, Pratt, & Co. are putting the steam pipes into the building. Large quantities of brick, granite, iron, lumber, and cement are coming by rail every week.

HARRISON, O.—Having finished the brick-work on our new Town Hall, Mr. McKay's corps of bricklayers leave here to-day for Danville, Ind., to build a poor-asylum there.

HOBOKEN, N. J.—The congregation of St. Mathew's Church are now building a new church and parsonage on Hudson Street, corner of Eighth Street, from plans of the architect, Henry Engelbert of New York. The new church will be built in the Romanesque style of architecture, 54 feet wide by 90 feet deep; it will have a basement 12 feet high for Sunday school and lecture room. The church will have a nave 38 feet high, semicircular, and groined aisles 24 feet high, and will seat 600 persons. The outside will be faced with Philadelphia brick, with Ohio sandstone trimmings, and in the centre will be a tower and spire about 140 feet high; the inside will all be finished in hard wood; and the whole cost, including parsonage, will be \$50,000. The foundations are now finished, and the corner-stone will be laid on the 17th of June.

LANCASTER, O.—An addition is to be made to the buildings of the State Reform School. It is to be three stories in height above the basement, and will afford family accommodations for 100 boys.

LAWRENCEBURG, IND. A new stove foundry is to be erected for Samuel L. Gourtee & Co. The buildings will cover about three-fourths of an acre of ground, are to be built of brick of a very substantial nature, and will consist of the foundry, cleaning shops, mounting shops, and warehouses. The cost is estimated at \$30,000. Mr. Charles Crapsey is the architect.

LIMA, O.—The foundation of the Union Block is being put down.

LOUISVILLE, KY.—Buildings are now building to the value of about \$50,000.

NEW HAVEN, CONN.—The Seamless Rubber Company is to erect a \$20,000 factory.

MARYSVILLE, O.—Several new business blocks will be built here this season.

MILLESBERG, HOLMES CO., O., is to have a new county jail and sheriff's residence.

SHELBYVILLE, O.—The depot question is at last settled. The structure will be erected west of the present one, and work is to be commenced about June 1.

VAN BUREN, ME.—A starch factory, with a capacity of 80,000 bushels of potatoes per year, is being built.

WATERBURY, CONN.—The Methodists are to build a new \$40,000 church edifice, and ground for the structure was broken on Monday.

WOBURN, MASS.—The contract for building the Winn Library has been awarded to Norcross Brothers of Worcester for \$71,625.50. It calls for the completion of the building by Oct. 1, 1878. The material is to be of the best McGregor stone from the Longmeadow quarries at Springfield, which is of a brown color, to be relieved with cream-colored sandstone. The roof and floor are to be of Akron, Ohio, tile. The library is to be protected from the main building, in case of fire, by means of an iron apron. The inside finish is to be of butternut, and the contractors agree to put in the drainage materials, gas and water pipes. A competent superintendent is to oversee the work, under the appointment of the architects and the building-committee.

XENIA, O.—Work on the several fine dwellings in process of erection here is going on rapidly.

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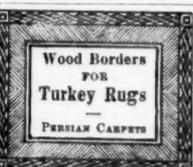
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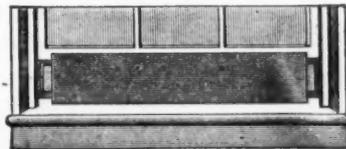
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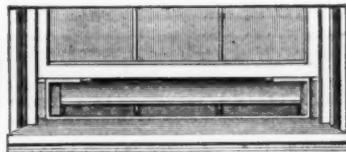
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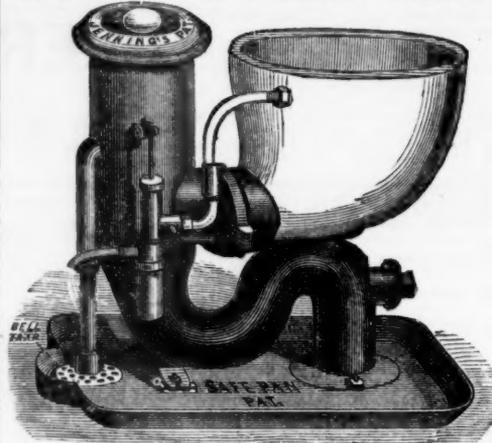
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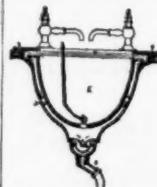
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Vol. II. No. 76.]

SATURDAY, JUNE 9, 1877.

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**PROPOSALS.**

FALLS OF ST. ANTHONY, MINN.  
**LUMBER AND STONE.**— Separate dupli-  
 cated sealed proposals will be received by the undersigned  
 until two o'clock P. M., June 25, 1877, for the following mate-  
 rials at the Falls of St. Anthony: 1. For furnishing 850,000  
 feet B. M., (more or less) of pine lumber. 2. For furnish-  
 ing and putting in place at the foot of the Apron 600 cords  
 (more or less) of Builders. For all information apply to F.  
 U. FARQUHAR, Major of Engineers, United States Engi-  
 neer Office, St. Paul, Minn. 78

**PROPOSALS.**

**RESERVOIR.**

**PAWTUCKET, R.I.**  
 The WATER COMMISSIONERS of the town of Paw-  
 tucket, R. I., are prepared to receive Proposals until noon  
 of June 21st, for building a Distributing Reservoir and  
 appurtenances. Plans and Specifications may be seen at  
 the Water Commissioners' Office after June 6th. The Com-  
 missioners reserve the right to reject any or all bids.  
 SAMUEL S. COLLIER, WILLIAM H. HASKELL,  
 GEORGE H. FULLER, Water Commissioners.  
 Pawtucket, R. I., June 1, 1877. 77

**SCHOOLHOUSE.**

**MT. VERNON, N.Y.**  
 Proposals for Building a Brick Schoolhouse at Mt. Ver-  
 non, N. Y., will be received by the Board of Education of  
 District No. 4 until June 18, 1877.  
 Plans may be examined at Trustees' room.  
 Mt. Vernon, N. Y. 77

**SUN PRAIRIE, WIS.**  
**SCHOOL HOUSE.**— The Undersigned Dis-  
 trict Board of School District No. 3, town of Sun Prairie,  
 Wis., will receive sealed proposals for furnishing material  
 and building a schoolhouse for said district, according to  
 plans and specifications prepared by D. R. Jones, Architect,  
 up to June 11, 1877. The plans and specifications for said  
 building may be examined at the office of D. R. Jones,  
 Architect, in the city of Madison, from June 2 to June 7,  
 and at the office of William Angell, Esq., in the village of  
 Sun Prairie, from June 7 to June 10, 1877. Said building is  
 to be located on section 19, in the town of Sun Prairie, and  
 proposals should be addressed to "Attn: Angell, District  
 Clerk of District No. 3, Sun Prairie, Wis." H. A. FORLIE,  
 Director, C. W. MEAD Treasurer, A. S. BAILEY, Clerk. 76

**GAS PIPING.**

**CITY OF PROVIDENCE, R.I.**  
 Sealed proposals will be received by the City Hall Com-  
 missioners for the Gas Piping of the new City Hall Building,  
 at their office, No. 5 What Cheer Building, Providence, R.I.,  
 until 12 M., June 11, 1877.  
 All information regarding the same can be had on applica-  
 tion to the commissioners, as above, or to the architect, S.  
 J. F. Thayer, No. 40 Water Street, Boston.  
 Each bid must be accompanied by a bond in the sum of  
 \$500, that a contract will be signed within ten days of the  
 reception of bids.  
 The party to whom the contract may be awarded will be  
 required to execute a satisfactory bond in the sum of \$1,000  
 for the faithful execution of the terms of the contract.  
 The commissioners do not bind themselves to accept the  
 lowest or any bid.  
 WILLIAM G. R. MOWRY, HENRY G. RUSSELL, WILLIAM  
 M. BAILEY, City Hall Commissioners. 76

**PLUMBING WORK.**

**CITY OF PROVIDENCE, R.I.**  
 Sealed proposals will be received by the City Hall Com-  
 missioners for the Plumbing Work of the new City Hall  
 Building at their office, No. 5 What Cheer Building, Provi-  
 dence, R.I., until 12 o'clock, M., June 11, 1877.  
 All information regarding the same can be had on applica-  
 tion to the commissioners as above, or to the architect,  
 S. J. F. Thayer, No. 40 Water Street, Boston.  
 Each bid must be accompanied by a bond in the sum of  
 \$1,000, that a contract will be signed within ten days of the  
 reception of bids.  
 The party to whom the contract may be awarded will be  
 required to execute a satisfactory bond in the sum of \$3,500  
 for the faithful execution of the terms of the contract.  
 The commissioners do not bind themselves to accept the  
 lowest or any bid.  
 WM. G. R. MOWRY, HENRY G. RUSSELL, WILLIAM  
 M. BAILEY, City Hall Commissioners. 76

**CUT GRANITE.**

**OFFICE STATE, WAR, AND NAVY DEPART-**  
**MENT BUILDING,**  
 WASHINGTON, D.C., May 21, 1877.  
 Proposals for furnishing the Cut Granite required in the  
 construction of two stairways in the East Wing of the  
 State, War, and Navy Department Building, will be re-  
 ceived until noon of June 20, 1877, and opened immediately  
 thereafter. Blank forms, specifications, and any desired  
 information, can be had on application at this office.  
 THOMAS L. CASEY,  
 Lieut.-Col. Corps of Engineers. 76

**HIGH SCHOOL.**

**WESTON, MASS.**  
 Sealed proposals will be received by the subscribers until  
 Thursday, June 14, at 6 o'clock P. M., for furnishing the  
 materials and performing the labor for a new High School  
 Building at Weston, Mass.  
 Drawings and specifications may be consulted at the  
 office of the architect, Carl Felner, No. 87 Milk Street,  
 Boston, and at the house of Henry J. White, near Weston  
 Centre.  
 The Committee will require guaranties for the perfor-  
 mance of contract, and they reserve the right to reject any  
 proposal they may receive.  
 GEORGE W. DUNN, GEORGE B. MILTON, WILLIAM  
 N. COWELL, EDWARD COLURN, HENRY J  
 WHITE, Building Committee. 76

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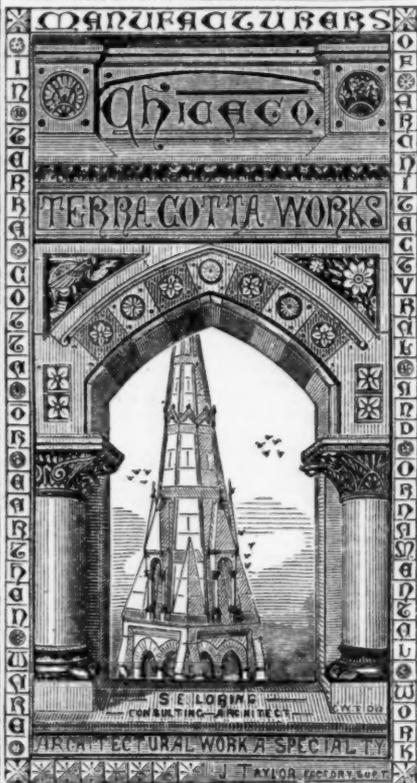


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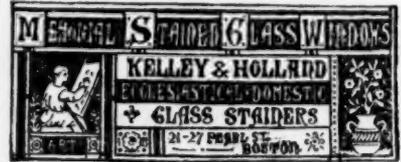
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**TOMBS OF THE GRAND MASTERS OF MALTA.** — It is very probable that five of the tombs of the Grand Masters of the Order of Malta which are now in the island of Rhodes will before long be transferred to the Louvre, as they are in a sufficiently well preserved condition to be worthy of a place in a museum.

**ENGINES FOR APARTMENT HOUSES.** — The New York Sorosis Club thinks that there ought to be two steam-engines in all large apartment houses, — a large one and a small one; the large one to run from fall to spring, assisted by the small one only in very severe weather; the small one to be used only in summer.

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**FINELY DIVIDED MATTER.** — It is stated that in the clay beds which underlie the city of Philadelphia exists more gold than has yet been obtained from Australia and California; yet it is so finely subdivided that only forty cents worth of gold could be obtained from a ton of clay, and should all the gold contained in a single Philadelphia brick be brought to the surface, it would only form an infinitely thin sheet of gold about two inches square.

**A POMPEIAN WINE-SHOP.** — One of the late Pompeian discoveries is a wine-shop roughly ornamented by imitations of marble in fresco. Over the podium of the front room is a band of stucco, with four groups painted on a white ground. The first represents a young man kissing a woman dressed in yellow, with black shoes. She says, according to the writing underneath, "I don't want to be kissed. Go to your Myrtalis." The second scene represents the young woman talking to another, who is probably the Myrtalis in question, as she is made to say, "He is none of mine." They both point to a girl who is bringing wine in a large jar, and a glass. In the third scene are two gamblers, with a checkered board on their knees, throwing dice. In scene four they fight, and the landlord turns them out, saying, "Go outside to quarrel."

**CORRECTION.** — The title of the design copied from the *Encyclopédie d'Architecture* should be *Musée et Bibliothèque à Grenoble*.

**BUILDING INTELLIGENCE.**

[Reported for the American Architect and Building News.]

**FIRE RECORD.**

Showing how buildings recently burned are to be replaced.

**AKRON, O.** — The building of Messrs. Brown and Rob, which with some others was destroyed by fire May 3, is to be replaced by a two-story brick store 21' x 50', erected from the plans of William P. Gunther. It is to be occupied by Messrs. Brown and Rob as a plumbing, gas, and steam-fitting shop. The building occupied by Mr. L. H. Lambert and burned May 3 is to be replaced by a brick and stone building 25' x 30', with a galvanized iron front.

**BATTLE CREEK, MICH.** — The buildings of Chicago and Lake Huron and Chicago and North-eastern R. R. Co. which were burned May 6 are to be replaced by temporary structures.

**BELMONT, O.** — The building occupied by the Eagle Stave Factory and burned May 10 is to be replaced by a wooden building 60' x 80', with an iron roof, which is to be used as a stave and heading factory by the same company. The building was planned by D. H. Moran.

**GALLIPOLIS, O.** — The building occupied by Messrs. Herking, Allemon and Co., which was burned on May 8, is to be replaced by a one-story building 21' x 87' with an L 23' x 36', both 12' in the clear, with 3½' fire walls. The walls are to be of brick, the roof of iron, the floors of oak plank, and the doors and window-shutters are to be covered with ½" sheet iron. It is to be used as a warehouse for heavy groceries. Mr. T. S. Ford is the architect, and Mr. Caswell Martin the builder.

**GOVERNOUR, N.Y.** — The building occupied by G. L. Van Name, which was burned May 1, is to be replaced by a block of three brick stores, with wrought work of Gouverneur white limestone, each measuring 24' x 80', two and three stories in height. They are to be occupied as grocers', druggists', and hardware stores. Mr. C. B. Johnson is the architect, Messrs. Costrigan and Hammon the builders.

**WINONA, MINN.** — The Green Bay and Minnesota Railroad Company's grain elevator, freight depot, and dock were burned to the ground a few days ago. Loss about \$80,000. The Company are making preparations to rebuild immediately.

**SUMMARY OF THE WEEK.**

Reports from the Principal Cities and Towns of the Country.

**Boston.**

**FRAME BUILDINGS.** — Permits for six buildings have been issued during the week ending June 5, to S. Hill, P. McGovern, J. Horgan, C. Tilden, and E. McKecknie. Four of them were for stables, one for a dwelling-house, and one for storage purposes.

**BRICK AND STONE BUILDINGS.** — Permits for 16 buildings have been issued. G. D. Cox is to build a block of seven two-story brick houses. Kelley and Killion are to build for the Calvary Cemetery Corporation a stone chapel 30' x 50'.

J. E. Murphy is to build two two-story brick dwellings 21' x 32' each.

M. Morse is to build a block of four three-story brick dwellings; three of them are to have stores under.

L. D. Stiles is to build one two-story brick dwelling 25' x 50'.

**REPAIRS.** — Permits for repairs upon 42 build-

ings have been issued. S. M. Burgess is to repair the African M. E. Church, on the corner of Charles and Mt. Vernon Streets.

F. H. Tarbox is to repair the First Universalist Church near Warren Street.

W. Wood is to repair the Congregational Unitarian Church on Dudley Street.

**A NEW CHURCH.** — On May 8 was laid the corner-stone of a church which is to be built at the corner of Berkeley Street and Columbus Avenue. It will, when completed, be like an amphitheatre. Two immense galleries will extend entirely around the walls, and the building will have a number of ante-rooms which can be made a part of the main church or not as the attendance warrants. It can thus be made to seat 1,300 people or 5,000 as the occasion demands. The church when completed, with the parsonage and all the ante-rooms, will not cost over \$75,000, at least \$65,000 of which is already subscribed. The chapel will be on the first floor, and over it the Sunday-school rooms. Mr. John Welch of Brooklyn is the architect.

**THE LUMBER MARKET.** — There has been more demand for lumber during May, and the dealers are fairly active, though not at profits sufficient to create any desire to lay on larger stocks than are really necessary. The operations in real estate are confined mostly to those who believe the present a favorable time for investing in this kind of property, on account of the very low prices of materials and labor. Few warehouses are being erected, and the movement is almost entirely in dwelling-houses. In some of the suburbs an active trade is reported, and in the city proper it is surprising to notice how many residences are being erected, with so large a number still for sale. As the season advances and hot weather approaches, trade will naturally fall off some; and there is little prospect of any advance in prices or demand, at least before fall. Many of the rivers East are unusually low, and large quantities of logs cannot be driven to the mills. This may operate favorably on the spruce market later on. The deal trade continues about the same as last reported. Western lumber remains dull, though the receipts are light. The demand is mostly for hard woods. Southern lumber is in fair request, with a little advance in freights, — 50c. @ \$1 per M.

**Chicago.**

The following is the report for the month of May, 1877: Number of buildings for which permits were taken, 208, as follows: one-story, 27; two-story, 47; three-story, 6; four-story, 1; one-story and basement, 5; two-story and basement, 63; three-story and basement, 39; four-story and basement, 17; five-story and basement, 2; six-story and basement, 1. Total, 208. Brick fronts, 124; stone fronts, 84. Cost of buildings as above, \$1,085,700. Cost of changes and improvements to buildings already erected, \$52,700. Total new buildings from Jan. 1 to May 31, 569; cost, \$2,198,600. New buildings commenced in May, 1876, 130. Cost of same, \$606,800. Total new buildings, 1876, Jan. 1 to May 31, 462. Cost of same, \$2,121,200. Number of feet street frontage, May, 1877, \$3,177. Stores, 16; stores and dwellings or flats, 38; dwellings, 107; manufactories, 10; public and office buildings, 2; church, 1; barns or stables, 30; miscellaneous, 4.

**Cincinnati, O.**

**GAS-WORKS FOR THE COURT HOUSE.** — The County Commissioners have decided to erect works in the jail-yard to supply the jail and court-house with gas. The annual gas bills for these two places amount to between \$5,000 and \$6,000. The works the Commissioners will erect will cost about \$8,000. They have author-

ized the Auditor to advertise for proposals for construction of the works.

**New York.**

**BUILDINGS PROJECTED FOR FORTNIGHT ENDING JUNE 6.** — Thirty-six in number, consisting of dwellings, stores, offices, breweries, &c. Total value, \$538,250.

Owners.	Architects.	Builders.
H. W. Miller.....	Carl Pfeiffer.....	Lyons & Bunn.....
Arnold & Constable.....	G. Thomas.....	.....
H. W. Main.....	J. M. Dunn.....	.....
Mrs. S. Knick.....	Charles Stool.....	.....
St. Francis R. C. Ch. O. C. Keeley.....	.....	Moran & Armstrong.....
Sarah F. Thorp.....	W. Field & son.....	J. S. Dixon.....
S. Bellman.....	Charles Baxter.....	.....
A. Blake.....	Charles Baxter.....	.....
Jacob Wickel.....	J. H. Valentine.....	.....
P. P. Decker.....	T. F. Houghton.....	P. F. Decker.....
J. E. Daying.....	J. H. Valentine.....	J. E. Daying.....
Robert Juley.....	J. H. Valentine.....	.....
Richard Fisher.....	John McIntyre.....	.....
Aaron Jacobs.....	J. M. Dunn.....	.....
Michael Healey.....	J. M. Dunn.....	.....
Municipal Gas Light Company.....	T. F. Rowland.....	J. H. Whittier.....
Connolly & Fitzgerald.....	H. Dudley.....	.....
J. Gerard.....	C. F. Redder, junr.....	.....
Duggan & Crossman.....	Duggan & Crossman.....	Duggan & Crossman.....
Charles L. Baker.....	James E. Ware.....	G. Fountain.....
M. A. Cashman.....	C. O'Reilly.....	O'Reilly Bros.....
M. E. Harndley.....	J. Barrett.....	.....
Hermann Clausen.....	F. Draper.....	J. Moore & Son.....
William Kirk.....	F. Draper.....	H. Redder.....
J. F. Millemann & Co.....	.....	.....

\* Built of stone and iron. Total cost, \$130,000.

**BREWERY.** — A brewery is to be erected at Nos. 219, 221, East Fifty-fourth Street, at a cost of about \$20,000.

**CATHOLIC CHURCH.** — Specifications have been submitted to the Building Department for a new Roman Catholic church at No. 49 West Fifteenth Street, to cost \$150,000.

**DWELLING - HOUSES.** — Specifications have been submitted to the Building Department for a row of brown-stone dwellings on Madison Avenue and Sixty-third Street, to cost \$140,000; and for similar buildings at Sixty-sixth Street, near Madison Avenue, to cost the same sum.

**OFFICE BUILDING.** — At New Street and Exchange Place H. W. Miller will erect a brick building, to be used for office purposes, to cost \$10,000.

**SIZE OF THE CITY.** — There are 84,200 buildings in this city.

**Rochester, Minn.**

**ACADEMY.** — The location of the St. Francis Academy, which was originally to have been built at Waseca, has been changed to this city. The contract for putting up the building has been awarded to C. Bohn of Winona.

**RESIDENCE.** — J. D. Blake, Esq., is building a residence which will cost about \$15,000 when completed.

**ASYLUM.** — The work on the Inebriate Asylum is being pushed rapidly forward.

**St. Louis.**

28 permits have been issued for the week ending June 2. 8 of these are for frame structures of slight value; the rest are for brick buildings, with brick or stone fronts. Those for buildings valued at \$2,500 and over were issued to M. Cuttman, two-story dwelling, \$2,500; Turner's Hall Association, hall and stores, \$7,500; J. Stewart, three-story dwellings, \$15,000; Aug. Gehner, two-story dwelling, \$5,000; W. L. Balson, store and dwelling, \$5,000; C. Lang, store and dwelling, \$4,000; public school, \$14,000.

**OPERA-HOUSE.** — There is another revival of the project of building a new opera-house, often discussed heretofore, but as often abandoned. This time Washington Avenue, between Ninth and Eleventh Streets, is the proposed site, and the building is to cost \$150,000. St. Louis is entirely without a creditable building for operatic or dramatic performances.

General Notes.

AVONDALE, O. — There are ten unfinished buildings here.

CAMBRIDGE, MASS. — The receiving-tomb at the Mount Auburn cemetery has just been completed at a cost of about \$10,000.

DOVER, N.H. — The Cocheco Manufacturing Company closed the contract June 2 with Cressy and Noyes of Boston, for the erection of a cotton-mill on private terms.

EAST HARTFORD, CONN. — The corner-stone of a large new Catholic church was laid at East Hartford on Sunday last, the ceremonies being conducted by Vicar-General Walsh.

LOWELL, MASS. — The aldermen favor the building of a combined ward-room and engine-house on Branch Street, Lowell.

LYNN, MASS. — The projectors of the new Methodist Church met at Dr. Cushing's residence Thursday May 13, and decided to purchase the Holway and Moore lots as a location for the church, and a committee was appointed to receive plans and estimates.

MADISON, IND. — The School Trustees have purchased a site, corner of Second Street and Central Avenue, for the erection of a new high school building forty by eighty feet, two stories high, of brick, slate-roofed.

PROVIDENCE, R.I. — There is to be a new hall here for public entertainments. The audience room will be 97' x 88', and will seat about 2,000; and it is estimated that being upon the ground floor and having four exits from the gallery and three from the main room, the entire hall can be emptied in three minutes.

SOUTH COVENTRY, CONN. — The corner-stone of the new St. Mary's Church will be laid June 10.

URBANA, O. — The Urbana Water Works have purchased property for \$1,000, in the south-west part of the city, near the railroad depot, as a location for the water-works. Work will be commenced at once. The contract for digging, walling, and wall-grading purposes was let for the sum of \$1,000. It will be twenty feet in diameter, and eight feet at low-water mark.

LAKE CITY, MINN. — The Irish Catholic Society of this place are erecting a commodious brick church at a cost of about \$15,000. E. P. Bassford of St. Paul is the architect.

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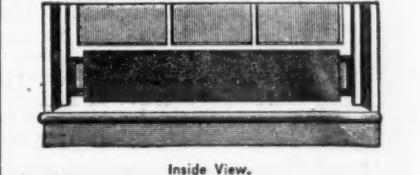
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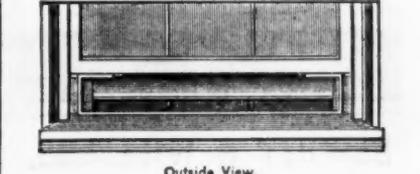
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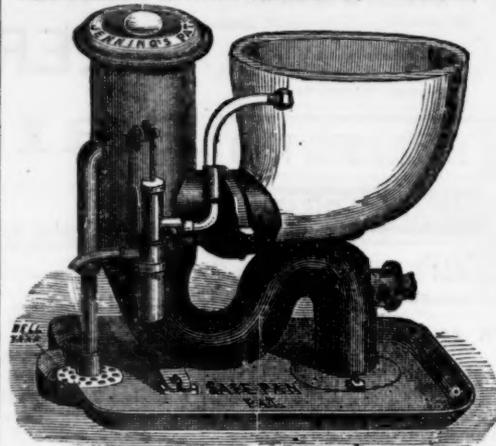
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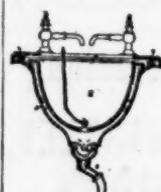
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architects of this country, "Minimum of metal, maxi-  
mum of stiffness, maximum of clench; the best lath  
ever made, either wood or iron." See New York Post-  
Office; State Department, Washington; Equitable Life  
Insurance Company's Buildings, and many others.

Mr. HOYT will be pleased to wait upon Architects, when  
desired, to explain our methods, and to present for inspec-  
tion construction plans and estimates for any specific work.

**PROPOSALS.**

FALLS OF ST. ANTHONY, MINN.  
**LUMBER AND STONE.** — Separate dupli-  
cate sealed proposals will be received by the undersigned  
until two o'clock P.M., June 25, 1877, for the following mate-  
rials at the Falls of St. Anthony: I. For furnishing 850,000  
ft. B. M., (more or less) of pine lumber. II. For furnishing  
a. d. put up in place at the foot of the Apron 600 cords  
(more or less) of Boulders. For all information apply to F.  
U. FARQUHAR, Major of Engineers, United States Engi-  
neer Office, St. Paul, Minn.

**PROPOSALS.**

**STEAM HEATING APPARATUS.**

CARBONDALE, ILL.  
Proposals for steam heating apparatus to be introduced  
into the Southern Illinois Normal University at Carbon-  
dale, Ill.

Bids will be received for the above purpose by the Trust-  
ees of said institution at their office in Carbondale until  
July 3, 1877. All bids should be indorsed on the envelopes,  
"Proposals for Steam-heating," and directed to the "Sec-  
retary of the University" at Carbondale. Plans of the  
building can be seen at the Secretary's office. The bids will  
be opened on 3d of July, at 2 P.M. The following is a copy  
of the second and third sections of the bill making the app-  
ropriation, to wit:

SECTION 2. The Trustees of the said Southern Illinois  
Normal University shall have power to contract with the  
lowest responsible bidder for putting in said steam-heating  
apparatus, and shall reserve not less than twenty per cent  
of the sum agreed to be paid, until there has been practical  
test made of its capability to do the work required of it for  
at least four months. The contract shall be awarded only  
after advertisements have been printed for no less than  
thirty days in at least one newspaper in the cities of Chi-  
cago, Bloomington, Springfield, and St. Louis. The contrac-  
tor shall be required to give bonds to the people of the  
State, in a sum double the contract price, conditioned on  
the faithful performance of his work, and that the heating  
apparatus shall work satisfactorily to the Trustees for the  
term of two years from its completion.

SECTION 3. The moneys hereby appropriated shall be  
paid to the contractor by the Treasurer of the State on the  
warrants of the Auditor of Public Accounts, and the audi-  
tor is hereby authorized and required to draw the said war-  
rants for moneys due under this act on the order of the said  
Trustees, accompanied by vouchers approved by the gov-  
ernor.

The Trustees reserve the right to reject any bids where  
the apparatus may not be deemed suitable, or for any other  
sufficient reason

JAMES ROBERTS, Secretary,  
Carbondale, Ill., May 28, 1877. THOS. S. RIDGWAY, President.

**BANK BUILDING.**

STAFFORD, CONN.  
Sealed proposals will be received until June 20, for tur-  
nishing the material and performing the labor for a three-  
story Bank Building at Stafford Springs, Conn.  
Drawings and specifications may be consulted at the office  
of Genl. F. H. BRIDGEPORT, Conn., or at the  
bank at Stafford Springs, Conn. Lowest, or any bid not  
necessarily accepted. K. S. HICKS, Cashier.  
JUNE 7, 1877. 78

**ENGINE HOUSE, WATER TOWER, ETC.**

COLDWATER, MICH.  
Sealed proposals will be received at the office of the  
undersigned, Secretary and Treasurer of the State Public  
School in Coldwater, Mich., for the erection of an Engine  
House and Water Tower combined, and for a Children's  
Cottage for said institution, until June 26, at 2 o'clock P.M.,  
in accordance with plans and specifications for the first  
named building made by Charles H. Marsh, architect, De-  
troit, and plans and specifications for the second named  
building made by E. B. Saxton, architect, Coldwater.  
Tenders to be made separate for each building. The rig-  
ht to reject all proposals is reserved. The plans and specifica-  
tions will be ready for examination at the office of the  
Secretary and Treasurer in Coldwater, Mich., and at the  
office of said Charles H. Marsh, architect, on and after  
the 8th inst. JAMES BURNS, H. H. HINDS, C. D. RAN-  
DALL, Board of Control of the State Public School, C. D.  
RANDALL, Secretary and Treasurer. 79

BIG DARBY, O.  
**SCHOOL HOUSE.** — The Local Directors  
of Sub-District No. 10, Prairie Township, Franklin  
County, O., will receive proposals until noon, June 29,  
1877, for the erection of a Brick Schoolhouse near Big Darby,  
13 miles south of the National Road. The bids must be in  
conformity to law, and the Board may reject any or all  
bids. The plans and specifications may be seen at the resi-  
dence of J. H. Chambers, near Alton. GEO. KOEBLE, A.  
A. JOHNSTON, J. F. SIDNER, Building Committee. 78

MILLCREEK, O.  
**MASONRY.** — Sealed proposals will be re-  
ceived at the County Commissioners' office, Cin-  
cinnati, O., until Tuesday, July 3, 1877, at 12 o'clock, M., for  
masonry of two arch culverts on Mitchell Avenue, between  
the Miami Canal and the Carthage Pike, in Millicreek  
Township. Specification can be seen at this office. The  
right to reject any or all bids is reserved. By order of the  
Commissioners, JOSEPH B. HUMPHREYS, Auditor of  
Hamilton Co., O. 79

**RESERVOIR.**

PAWTUCKET, R.I.  
The WATER COMMISSIONERS of the Town of Pawtucket,  
R.I., are prepared to receive Proposals until noon  
of June 21st, for building a Distributing Reservoir and  
appurtenances. Plans and Specifications may be seen at  
the Water Commissioners' Office after June 6th. The Com-  
missioners reserve the right to reject any or all bids.  
SAMUEL S. COLLYER, WILLIAM H. HASKELL,  
GEORGE H. FULLER, Water Commissioners.  
Pawtucket, R.I., June 1, 1877. 77

**SCHOOLHOUSE.**

Mr. VERNON, N.Y.  
Proposals for Building a Brick Schoolhouse at Mt. Ver-  
non, N.Y., will be received by the Board of Education of  
District No. 4 until June 18, 1877.  
Plans may be examined at Trustees' room.  
Mt. Vernon, N.Y. 77

**CUT GRANITE.**

OFFICE STATE, WAR, AND NAVY DEPART-  
MENT BUILDING,  
WASHINGTON, D.C., May 21, 1877.  
Proposals for furnishing the Cut Granite required in the  
construction of two stairways in the East Wing of the  
State, War, and Navy Department Building, will be re-  
ceived until noon of June 20, 1877, and opened immediately  
thereafter. Blank forms, specifications, and any desired  
information, can be had on application at this office.  
THOMAS L. ASEEY,  
Lieut.-Col. Corps of Engin'rs.

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Office,** by a Cornell graduate in Architecture. Low  
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 age.

**ARCHITECTURE.**

Illustrated Papers on Church Architecture, by Edmund  
 Sharpe, M.A. No. 3. Ornamentation of the Transitional  
 Period in Germany. Royal 4to, 21 plates. \$4.00.

An Architect's Letter about Sewer-Gas and House Drain  
 age: "How to keep out the former, and how to construct  
 and ventilate the latter." Illustrated. By Henry Masters.  
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**BUILDING INTELLIGENCE.**

[Reported for the American Architect and Building News.]

**FIRE RECORD.**

Showing how buildings recently burned are to be replaced.

**BALTIMORE, MD.**—The building occupied by Brown Brothers, which was burned May 31, is to be replaced by an iron-fronted brick building 27' 6" x 110'. As a precaution against any future damage by fire the first and second floors are laid upon brick arches supported by iron beams. It is to be occupied as a wholesale druggist's store. It is building by Jackson Holland, from his own plans.

**LEAVITTSTOWN, O.**—The transfer freight depot of the Atlantic and Great Western Railroad, which was burned May 9, is to be replaced by a wooden building 150' x 42'.

**NEW YORK, N.Y.**—During the month of May the aggregate loss by fire in the city was \$440,960. On the property damaged there were insurances amounting to \$454,794.

**SHERMAN, TEX.**—The building occupied by the Messrs. Cook Brothers, jewellers, which was burned May 6, is to be replaced by a three-story brick building 50' x 100', and will be used as a dry-goods store. S. B. Haggart is the architect.

**JONESVILLE, VT.**—The building of H. H. Frary, which was burned May 26, is being replaced by a wooden building 55' x 24' which is to be occupied as a factory for making spools and other small turned ware.

**SUMMARY OF THE WEEK.**

Reports from the Principal Cities and Towns of the Country.

**Boston.**

**APARTMENT HOUSE.**—Edwin B. Horn, Esq., is about to erect at 76 to 80 Carver Street a building to be called Hotel Sumner. It is to be of face brick and Ohio stone, five stories high, with two suites of apartments on each floor, separated by brick walls; entrance and staircase halls finished in marble and hard woods. Each suite is fitted with all modern conveniences. Messrs. Appleton and Stephenson are the architects.

**FRAME BUILDINGS.**—Fourteen permits for wooden and frame buildings have been issued for the week ending June 12. They embrace five dwellings, four stables, a boat-house, and a laundry and cook house. The names of the applicants are James Cumming, George D. Cox, Asa Mitchell, Beal and Spear, John Geggis, Charles J. Bateman, John C. Stuck, George A. Dean, Frank H. Williams, John D. Wester, Hargrave and Son, William Matthews, jun., Lewis F. Pierce, P. W. Ford.

**BRICK AND STONE BUILDINGS.**—Twelve permits for brick buildings have been issued since our last report. These comprise six dwellings, five tenement houses, and one mercantile building.

Ivory Bean will erect four dwellings 22' x 35'. Samuel Tuttle will erect the remaining two dwellings 20' x 43'.

Mr. Bean will also erect two tenement houses 25' x 37'.

Frederick H. Tarbox will erect three large tenement houses of the following dimensions: 42' x 70', 42' x 70', and 118' x 118'.

Hancock and Greeley will erect one mercantile building 46' x 82'.

**REPAIRS.**—The number of repairs for June 5 to June 12 is 93, an unusually large list, which shows a considerable increase of work among carpenters, masons, and builders. Some of the repairs are of quite an extensive nature.

**Chicago.**

**BUILDING-PERMITS.**—For the two weeks ending June 9, 123 permits were granted. There is a decided improvement in building indicated by the number of buildings of the better class. The following were for the building of two stories and over:—

Charles Caunanta, two-story and attic dwelling, 24' x 52'; Centre Avenue and Fremont St.

Wilson Packing Co., two-story engine-room, 44' x 90', 178 and 180 South Clinton Street.

Philip Gramer, two-story dwelling, 21' x 60', 464 West Superior Street.

Jacob and C. J. Furst, 2 two-story basement and attic stone-front dwellings, each 25' x 59', Congress Street, near Ashland Avenue.

Malcolm McNeil, 3 three-story and basement stone-front dwellings, each 20' x 47', 645, 647, and 649, Michigan Avenue.

A. J. Snell, 8 two-story and basement stone-front dwellings, each 17' x 52', Randolph and Ada Streets.

Andreas Frantson, two-story store and dwelling 24' x 50', 622 West Indiana Street.

Henry Fuller, six-story and basement stone-front store, 24' x 162½', 84 Wabash Avenue. This is to be a first-class wholesale store to cost \$26,000.

R. C. Richardson, 2 three-story and basement stone-front dwellings, each 20' x 40', Ontario Street, near State.

Mrs. F. S. Baker, two-story and basement stone-front dwelling, 25' x 70', 285 W. Monroe Street.

Samuel Steifel, two-story and basement store and dwelling, 25' x 70', 589 South Canal Street.

E. Muller, two-story and basement brick dwelling, 22' x 66½', 140 Canalport Avenue.

J. Crittenden, two-story and basement dwelling, 21' x 53½', Webster Avenue, near Orchard.

J. A. Packard, two-story basement and attic stone-front dwelling, 24½' x 51½', 584 W. Adams Street.

Catharine Henry, two-story and basement stone-front dwelling, 21' x 40', Ashland Avenue, near Polk Street.

C. E. Mants, three-story and basement stone-front dwelling, 25' x 60', 303 Huron Street.

Roas McFarland, two-story dwelling, 22½' x 32', 484 Arnold Street.

John F. Halla, two-story and basement dwelling, 24' x 68½', 543 North Clark Street.

Charles Halla, two-story and basement dwelling, 25' x 68½', 551 North Clark Street.

Conrad Seipp, two-story store-house, 38' x 60', Iglehart Place.

A. Williams, 5 two-story and basement dwellings, 20' x 33½', Rovey Street, near Twelfth.

N. W. Linsced Oil Manufacturing Co., three-story and basement warehouse, 72' x 103½', 86, 88, and 90, Pratt Street.

D. H. McDaniel, three-story and basement stone-front dwelling, 20' x 40', 204 Dearborn Avenue.

John Kena, two-story brick dwelling, 22' x 32½', 126 Howe Street.

Mrs. A. S. Chandler, three-story and basement dwelling, 27' x 84½', 182 Rush Street.

Joseph Rogerson, two-story and basement dwelling, 22' x 36½', 416 Warren Avenue.

Daniel Lordin, three-story and basement stone-front dwelling, 24' x 68½', Twelfth Street and Central Avenue.

Hayes and Bostwick, 3 three-story and basement stone-front dwellings, 23½' x 40½', Ashland Avenue and Congress Street.

A. B. Harris, two-story and basement stone-front dwelling, 24' x 50½', 1734 Wabash Avenue.

D. Bradley, three-story and basement stone-front dwelling, 22' x 90½', Ogden Avenue, near Taylor.

John Nelson, two-story store and dwelling, 24' x 50½', 620 West Indiana Street.

Charles Emerick, 2 basement and attic brick dwellings, 25' x 52½', Carl near Wells Street.

M. Stigel, 2 two-story and basement brick dwellings, each 22' x 42½', 66 and 68 Vedder St.

J. N. Russell, 2 brick dwellings, 22' x 42½', Oakley near Van Buren.

John Triggs, three story and basement stone-front store and dwelling, 25' x 60½', 253 South Halstead Street.

Antonie Temple, two-story basement and attic store and dwelling, 23' x 64½', Clark near Goethe.

J. L. Hack, two-story brick dwelling, 22' x 46½', Centre Avenue near Halsted.

George Hinchliff, 3 two-story and basement brick dwellings, each 20' x 40½', North Clark Street, near Webster Avenue.

**Cleveland, O.**

**HOME FOR AGED POOR.**—Cudell & Richardson are engaged on the Home for Aged Poor, to be built on Perry Street. The institution is being built by the "Little Sisters of the Poor," a Roman Catholic society. The entire structure will cost about \$40,000 when completed. The only portion of the building to be put up this summer is the department for women, which will cost about \$16,000. The department for men will be built next year. Between the two wings a fine chapel is to be erected, to cost about \$8,000.

**PRIVATE BUILDINGS.**—The firm has also completed the plans for a large apartment hotel to be erected at the corner of Case Avenue and Prospect Street. It is the enterprise of a Cleveland gentleman, Mr. Burgert, and will cost some \$65,000. The structure is to be a fine four-story building with basement and French roof. It was intended to be built this year, but through a change in the plans of the originator will be laid over until next summer. The firm is remodelling a number of dwellings, and is also engaged upon a fine dwelling for Mr. J. E. Green, which is to be erected on Franklin Street, and will cost about \$9,000.

**Galveston, Tex.**

**COTTON EXCHANGE, ETC.**—Nearly every town in the State, of six or eight thousand inhabitants has an architect. In Austin there are two double firms; in Galveston three single and one double one. On the 24th and 26th of the past month there was a competition for a new cotton exchange, wherein Messrs. Gibbs and Moser of Toledo and Galveston took the honors. There

is but little building now moving here, this being the beginning of the dull season. Messrs. Duhamell and Lawler are building a large block, and the market-house at Houston. Mr. Toby is finishing several residences, and building a new grocery house, quite an extensive building, on the Strand. Mr. Clayton has some city works, St. Patrick's church just being roofed in, and several large country churches, one a large stone church at Austin. Gibbs and Moser are working up the drawings for the cotton exchange. There is not one stone saw mill in Texas: a diamond saw would do well here.

**Indianapolis.**

**COUNTY COURT HOUSE.**—The Marion County Court House will be finished ready for occupancy about July 4. The fresco work is about completed.

**New York.**

**BUILDINGS PROJECTED FOR WEEK ENDING JUNE 12.**—Seventeen in number, consisting of stores, dwellings, flats, etc. Total value, \$266,000.

Owners.	Architects.	Builders.
D. Kennedy.....	Charles Baxter.....	.....
Edward Wood.....	Charles Baxter.....	.....
L. Bellmann.....	Charles Baxter.....	.....
J. T. Sherman.....	M. Barret.....	Donald McLinnis.....
Robert B. Lynd.....	R. B. Lynd.....	.....
William Rabb.....	W. E. Waring.....	.....
J. H. Godwin.....	S. L. Berrian.....	S. L. Berrian.....
John Grant.....	T. Wilson.....	Cockrill & Spaulding.....
E. McMillan.....	T. Wilson.....	.....
Peter Flick.....	G. Holzgart.....	W. Schwartz.....
John Brown.....	.....	Robert Ferguson.....
John Burk.....	T. G. Smith.....	.....
George M. Bassett.....	.....	J. G. Tucker.....
M. Hinson.....	.....	G. W. Hughes.....
Joseph Geimer.....	F. M. Klunt.....	J. Lentel.....
Griswold & Dorling.....	S. D. Hatch.....	N. & H. Andrews.....
Louis Edinger.....	J. B. Snook.....	.....

\* French flats, Nos. 8, 10, and 12 West 30th Street. \$100,000.

**THE BLEEKER STREET CHURCH.**—The Third Universalist Society of this city has decided to abandon its present church edifice in Bleeker Street, as soon as a large and more desirable building can be erected in a pleasanter part of the city. The new church will probably be erected between Twenty-first and Twenty-seventh Streets near Fifth Avenue. The old brick building which it is thus proposed to abandon is among the oldest church structures in New York, having been built over half a century ago. In its early days it was considered one of the finest churches in New York. It was then in the midst of the "up-town community," and the houses now used as resorts of vice and crime, and as retail stores, were the residences of the aristocracy of the city. While the exterior of the old church presents an unattractive and old-fashioned appearance, the interior is fitted up in modern style. Upon the desertion of the Bleeker Street Church it will probably be purchased by the Colored Methodist Society, or be used as a school-building.

**Philadelphia.**

**THE CHURCH OF THE TRANSFIGURATION.**—The chapel building of the Protestant Episcopal Church of the Transfiguration, Rev. J. K. Kaye, rector, has been demolished, and work has been commenced on the new structure, the congregation in the mean time holding services in a frame chapel on Woodland Avenue, above Walnut Street, West Philadelphia. The new building will be constructed of stone, and will have a frontage on Wolverton Avenue of 40 feet, and a depth of 100 feet. It will have a tower 125 feet in height. The auditorium will be finished in hard wood, with stained glass windows, and will have a seating-capacity for nearly 500 persons. The east window in the chancel will contain a painting of the Transfiguration. The lower floor will be divided into Sunday school, Bible, and vestry rooms. The building will be ready for occupancy about the 1st of September next.

**POLICE DISTRICT STATION HOUSE.**—The Eighteenth District Station House, on Trenton Avenue, south of Dauphin Street, which has for some time past been undergoing extensive improvements and additions, is rapidly approaching completion. The addition which has been made to the original building is 22 feet front and 50 feet deep. On the first floor there are eight cells, and lieutenants' and sergeants' wash-room. The second floor contains a fine sitting-room 22 by 30 feet, and two lodging-rooms. On the third floor there is a large room for lodgers, a bath-room, and water-closets. The basement of the building has been set apart as a drill-room for the officers and men composing the force. This room is 30 by 50 feet, and has a substantial stone floor. The work will be completed in a few days, and will be handed over to the city authorities.

**REVIEW OF THE LAST MONTH.**—During the month of May, the building-inspectors issued 758 permits for new buildings, as follows:—Dwellings-houses, two-story, 247; three-story, 232; four-story, 2; stores and dwellings, one-

story, 5; two-story, 9; three-story, 23; four-story, 2; back-buildings, 57; additions and alterations, 138; sheds, 2; stables, 17; school-building, 1; factories, 10; exhibition building, 1; slaughter-houses, 2; shops, 2; fire engine house, 1; offices, 2; ice-houses, 1; warehouse, 1; church and chapel building, 2; mill, 1; theatre, 1.

THE NEW POST-OFFICE.—The commission appointed by the Secretary of the Treasury to report upon a plan of contracts to supersede those previously in force for the supply of stone for the government buildings being erected in various parts of the country have not yet been able to complete their labors. There is no doubt, however, of a material modification of the contracts, which will effect a very material saving. For the new post-office here, the stone for the two first stories of the superstructure has been cut for some time, and has been lying in the quarries at Dix Island awaiting shipment. The latest advices at the office of the Supervising Architect state that it is now on the way. The new form of contract will only embrace the two stories yet unprovided for, which will involve an outlay of about a million dollars, it is ascertained. If the appropriations are promptly made, there will be no delay in the work on the building, as was at first feared.

A NEW CHURCH.—Owing to the scattered condition of the congregation of the South Street Presbyterian Church, South Street, above Tenth, and the poor locality in which the building stands, the edifice will be sold as soon as a purchaser can be found. It is the intention of the congregation to erect a new church in the south-western section of the city.

St. Louis.

PERMITS.—Twenty permits have been issued from June 5 to 8 inclusive. Three of these are for frame buildings of slight value. The rest are for brick buildings with brick or stone fronts. Those worth over \$2,500 are as follows: A Grissel, store and dwelling, \$4,000; People's R. R. Co., stable and shop, \$3,500; H. Henselmeyer, store and dwelling, \$3,900.

General Notes.

ANN ARBOR, MICH.—Mr. Bunting was the successful competitor in the competition for the Court House at Ann Arbor, Mich. The building is to cost \$70,000.

AVONDALE, O.—George Hafer, Esq., is erecting a fine house on Rockdale Avenue, and we learn Mr. Van Antwerp contemplates doing the same on Forest Avenue.

BROOKLYN, N.Y.—The total cost for the erection of the works of the new Mutual Gas Company, including the cost of land, will be \$1,350,000. A portion of the material for the erection of the buildings at Degraw and Nevins Streets is on its way to the city. The contractors, Starr & Son of Camden, N.J., are confident that the work will be completed as early as March, 1878.

FITCHBURG, MASS.—The plans for the new depot represent a brick building 140 feet long and 36 feet wide, relieved with granite.

JERSEY CITY, N.J.—An immense fire-proof elevator is to be constructed at the terminus of the Erie Railroad, on the pier formerly used by the White Star Steamboat Company. It will cost about \$600,000, and have storage capacity of 1,500,000 bushels.

WABASH, IND.—A court house is to be built at Wabash, Ind., this season. Plans are to be received by the commissioners the 20th of this month. It is to cost about \$100,000.

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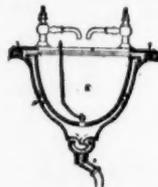


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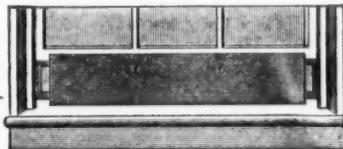
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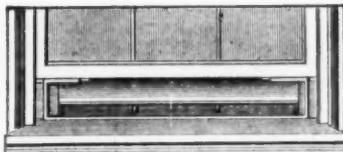
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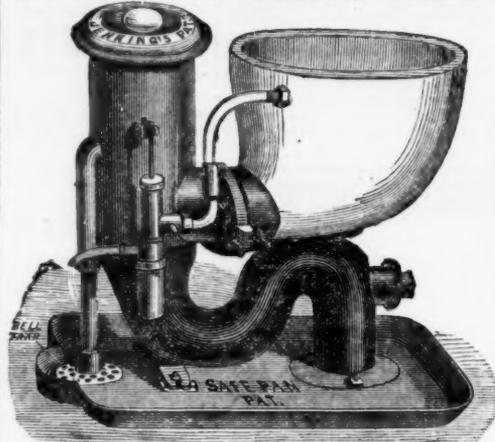
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tion construction plans and estimates for any specific work.

**PROPOSALS.**

**IRON WORK.** CHICAGO, ILL.  
OFFICE OF THE SUPERVISING ARCHITECT,  
TREASURY DEPARTMENT,  
WASHINGTON, D. C., June 22, 1877.  
Sealed proposals will be received at this office until 12 M.,  
on the 6th day of July 1877, for furnishing, delivering, sit-  
ting, and putting in place the Wrought and Cast Iron Work  
required for the U. S. Custom House and Post Office at Chi-  
cago, Ill., in accordance with drawings, specifications, and  
schedules.  
Copies of drawings, specifications, and schedule, and any  
additional information, may be had on application at this  
office or the office of the Superintendent.  
79 21 JAS. G. HILL, Supervising Architect.

**CITY OF PROVIDENCE.**  
Sealed proposals for PLASTERING, STUCCO, AND  
KEENE'S CEMENT WORK in the New City Hall Building  
will be received until 12 o'clock M., July 2, 1877, by the  
City Hall Commissioners, at their office, No. 5 What Cheer  
Building, Providence, R. I.  
Plans, specifications, form of proposal, and bond may be  
had of the Commissioners, as above, or of the architect,  
S. J. F. THAYER, No. 40 Water Street, Boston, on deposit of  
\$50.00.  
Each bid must be accompanied with a bond in the sum of  
\$1,500 that a contract will be signed within ten days of the  
reception of the Commission, as above, or of the architect.  
The contracting party must execute a satisfactory bond in the  
sum of \$4,000 for the faithful execution of the work.  
The Commissioners will not necessarily accept the lowest  
or any bid.  
W. M. G. R. MOWRAY, HENRY G. RUSSELL, W. M. M.  
BAILEY, City Hall Commissioners.

**CARPENTRY.** CITY OF PROVIDENCE,  
PROVIDENCE, R. I.  
Sealed proposals for the CARPENTRY AND CONTIN-  
GENT WORK in the New City Hall Building will be re-  
ceived by the City Hall Commissioners, at their office, No. 5  
What Cheer Building, Providence, R. I., until 12 o'clock M.,  
July 9, 1877.  
For plans, specifications, form of proposal, and bond, apply  
to the Commissioners as above, or to the architect, S. J. F.  
Thayer, No. 40 Water Street, Boston, Mass. To secure the  
return of the plans, a deposit of \$75 is required. Each pro-  
posal must be accompanied by a bond in the sum of \$3,000  
that a contract will be signed within ten days of the recep-  
tion of the bids.  
The party to whom the contract may be awarded will be  
required to execute a satisfactory bond in the sum of \$20,000  
for the faithful execution of the work. The Commis-  
sioners will not necessarily accept the lowest or any proposal.  
W. M. G. R. MOWRAY, HENRY G. RUSSELL, W. M. M.  
BAILEY, City Hall Commissioners.

**BRICK WORK.** NORTH ADAMS, MASS.  
MANAGER'S OFFICE,  
TROY & GREENFIELD R. R. and HOOSAC TUNNEL,  
NORTH ADAMS, June 12, 1877.  
Sealed proposals will be received at this office up to noon  
of June 26, inst., for building the facade at the east portal of  
the Hoosac Tunnel. Also for building about 80 centy feet  
in length of Arch at the west portal of the small Tunnel  
near the village of North Adams. Plans can be seen and  
specifications procured by applying to W. F. GRANGER,  
Chief Engineer, at this office, after the 18th inst.  
The right is reserved to reject any and all bids.  
June 14 61 J. PRESCOTT, Manager.

**CUT GRANITE.** OFFICE OF PUBLIC BUILDINGS AND GROUNDS,  
WASHINGTON, D. C., June 13, 1877.  
Proposals for furnishing in this city, at the Circle at the  
inter-section of Fourteenth and M streets, N.W., the Cut  
Granite required in the construction of a pedestal for a  
bronze statue of General George H. Thomas, will be received  
until noon of July 5, 1877, and opened immediately there-  
after.  
Blank forms and specifications, and any desired informa-  
tion can be had on application at this office.  
THOS. LINCOLN CASEY,  
Leut.-Col. of Engineers.

**CHURCH.** MIDDLETOWN, Penn.  
Sealed proposals for the building by contract of a Lutheran  
CHURCH, at Middletown, Penn., will be received until 30th  
of June inclusive. Separate proposals for work and mate-  
rial will also be received. The committee reserve the right  
to reject any or all bids.  
Plans and specifications can be seen by calling on any of  
the Building Committee at Middletown, Dauphin county,  
Penn.  
JOS. H. NISLEY, Chairman; W. A. CRÖLL, Secretary;  
JNO. L. CARLMAN, Treasurer.

**PROPOSALS.**

**BUILDING FOR GIRLS' INDUSTRIAL  
HOME.** DELAWARE, O.

Sealed proposals will be received by the Board of Trustees  
of the Girls' Industrial Home, at the office of the Secretary,  
in Delaware, until 12 o'clock, M., on FRIDAY, July 13,  
1877, for furnishing materials and building on the premises  
of the institution, at White Sulphur Springs, Delaware  
County, Ohio, a new Family Building. Bids to be indorsed  
"Proposals for Family Building at Girls' Industrial Home,"  
and addressed to A. Thomson, Delaware, Ohio.  
The building is to be two stories, of brick, eighty feet  
front with receding wings on either side, seventy-four feet  
from the front.  
The drawings and specifications can be seen at the store  
of Cox & Stayman, in Delaware, and a copy of the speci-  
fications obtained on application to the Secretary, by those  
wishing to bid.  
All proposals must be accompanied with a bond of the  
bidder, with sufficient sureties, conditioned that if said pro-  
posals shall be accepted a contract will be duly entered into  
with bonds and sureties that the work as specified shall be  
faithfully performed.  
Proposals will be received for the entire work in one bid,  
or for the several kinds of work separately.  
The Trustees reserve the right to reject any or all bids, or  
to accept one for the entire work which may not be less than  
25 per cent combined bids of the separate branches of work, if  
in their opinion it is for the interest of the State to do so.  
Estimates will be made monthly for partial payments as  
the work progresses—in manner required by law.  
The contract will require prompt work, and completion of  
the building by the first of December next.  
By order of the Board of Trustees.  
A. THOMSON, Secretary.  
June 14, 1877.

**BOILER IRON.** CINCINNATI, O.

Sealed proposals will be received at the County Com-  
missioners' office, Cincinnati, O., until Tuesday, July 3, 1877,  
at 12 o'clock M. for lining the ceiling of the corridors of the  
Jail with boiler iron. Specifications can be seen at this  
office.  
The right to reject any or all bids is reserved.  
By order of the Commissioners.  
JOS. B. HUMPHREYS,  
Auditor of Hamilton County, O.

**SCHOOLHOUSE.**

XENIA, O.  
Notice is hereby given that sealed proposals will be re-  
ceived at the Superintendent's office of the Soldiers' and  
Sailors' Orphans' Home, Xenia, Greene County, Ohio, up to  
1 o'clock, P.M. of August 3, 1877, for furnishing material  
and labor required in the construction of a schoolhouse on  
the Home grounds.  
Proposals must be in accordance with plans, specifica-  
tions, &c., now on file with the auditor of State, at Colum-  
bus, and a copy of which may be seen, during office hours,  
at the office of the Superintendent of the Home.  
Each proposal must be accompanied with a good and suffi-  
cient bond in the sum of \$1,000, conditioned that the bidder  
or bidders will, if awarded the contract, give bond as re-  
quired by law, for the faithful fulfillment of the same.  
Proposals under the different kinds of work, as shown by  
the plans, specifications, &c., must be for both material and  
labor.  
Contractors will be paid in monthly estimates, less five per  
cent as required by law, until the completion of the work.  
Said building will be required to be enclosed by the first  
day of December, 1877, and fully completed by the first day  
of July, 1878.  
The Board of Trustees reserve the right to reject any or  
all bids.  
By order of the Board of Trustees.  
(Attest) W. M. S. FURAY, Secretary.

**GAS HOUSE.** CINCINNATI, O.

Sealed proposals will be received at the County Com-  
missioners' office, Cincinnati, O., until Tuesday, July 3, 1877,  
at 12 M., for erecting a Gas House and Gas Fixtures, all com-  
plete and ready for use, for Court House and Jail. Specifi-  
cations can be seen at this office.  
The right to reject any or all bids is reserved.  
By order of Commissioners.  
JOSEPH B. HUMPHREYS, Auditor.

**COURT HOUSE.** ANN ARBOR.

Sealed proposals for the building of a Court House at Ann  
Arbor, County of Washtenaw, and State of Michigan, will be  
received by the undersigned building committee, until the  
28th day of June instant, at 10 o'clock A.M. of said day. The  
plans, specifications, and detail drawings of said building  
can be seen at the office of the County Clerk, in Ann Arbor,  
and duplicates of the same at the office of G. W. Bunting,  
architect, Indianapolis, Indiana. Bonds, with sureties re-  
siding in the State, to be approved by said building com-  
mittee, for the faithful performance of the contract, will be  
required, and twenty per cent of the cost of the building  
will be retained until its completion. Proposals for said  
building to be sealed, with name of bidder indorsed thereon,  
and enclosed in an envelope, addressed to the "Building  
Committee of Washtenaw County," and marked "Proposals  
for building Court House." No bid will be received that  
exceeds in amount sixty thousand dollars, including archi-  
tect's commission.  
The undersigned reserves the right of rejecting any or all  
of said proposals.  
E. LAWRENCE,  
Chairman Building Committee.

**BANK BUILDING.** STAFFORD, CONN.

Sealed proposals will be received until June 30, for fur-  
nishing the material and performing the labor for a three-  
story Bank Building at Stafford Springs, Conn.  
Drawings and specifications may be consulted at the office  
of Geo. Falliser, architect, Bridgeport, Conn., or at the  
bank at Stafford Springs, Conn. Lowest, or any bid not  
necessarily accepted.  
R. S. HICKS, Cashier.  
June 7, 1877.

**ENGINE HOUSE, WATER TOWER, ETC.** COLDWATER, MICH.

Sealed proposals will be received at the office of the  
undersigned, Secretary and Treasurer of the State Public  
School in Coldwater, Mich., for the erection of an Engine  
House and Water Tower combined, and for a Children's  
Cottage for said institution, until June 26, at 2 o'clock P.M.,  
in accordance with plans and specifications for the first  
named building made by Charles H. Marsh, architect, De-  
troit, and plans and specifications for the second named  
building made by E. B. Saxton, architect, Coldwater.  
Tenders to be made separate for each building. The right  
to reject all proposals is reserved. The plans and specifica-  
tions will be ready for examination at the office of the  
Secretary and Treasurer, in Coldwater, Mich., and at the  
office of said Charles H. Marsh, architect, on and after  
the 15th inst. JAMES BURNS, H. H. HINDS, C. D. RAN-  
DALL, Board of Control of the State Public School. C. D.  
RANDALL, Secretary and Treasurer.

**GAS HOUSE.** CINCINNATI, O.  
Sealed proposals will be re-  
ceived at the County Commissioners' office, Cincinnati,  
O., until Tuesday, July 3, 1877, at 12 M., for erecting a Gas-  
house and Gas-fixtures, all complete and ready for use, for  
Court-house and Jail. Specifications can be seen at this  
office. The right to reject any or all bids is reserved.  
By order of Commissioners. JOSEPH B. HUMPHREYS,  
Auditor.

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Table for PAINTS AND OILS, listing various colors and finishes.

Table for SLATE, listing Purple roofing and Green slate.

Table for SOLIDERS, listing No. 1 and No. 2.

Table for TIN PLATES, listing I. C. charcoal and I. C. coke.

Table for ENGRAVINGS FROM LANDSEER, listing various works.

Table for RAPHAEL PICTURES, listing various studies.

Table for MEDIEVAL FOLIAGE, listing various designs.

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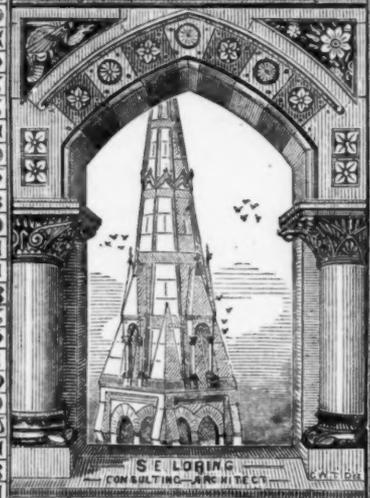


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**BUILDING INTELLIGENCE.**

[Reported for the American Architect and Building News.]

**FIRE RECORD.**

Showing how buildings recently burned are to be replaced.

**CINCINNATI, O.**—J. & A. I. Moore's moulding and looking-glass factory, which was burned May 27, is to be replaced by a five-story brick building 60' x 90'.

**HONTZDALE, PENN.**—The buildings destroyed by the fire of May 24 are to be replaced as follows: Mr. I. D. Sprout has already commenced building on the ruins, size of building 18' x 32', material frame, architect I. D. Sprout. George Hagerty, brick, on old foundation, dimensions 40' x 50'. Pat. Tamrey, 18' x 36', material brick, architect Samuel T. Henderson. J. M. Jordan has not yet decided to rebuild. I. D. Sprout's building will be used as a millinery store. George Hagerty's building will be used as a dwelling and grocery store; Pat. Tamrey's as a dwelling.

**MARION, O.**—The Masonic Hall, which was destroyed by fire May 4, is to be replaced by a three-story brick building, 42' x 70', which has a one-story rear building, 42' x 62', each covered by a metal roof. The first floor to be used for stores, the second for offices, and the third for a hall.

**OSCODA, MICH.**—The buildings belonging to the Oscoda Salt and Lumber Co. which were burned May 30, are to be replaced by a wooden building, 200' x 275', covered with a gravelled or metal roof, to be used as a salt manufactory by steam evaporation; by a two-story wooden building, 75' x 120', having a gravelled or metal roof, to be used for the preparation of pine lumber; by a brick engine-room 52' x 90'; by a one-story wooden planing mill, 50' x 60'; and by a one-story cooper shop, 26' x 80'. All are to be built by the company, from plans prepared by H. N. Loud.

**ST. STEPHEN, N.B.**—The buildings of the New Brunswick and Canada Railroad Company which were burned May 14 will be replaced by a passenger depot, 90' x 30'; a car-shed, 120' x 30'; a freight-shed, 120' x 25'; and a repair-shop, 80' x 25'; all to be of wood. They are to be erected by G. Hamilton from plans of H. Osburn.

**SUMMARY OF THE WEEK.**

Reports from the Principal Cities and Towns of the Country.

**Boston.**

**BRICK BUILDINGS.**—The following is a list of brick buildings for which permits have been issued since June 13:—

G. W. Pope, store and offices, 12 and 14 Hawley, and 21 to 25 Arch Street; also store and offices on Milk Street, between Hawley and Arch; both structures on land owned by Jacob Sleeper. The size of the former will be 52' x 75', and of the latter, 38' x 85'.

W. W. Lewis, architect, is to erect a dwelling, 28' x 60', on Commonwealth Avenue, near Fairfield Street.

A. Pease will build a dwelling, 21' x 37', on Fort Avenue, opposite Beech Glen Avenue.

**FRAME BUILDINGS.**—The number is unusually small this week, only seven being recorded. The names of the builders are: McNeil Brothers, Jacob Yenick, James Brown, Matthew Toomey, John Earley, Samuel W. Davenport. A majority of these are dwellings. Most of these are in the newly-annexed wards.

**REPAIRS.**—During the week thirty-eight permits have been issued for the enlarging of buildings, the erection of additions, and for alterations for business purposes.

**HARDWARE MARKET.**—The market for hardware is dull. Certain changes looked for July 1, which will probably be reductions in prices, cause buyers to wait until that time. Though there is nominally no change in the price of nails, the market has weakened, and buyers of any considerable quantities would undoubtedly obtain a concession of ten cents to fifteen cents per cask.

**MISSION CHAPEL.**—The Universalist Society at Roxbury is to build from the designs of Mr. George M. Harding, architect, a chapel for mission purposes, near Grove Hall. The building will be of wood, the dimensions of the ground-plan of the body of the church being 59 x 41 feet, and this will be extended by the chancel at the rear and the tower at the corner in front, the latter having a height of about 100 feet. The building will seat 300 people. Mr. Harding, the architect, is the author of the plans, recently accepted, for the new Masonic Temple in Belfast, Me.

**A NEW MORTUARY CHAPEL.**—At Calvary Cemetery, Messrs. Kelley and Killion, masons, are to build from the plans of Mr. W. P. Wentworth a mortuary chapel. The style is plain Gothic, and the edifice will be built of Roxbury stone, with wrought work of granite and Nova

Scotia stone. The outside dimensions will be thirty by fifty feet. The interior will have an open timber roof, the whole to be finished in ash. The sanctuary containing the altar will have a sacristy and waiting-room on either side. The altar will be raised four feet from the floor of the nave. The body of the chapel will accommodate 115 persons.

**Brooklyn.**

**A NEW BAPTIST CHURCH.**—The old stuccoed church at Clinton and Pierrepoint Streets, for a long time known as the "Church Edifice," in a few days is to be torn down, and in its place will be erected the new building of the First Baptist Church. The work of building will begin as soon as possible, and be rapidly prosecuted. The new building is to be of brick and stone, and will be 92 feet square on the inside, with a seating capacity of over 1,200. The ceiling will be of iron in a series of groins, averaging 40 feet from the floor. On a platform will be placed the organ, partially under which will be the marble baptistery. The basement will have a lecture-room and eight class-rooms.

**Cleveland, O.**

**CHURCH.**—Mr. Blythe is making additions to the edifice of the Heights Congregational Church, to cost \$12,000. Fifty new seats will be added to the auditorium, and in the rear there will be the pastor's study, ladies' parlors, and kitchen.

**DRYER.**—The Cleveland Dryer Co. are rebuilding their works destroyed by fire in April last. The new factory will be 60' x 250'.

**DWELLINGS.**—A fine residence is going up on Bond Street for Mr. Waldemar Otis. The street front is of brick, with stone trimmings. It will cost about \$10,000.

A fine residence is to be built upon Euclid Avenue for Styles Smith, Esq. It is to cost about \$22,000. Mr. Jos. Ireland is the architect.

**GIRLS' INDUSTRIAL HOME.**—A family building for this institution is to be built at Delaware, O. It is to be two stories in height, of brick, 80 feet front, with two retreating wings 74 feet deep.

**IRON FRONT STORE.**—Walter Blythe, architect, is preparing plans for a block for wholesale business purposes on St. Clair Street. It is to be commenced as soon as the drawings are ready. It will be 66 feet front, 110 feet deep, and five stories in height above the basement. The front will be of cast iron, and will be designed so as to admit as much light as possible, consistent with the requisite strength. Mr. Oscar Townsend is the owner.

**WATER WORKS.**—The Department of Water Works are to remove their quarters to the City Hall building. The counters, office-furniture, and alterations are being estimated upon at the office of Walter Blythe, architect.

**Chicago.**

The following is the list of buildings for which permits have been issued during the week ending June 16:—

Jefferson Park Presbyterian Church, new church edifice, 76 x 108 feet, Adams and Throop Streets. Material, press brick with Aux-Sable stone trimmings. Cost \$30,000. Seating-capacity 800. J. C. Cochrane, architect.

John Szouch, two-story and basement brick dwelling, 21 x 48 feet, at 23 Dickson Street. Cost, \$4,000.

George C. Cook, two-story basement and attic brick dwelling, 28 x 52 feet, Indian Avenue and Eighteenth Street. Cost, \$8,000. Burling & Adler, architects.

B. A. Barnero, two-story and basement brick store, 26 x 50, Elm and Clark Streets. Cost, \$2,500. W. J. Edbrook, architect.

L. J. Kadish, brick swimming school, 38 x 172 feet, one story 38 feet high, Michigan Avenue and Jackson Street. Cost, \$20,000. A. Rudolph, architect.

Alonzo Stephen, 4 three-story and basement brick stores and dwellings, each 20 x 60 feet, Jackson and Desplaines Streets. Cost, \$20,000. Cobb & Beers, architects.

John A. Yale, four-story and basement stone-front store and Masonic Hall, 41 x 90, Halstead and Pearce Streets. Also four-story and basement dwelling, 40 x 50. Also 3 three-story and basement, stone-front stores and dwellings, each 20 x 70 feet, on Halstead Street adjoining the above. Cost of block, \$50,000. A. Wadskel, architect.

Field, Leiter, & Co., four-story and basement brick barn, 50 x 102 feet, at 52 and 54 Pacific Avenue. Cost, \$12,000.

C. C. Wallin, 2 three-story and basement brick, stone-front dwellings, each 25 x 48, Dearborn Avenue and Schiller Street. Cost, \$15,000. H. Rehboldt & Co., architects.

Thomas Cochol, two-story and basement brick dwelling, 22 x 52, Centre Avenue, near Sixteenth Street. Cost, \$3,000.

A. P. Johnson & Co., five-story brick furniture factory, 38 x 80 feet, 33 Phillips Street. Cost, \$8,000.

George Hoehn, two-story brick store and dwelling, 25 x 60, State Street, near Thirty-third Street. Cost, \$3,000.

Jewett E. Rucker, three-story and basement stone-front dwelling, 20 x 60, at 403 Superior Street. Cost, \$7,500. L. G. Hallborg, architect.

Total for the week, 21 buildings. Cost, \$183,000. Permits issued for improvements and additions to buildings already built to cost \$27,000.

**Milwaukee.**

**REVIEW OF THE MONTH.**—During the month of May building projects were quite active, and gave promise of a busy season. Several contracts were made, but at very low figures; and it is hard to see how the contractors can make the two ends meet, although materials and wages are below the average of last year. At present there seems to be a lull in the business, as there is not much that is new in the architects' offices. Since the beginning of May contracts for the following buildings have been made: H. C. Koch & Co., architects. A double brick store for W. Fink, East Water Street, \$6,500. A brick-cased dwelling for G. W. Sheppard, Prospect Street, \$6,800. A double brick dwelling with stone front for B. Markwell, Division Street, \$14,000. A brick-cased dwelling for C. Simonds, Milwaukee Street, \$2,500. A small frame store for T. Delaney, corner Buffalo and Jackson Streets, \$2,000.

**BANK BUILDING.**—H. C. Koch & Co. have also made plans for a bank building for Charles City, Io., estimated cost \$12,500.

**STORES.**—E. T. Mix, architect, a block of three brick stores, stone fronts, for Dr. Bartlett and S. Bryant, Milwaukee Street, \$17,000; two brick stores with stone fronts adjoining the above, for J. C. Stevens, \$12,000. The five stores are 100 feet front. A three-story brick building for Dr. Bartlett, Jefferson Street, \$12,000. This building is arranged to accommodate patients afflicted with disease of the eye and ear, the doctors' offices being also in the building.

**VILLA.**—Mr. Mix has just completed the plans, and let the contract, for a Gothic villa (Early English) to be built in Racine for B. M. Erskine. Mr. Bradley, a builder of Racine, is the contractor, the cost \$25,000 exclusive of plumbing, heating-apparatus, hardware, mantles, etc. The design is excellent. It is to be built of brick, faced with Racine pressed brick which closely resembles the well-known Milwaukee cream-colored brick, and trimmed with Ohio sandstone. The portico columns will be Minnesota granite, which is often mistaken for Scotch granite.

**COTTAGE.**—Mr. Frank Whitnall, the florist, is building a frame cottage adjacent to his greenhouses on the banks of the Milwaukee River, a place known to all lovers of flowers in Milwaukee. Cost \$3,000.

**Newport, R. I.**

**THE WATER WORKS.**—Mr. Norman has begun again in earnest upon his water-works. The engine-house is to be built at once; it will be a brick structure, with a slate roof; the interior to be divided into two rooms, one 28 x 39 feet for an engine-room and the other 28 x 29 feet for boiler-room. The building will be of fine architectural proportions, and after designs by Dudley Newton. Mr. Norman has a large force at work upon the embankment, and will set the dredging machine at work at once. The main pipes from the pond to connect with those previously put down are being laid, and the whole business of introducing water is being driven with all possible despatch.

**New York.**

**BUILDINGS PROJECTED FOR WEEK ENDING JUNE 19.**—Ten in number, consisting of stores, dwellings, flats, etc. Total value, \$105,000.

Owners.	Architects.	Builders.
I. B. Squire .....	L. B. Lynn .....	.....
W. B. Seale .....	W. P. Beardall .....	Walker & Gelston ..
Charles Dickman .....	.....	.....
G. N. & M. A. Williams .....	W. & J. Jardine .....	.....
Geo. Abscheidelen .....	A. Pfund .....	M. Lapp .....
City of New York .....	Douglas Smyth .....	H. Wallace .....
Charles Johnson .....	W. & J. Jardine .....	J. T. Conover .....
Peter Hansen .....	F. W. Kent .....	Jno. Schmitt .....
A. Seaman .....	A. M. McKean .....	.....
H. B. & J. L. Ely .....	Theo. A. Tribit .....	F. Bloodgood .....

**THIS YEAR'S WORK.**—Thus far this year specifications for 409 buildings have been submitted. Last year, before June 9, specifications for 415 had been submitted.

**SCHOOLHOUSE.**—The Board of Education last evening resolved to erect a new school building in the Sixteenth Ward at a cost of \$50,000.

**JEFFERSON MARKET PRISON.**—The Commissioners of Public Works are ready to transfer the Jefferson Market Prison to the Commissioners of Charities and Correction. The latter body have declined to take charge of the building on the ground that they have no funds with which to pay the general expenses of the same. The Tombs are now over crowded, and this building should not remain idle.

**St. Louis.**

**NEW BUILDINGS.**—11 permits have been issued for the week ending June 13. Those for

buildings valued at \$2,500 and over were issued to H. Henselmeyer, two-story store and dwelling, \$3,900; M. Scott, two-story dwelling, \$3,000; L. Harrigan, two-story dwellings, \$3,000; G. Helms, two-story dwellings, \$4,300; George Pomeroy, three-story dwelling, \$6,000; A. F. Ghis, two-story dwelling, \$3,000; R. S. MacDonald, three-story store and office building, \$7,000; J. Shields, two-story store and dwelling, \$5,000; L. Greensfilter, two-story store and dwelling, \$3,000; R. Halladay, two-story dwellings, \$2,600; J. H. Simpson, two-story dwellings, \$5,000.

General Notes.

BATH, ME. — On June 13 was laid the cornerstone of the new Soldiers' Home.

BRIDGEPORT, CONN. — Bridgeport papers think that Glover, Sanford, & Co. will rebuild on the site of their old building.

CHILLICOTHE, O. — A new jail and jailor's residence is to be built at Chillicothe, O. Proposals are advertised for.

HOBOKEN, N. Y. — The cornerstone of the new edifice of St. Matthew's Evangelical Lutheran Church was laid on the 17th inst. Ground was broken for the new church at Grand and Hudson Streets in April, and the basement floor is now laid. The church will be of Philadelphia brick, with Ohio stone trimmings. It will have a tower and spire in the centre 150 feet high. Jardine & Sons of this city are now building an organ at a cost of \$3,000. The probable cost of the new church, exclusive of ground, will be \$32,000. It will be completed about Nov. 1. Henry Englebert of this city is the architect.

IRONTON, O. — A fine iron bridge is to be built over Ice Creek, above Ironton, where it is badly needed, to be completed Nov. 1. It is estimated to cost \$15,500.

MANCHESTER, N. H. — The city government has appropriated \$20,000 for a soldiers' monument.

NORWICH, CONN. — A lady has offered a plot of ground upon which to erect a city hospital.

ONEIDA, N. Y. — Oneida Community is constructing a building with forty sleeping-rooms, to accommodate the people from the recently broken-down Willingford Community, Conn.

RICHMOND, VA. — Two hundred stone-cutters are to be put at work at the granite yards opposite Rocketts, at Richmond, Va. A new contract for the Department buildings at Washington has been given out.

STERLING, MASS. — An alms-house is to be built. Cost, \$4,000.

ST. BERNARD, O. — The cornerstone of the new schoolhouse about to be erected by the Society of St. Clemens' Church was laid on Sunday afternoon, June 10, by Archbishop Purcell.

WATERBURY, CONN. — Mr. H. Bissell, mason, and Mr. Pinney, carpenter, are building a church for the Methodists from designs prepared by Mr. George Keller, architect.

The outside walls are to be of Plymouth granite up to the level of the audience-room floor, and above that to be of brick, with cut brown stone and terra-cotta tiles and bands for the decorated parts of the work. The church proper will accommodate 1,000 persons. The choir is placed on one side of the pulpit and the vestry on the other. The organ occupies an arched recess behind the pulpit. The church is lighted by large stained glass windows on three sides. The Sunday school building is one of the largest in the country. The ground floor is devoted to rooms for social purposes, and the Sunday school room is on the floor above. There are two tiers of class-rooms surrounding the lecture-room and opening into it, so arranged by folding and sliding sash-doors as to form distinct class-rooms, or to form part of the lecture-room. The lecture-room, when used in connection with the class-rooms, will give accommodations for about eight hundred persons. The buildings are designed in the Gothic style.

INDEX OF CURRENT WORK.

Giving information concerning important buildings now unfinished.

Boston, Mass.

CHURCH. — Cost, \$75,000. Mr. John Welch, architect, Brooklyn, N. Y.

FAMILY HOTEL. — O. Wentworth, builder.

HOTEL. — Hotel Sumner. E. B. Horn, owner. Messrs. Appleton & Stephenson, architects, Boston, Mass.

Brooklyn, N. Y.

GAS WORKS. — Starr & Son, contractors, Camden, N. J.

Chicago, Ill.

APARTMENT HOUSE. — C. P. Thomas, architect. \$16,000.

STORE. — D. W. Kendall, architect. \$32,000.

Cincinnati, O.

STORE. — Alms & Doecke, owners. Hannaford & Procter, architects.

Cleveland, O.

CHURCH. — Second Presbyterian Church. Mr. Jos. Ireland, architect.

SCHOOLHOUSE. — Brooks & Linus, contractors. L. T. Scofield, architect. \$73,890.

CHURCH. — St. Bridget's Roman Catholic Society. Dunn & Charlott, architects. \$30,000.

ASYLUM. — Home for Aged Poor. Cudell & Richardson, architects, Cleveland, O.

APARTMENT HOTEL. — Burgert, owner. Cudell & Richardson, architects, Cleveland, O.

Indianapolis, Ind.

CHURCH. — Second Presbyterian Church. B. V. Enos & Son, architects.

New Haven, Conn.

FACTORY. — Seamless Rubber Co., owners.

OPERA HOUSE. — New Haven Opera House Co. Nicholas Countryman, contractor.

New York.

CHURCH. — Roman Catholic Church, West Fifteenth Street. Cost, \$150,000.

Philadelphia.

CHURCH. — Church of the Transfiguration, Rev. J. K. Kayes.

CHURCH. — South-street Presbyterian Church.

General.

ANN ARBOR, MICH. — Court House. Mr. Bunting, architect, Indianapolis, Ind.

ARCADIA, WIS. — Court House and Jail. C. G. Mayberry, architect, Winona, Minn. \$25,000.

BELFAST, ME. — Masonic Temple. G. M. Harding, architect, Boston, Mass.

CAMBRIDGE, MASS. — Dormitory, \$180,000.

CONCORD, MASS. — State Prison.

DANVILLE, IND. — Poor Asylum.

DOVER, N. H. — Cotton Mill. Cochecho Manufacturing Co., owners.

EAST HARTFORD, CONN. — Catholic Church.

FARIBAULT, MINN. — Deaf, Dumb, and Blind Asylum. J. Babcock & Co., contractors. \$53,430.

FITCHBURG, MASS. — B. C. F. & N. B. R. R. Depot.

GALVESTON, TEX. — Cotton Exchange. Gibbs & Moser, architects.

HARTFORD, CONN. — Seminary building. Hartford Theological Seminary.

HOBOKEN, N. J. — St. Mathew's Church. Mr. H. Englebert, architect, New York.

HOLYOKE, MASS. — Hotel and Opera House. William Whiting, owner.

KANSAS CITY, KAN. — Union Depot. A. B. Cross. \$200,000.

LAKE CITY, MINN. — Church for the Irish Catholic Society. Cost, \$15,000.

NORTHAMPTON, MASS. — Church. Peabody & Stearns, architects, Boston, Mass.

PORTSMOUTH, N. H. — Opera House. Heirs of John W. Peirce.

WARREN, IND. — Court House. Cost, \$100,000.

WASHINGTON, D. C. — Unitarian Church. H. J. Fleming, contractor, Washington. K. G. Russell, architect, New Haven, Conn.

WATERBURY, CONN. — Methodist Church. \$40,000.

WOBURN, MASS. — Town Library. Norcross Bros., Worcester, contractors. Gambrell & Richardson, architects. \$71,625.

ZANESVILLE, O. — Hotel. H. E. Myers, architect. Black & Graham, owners. \$75,000.

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PUBLISHED WEEKLY BY

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Clark & Co.'s Shutters.

The reputation of these revolving shutters has become thoroughly established in this country, and they are largely in use in various sections. They are now to be seen upon some of the most notable buildings in the United States, among which may be named the new Tribune building, the Lenox Library, American News office, Arnold, Constable, & Co.'s store, the Metropolitan Bank, Delmonico's, and others, in New York and elsewhere. The prize medals awarded to this company are as follows: London, 1862; Oporto, 1865; Dublin, 1865; Paris, 1867; Lyons, 1872; Moscow, 1872; Vienna, 1873. The advertisement of Messrs. Clark & Co. will be found on the eighth page.

Hurricane Island Granite.

The attention of architects and builders is called to the advertisement of Mr. Davis Tillson, elsewhere in this paper. The granite produced on "Hurricane" has strong indorsements from architects and builders throughout the country. Although these are called "dull times," about four hundred men are now employed at the quarries, and several large contracts in different parts of the country are in hand. It is claimed that the largest blocks in the world can be got out here. Mr. Tillson uses nine steam engines, and some of the largest cranes in the country, run by steam. The granite is similar to the best quality "Cape Ann." The quarry was opened in 1870, and at times as many as one thousand men have been employed. The superstructure of the new St. Louis Court House is of this stone.

PROPOSALS.

BIG DARBY, O.

SCHOOL HOUSE. — The Local Directors of Sub-District No. 19, Prairie Township, Franklin County, O., will receive proposals until noon, June 29, 1877, for the erection of a Brick Schoolhouse near Big Darby, 1 1/2 miles south of the National Road. The bids must be in conformity to law, and the Board may reject any or all bids. The plans and specifications may be seen at the residence of J. H. Chambers, near Alton. GEO. KOEBLE, A. A. JOHNSTON, J. F. SIDNER, Building Committee. 75

FALLS OF ST. ANTHONY, MINN.

LUMBER AND STONE. — Separate duplicate sealed proposals will be received by the undersigned until two o'clock P. M., June 25, 1877, for the following materials at the Falls of St. Anthony: I. For furnishing 850,000 feet B. M., (more or less) of pine lumber. II. For furnishing and putting in place at the foot of the Apron 600 cor's (more or less) of Builders. For all information apply to F. U. FARQUHAR, Major of Engineers, United States Engineer Office, St. Paul, Minn. 73

STEAM HEATING APPARATUS.

CARBONDALE, ILL.

Proposals for steam heating apparatus to be introduced into the Southern Illinois Normal University at Carbondale, Ill.

Bids will be received for the above purpose by the Trustees of said institution at their office in Carbondale until July 3, 1877. All bids should be indorsed on the envelopes, "Proposals for Steam-heating," and directed to the "Secretary of the University" at Carbondale. Plans of the building can be seen at the Secretary's office. The bids will be opened on 31st of July, at 2 P. M. The following is a copy of the second and third sections of the bill making the appropriation, to wit:

SECTION 2. The Trustees of the said Southern Illinois Normal University shall have power to contract with the lowest responsible bidder for putting in said steam-heating apparatus, and shall reserve not less than twenty per cent of the sum agreed to be paid, until there has been practical test made of its capability to do the work required of it for at least four months. The contract shall be awarded only after advertisements have been printed for no less than thirty days in at least one newspaper in the cities of Chicago, Bloomington, Springfield, and St. Louis. The contractor shall be required to give bonds to the people of the State, in a sum double the contract price, conditioned on the faithful performance of his work, and that the heating apparatus shall work satisfactorily to the Trustees for the term of two years from its completion.

SECTION 3. The moneys hereby appropriated shall be paid to the contractor by the Treasurer of the State on the warrants of the Auditor of Public Accounts, and the auditor is hereby authorized and required to draw the said warrants for moneys due under this act on the order of the said Trustees, accompanied by vouchers approved by the governor.

The Trustees reserve the right to reject any bids where the apparatus may not be deemed suitable, or for any other sufficient reason.

JAMES ROBERTS, Secretary. THOS. S. RIDGWAY, President. Carbondale, Ill., May 23, 1877. 79

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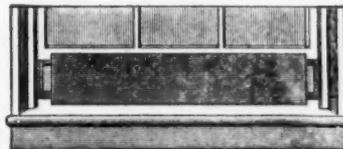
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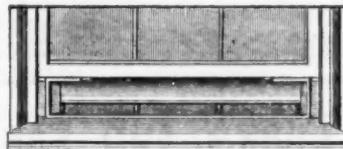
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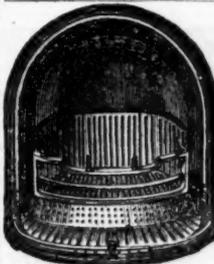
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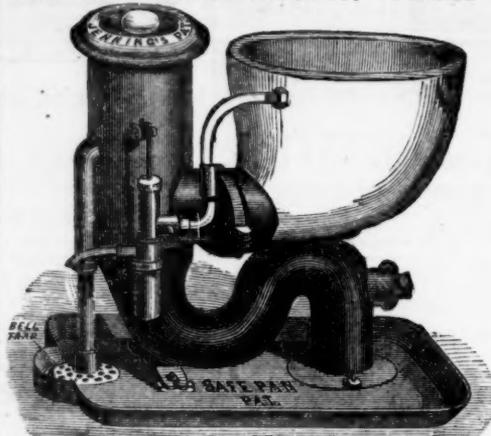
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SATURDAY, JUNE 30, 1877.

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HEATING AND VENTILATING BY HOT WATER  
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IRON WORK. CHARLESTON, S.C. Proposals for the Iron Work of a Light House to be erected on Fort Ripley Shoal, Charleston Harbor, S. C. OFFICE OF THE LIGHT HOUSE ENGINEER, CHARLESTON, S. C., June 29, 1877.

Sealed proposals, made on forms furnished for the purpose will be received at this office until 12 o'clock of July 29, 1877, from iron manufacturers, for furnishing the materials and labor of all kinds necessary for the completion, in accordance with the specifications and drawings, of the Metal Work for a screw pile Light-House to be erected on Fort Ripley Shoal, Charleston Harbor, S. C., the same to be delivered at the expense of the contractor, on board of a vessel or vessels at any port stated by bidders near to the manufacturer's workshops, and accessible to such vessels. Each bid must be accompanied by a bond signed by the bidder and two competent sureties, in the sum of two thousand dollars (\$2,000), that in the event of the acceptance of such bid, the necessary contract will be entered into within ten (10) days after notice has been given that the bid has been accepted. A copy of the specifications must be enclosed with the bid as evidence of the object of the proposal. Plans, specifications, forms of proposals, and full information in regard to the work, may be obtained from the undersigned. The right to reject any or all bids, or to waive defects, if it be deemed for the interests of the government to do so, is reserved. All proposals must be signed, sealed, and indorsed, "Proposals for the metal-work for a screw-pile light-house for Fort Ripley Shoal, Charleston Harbor, S. C.," and then enclosed in another envelope, and directed, prepaid, to the undersigned. W. A. JONES, Capt. of Engineers, U. S. A., Engineer 6th Light-House District.

PROPOSALS.

IRON WORK.

Sealed proposals will be received at the County Commissioners' office, Cincinnati, O., until Tuesday, July 3, 1877, at 12 o'clock M., for lining the ceiling of the corridors of the Jail with boiler iron. Specifications can be seen at this office. The right to reject any or all bids is reserved. By order of the Commissioners, JOSEPH B. HUMPHREYS, Auditor of Hamilton County, O.

Sealed proposals will be received at the County Commissioners' office, Cincinnati, O., until Tuesday, July 3, 1877, at 12 o'clock M., for erecting a Gas House and Gas Fixtures, all complete and ready for use, for Court House and Jail. Specifications can be seen at this office. The right to reject any or all bids is reserved. By order of Commissioners, JOSEPH B. HUMPHREYS, Auditor.

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PROPOSALS.

CHEMICAL LABORATORY.

URBANA, ILL. Bids will be received for the erection of a Chemical Laboratory for the Illinois Industrial University at Urbana, Ill., by the Trustees of said University, on THURSDAY, the 10th day of July, 1877, at the University, Urbana, Ill. Plans and specifications will be at the office of their consulting architect, Chicago, Ill., Mr. J. M. Van Osdel, 41 Clark Street, from June 19 to June 25, and at the University from June 27 to July 9, 1877. The Trustees reserve the right to reject any or all bids. EMOLEY COBB, President of the Board of Trustees. Urbana, Ill., June 6, 1877. 79

BUILDING FOR GIRLS' INDUSTRIAL HOME.

DELAWARE, O. Sealed proposals will be received by the Board of Trustees of the Girls' Industrial Home, at the office of the Secretary, in Delaware, until 12 o'clock, M., on FRIDAY, July 13, 1877, for furnishing materials and building on the premises of the institution, at White Sulphur Springs, Delaware County, Ohio, a new Family Building. Bids to be indorsed "Proposals for Family Building at Girls' Industrial Home," and addressed to A. Thomson, Delaware, Ohio. The building is to be two stories, of brick, eighty feet front, with retreating wings on either side, seventy-four feet from the front. The drawings and specifications can be seen at the store of Cox & Stayman, in Delaware, and a copy of the specifications obtained on application to the Secretary, by those wishing to bid. All proposals must be accompanied with a bond of the bidder, with sufficient sureties, conditioned that if said proposal shall be accepted a contract will be duly entered into with bonds and sureties that the work as specified shall be faithfully performed. Proposals will be received for the entire work in one bid, or for the several kinds of work separately. The Trustees reserve the right to reject any or all bids, or to accept one for the entire work which may not be less than other or combined bids of the separate branches of work, if in their opinion it is for the interest of the State to do so. Estimates will be made monthly for partial payments as the work progresses - in manner required by law. The contract will require prompt work, and completion of the building by the first of December next. By order of the Board of Trustees, A. THOMSON, Secretary. June 14, 1877. 80

SCHOOLHOUSE.

XENIA, O. Notice is hereby given that sealed proposals will be received at the Superintendent's office of the Soldiers' and Sailors' Orphans' Home, Xenia, Greene County, Ohio, up to 1 o'clock, P. M. of August 3, 1877, for furnishing material and labor required in the construction of a schoolhouse on the Home grounds. Proposals must be in accordance with plans, specifications, &c., now on file with the auditor of State, at Columbus, and a copy of which may be seen, during office hours, at the office of the Superintendent of the Home. Each proposal must be accompanied with a good and sufficient bond in the sum of \$1,000, conditioned that the bidder or bidders will, if awarded the contract, give bond as required by law, for the faithful fulfillment of the same. Proposals under the different kinds of work, as shown by the plans, specifications, &c., must be for both material and labor. Contractors will be paid in monthly estimates, less five per cent as required by law, until the completion of the work. Said building will be required to be enclosed by the first day of December, 1877, and fully completed by the first day of July, 1878. The Board of Trustees reserve the right to reject any or all bids. By order of the Board of Trustees, WM. S. FURAY, Secretary. (Attest) 81

GAS HOUSE.

CINCINNATI, O. Sealed proposals will be received at the County Commissioners' office, Cincinnati, O., until Tuesday, July 3, 1877, at 12 M., for erecting a Gas House and Gas Fixtures, all complete and ready for use, for Court House and Jail. Specifications can be seen at this office. The right to reject any or all bids is reserved. By order of Commissioners, JOSEPH B. HUMPHREYS, Auditor.

CARPENTRY.

PROVIDENCE, R. I. Sealed proposals for the CARPENTRY AND CONTINGENT WORK in the New City Hall Building will be received by the City Hall Commissioners, at their office, No. 5 What Cheer Building, Providence, R. I., until 12 o'clock M., July 9, 1877. For plans, specifications, forms of proposal, and bond, apply to the Commissioners as above, or to the architect, S. J. F. Thayer, No. 40 Water Street, Boston, Mass. To secure the return of the plans, a deposit of \$75 is required. Each proposal must be accompanied by a bond in the sum of \$3,000 that a contract will be signed within ten days of the reception of the bids. The party to whom the contract may be awarded will be required to execute a satisfactory bond in the sum of \$20,000 for the faithful execution of the work. The Commissioners will not necessarily accept the lowest or any proposal. W. H. BOWEN, HENRY G. RUSSELL, WM. M. BAILEY, City Hall Commissioners. 80

BRICK WORK.

NORTH ADAMS, MASS. MANAGER'S OFFICE. TROY & GREENFIELD R. R. AND HOOSAC TUNNEL, NORTH ADAMS, MASS. JUNE 12, 1877. Sealed proposals will be received at this office up to noon of June 26, inst., for building the facade at the east portal of the Hoosac Tunnel. Also for building about seventy feet in length of Arch at the west portal of the small Tunnel near the village of North Adams. Plans can be seen and specifications procured by applying to W. F. GRANGER, Chief Engineer, at this office, after the 15th inst. The right is reserved to reject any and all bids. June 14 81 J. PRESCOTT, Manager.

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BUILDING MATERIALS.

[Reported for the American Architect and Building News.]

THE NEW YORK MARKET.

WHOLESALE PRICES.

Table listing brick prices: BRICK, Nominally. Carga afloat. Pale, Jersey, Up-River, Haverstraw Bay, choice, Haverstraw Bay.

Table listing front prices: CROTON - Brown, Dark, Red, Philadelphia, Trenton, Baltimore. For delivery, add \$5 on Philadelphia and Trenton, and \$6 on Baltimore.

Table listing cement prices: CEMENT. Rosendale, Portland, Roman, Keene's coarse, Keene's fine.

Table listing fire brick prices: FIRE BRICK. Red Welsh, Scotch, American.

Table listing doors and blinds prices: DOORS AND BLINDS. DOORS, RAISED PANELS, TWO SIDES. 2.0 x 6.0, 2.6 x 6.0, 2.6 x 6.8, 2.8 x 6.8.

Table listing doors and blinds prices: DOORS, MULDERS. Size, 2.0 x 6.0, 2.6 x 6.0, 2.6 x 6.8, 2.8 x 6.8, 2.8 x 7.0, 2.8 x 7.0, 3.0 x 7.0, 3.0 x 7.0.

Table listing outside blinds prices: OUTSIDE BLINDS. Per lineal foot, up to 2.10 wide, up to 3.1 wide, up to 3.4 wide, painted and trimmed.

Table listing inside blinds prices: INSIDE BLINDS. Per lineal foot, 4 folds, Pine, Ash or Chestnut, Cherry or Butternut, Black Walnut.

Table listing window frames prices: WINDOW FRAMES. Up to 3.4 x 7.2, put together. HAIR - Duty free. Cattle, Goat.

Table listing lime prices: LIME. State, common, cargo rate, State, finishing, Rockland, finishing, Ground.

Add 25 c. to above figures for yard rates.

Table listing latih prices: LATIH - Cargo rate.

Table listing lumber prices: LUMBER. Pine, very choice, and extra dry, Pine, good, Pine, fully planed, Spruce boards, dressed, Spruce plank, 1 in., dressed, Spruce plank, 2 in., Spruce timber, Hemlock boards, A-h, good, Oak, Chestnut, Black walnut, good to choice, Black walnut, 1 in., dressed and seasoned, Cherry, good, White wood, chair plank, White wood, m-b, Shingles, extra-hull, 18 in., Yellow pine dressed flooring.

Table listing paints and oils prices: PAINTS AND OILS. Whiting, Paris white, English (gold), Zinc, white, American, dry, Lead, white, American, in oil, pure, Lead, white, American, in oil, pure, Lead, red, American, Litharge, American, Ochre, French, dry (gold), Ochre, in oil (currency), Venetian red, English (gold), Vermilion, American, Quicksilver (gold), Vermilion, Trieste (gold), Chrome yellow, in oil, genuine, dry, Chrome yellow, in oil, Orange mineral, English (gold), Paris green, pure, dry, Putty, pure, Sienna, raw (American), Sienna, burnt (American), Sienna, raw, in oil, Umber, raw, in oil, Black, Lamp, ordinary, Black Paint, in oil, kegs, Black Paint, in assorted cans.

Table listing slate prices: SLATE. Purple roofing slate, Green slate, Red slate, Black slate, Pennsylvania (at Jersey City), Peach bottom (nominally), Slate tiles, 1 1/2 in., rabbet, sq. ft. delivered.

Table listing solders prices: SOLDERS. No. 1, No. 2, TIN PLATES - Duty, 1 1/2-10c. L. C. charcoal, 10 x 14, L. C. coke, 10 x 14.

Table listing charcoal and coke prices: I. C. charcoal, 10 x 14, I. C. charcoal, 14 x 20, I. C. charcoal, 14 x 20, I. C. coke, 14 x 20, I. C. coke, terme, 14 x 20, I. C. charcoal, terme, 14 x 20.

Table listing zinc and lead prices: ZINC - Duty, sheet, 14 lb. 2 1/2c. Sheet (gold) foreign, LEAD. Bar, Sheet, Pipe, Discount, 10 per cent to trade.

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PRICES TO CONTRACTORS AND BUILDERS.

Table listing fire brick prices: FIRE BRICK. No. 1 Boston, Waldo Bros. Extra, Waldo Bros. No. 1, Waldo Bros. No. 2, Jersey, No. 1, Scotch Govan, 2 1/2 in., Scotch Govan, 3 in., English Hancock.

Table listing building bricks prices: BUILDING BRICKS. Eastern, Bay State.

Table listing lumber prices: LUMBER. Michigan pine - Nos. 1 and 2, Saps, Black Walnut - Nos. 1 and 2, Culls, A-h - Nos. 1 and 2, Cherry - Nos. 1 and 2, White wood - Nos. 1 and 2, 3/4-inch, Oak, Butternut - Nos. 1 and 2, Eastern pine - Nos. 1, 2, and 3, No. 3, Spruce - random cargoes scantling and plank, Boards, Hemlock Boards, Laths - Spruce, Pine, Shingles - Spruce, Pine shaved, Sawed extras, 16 and 18 in.

Table listing paints and oils prices: PAINTS AND OILS. Whiting, Paris white, English, Zinc, white, in oil, Lead, white, American, in oil, pure, Ochre, French, dry, Ochre, in oil, Venetian red, Chrome yellow, in oil, Paris green, pure, Putty, Sienna, in oil, Umber, in oil, Umber, burnt, in oil, Umber, raw, in oil, Black, Lamp, Black Paint, in assorted cans.

Table listing lime prices: LIME. Quoted at 80 @ 85 per cask for Rockland and Rockport.

Table listing cement prices: CEMENT. Rosendale, Portland, Roman, Keene's coarse, Keene's fine.

Table listing builders' hardware prices: BUILDERS' HARDWARE. Nails, 10d., 8d., 6d., 4d., 3d., 2d., 1d., 1/2d., 1/4d., 1/8d., 1/16d., 1/32d., 1/64d., 1/128d., 1/256d., 1/512d., 1/1024d., 1/2048d., 1/4096d., 1/8192d., 1/16384d., 1/32768d., 1/65536d., 1/131072d., 1/262144d., 1/524288d., 1/1048576d., 1/2097152d., 1/4194304d., 1/8388608d., 1/16777216d., 1/33554432d., 1/67108864d., 1/134217728d., 1/268435456d., 1/536870912d., 1/1073741824d., 1/2147483648d., 1/4294967296d., 1/8589934592d., 1/17179869184d., 1/34359738368d., 1/68719476736d., 1/137438953472d., 1/274877906944d., 1/549755813888d., 1/1099511627776d., 1/2199023255552d., 1/4398046511104d., 1/8796093022208d., 1/17592186044416d., 1/35184372088832d., 1/70368744177664d., 1/140737488355328d., 1/281474976710656d., 1/562949953421312d., 1/1125899906842624d., 1/2251799813685248d., 1/4503599627370496d., 1/9007199254740992d., 1/18014398509481984d., 1/36028797018963968d., 1/72057594037927936d., 1/144115188075855872d., 1/288230376151711744d., 1/576460752303423488d., 1/1152921504606846976d., 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*This particular brand of Roofing, combining with former methods the valuable improvements originating with and adopted by this Company, is confidently recommended to the public—after a quarter of a century of practical experience in manufacturing—as the best, most durable, and least costly of any Fire and Water proof Roofing adapted to the covering of flat roofs. When applied in the manner prescribed, and by our own experienced Roofers, who are located at all important points in New England, and who are thoroughly informed in all details of its application, its reliability and superiority cannot be questioned.*

This Roofing is approved and recommended by many of the most prominent Architects and Builders throughout the country. It has been extensively used in recovering the elegant structures erected upon the burnt district of Boston since the great fire of 1872, more than TWENTY ACRES being covered with it, during the year succeeding that disaster.

We submit copies of a few certificates, originals of which, with many others, are on file at our office, and addressed to New England Felt Roofing Company.

You covered with your material, eighteen years ago, the roofs of our Factories and Foundry; and during that time they have given us entire satisfaction, and the expense of keeping them in repair (about 20,000 feet) has not exceeded ten dollars a year.

Truly yours,

H. H. ELWELL, Supt. Norwalk Lock Co.

I have had your Roofing in use on a Cotton Picker building about fifteen years, and on other buildings less time. For flat roofs, I know of nothing of equal value.

SAMUEL FAY, Treasurer Lowell Manufacturing Co.

For nearly twenty-two years I have been conversant with the workings of your Roofing material. During this period I have used it upon many costly structures erected for public and for private use; among which may be included the Free City Hospital and Cathedral Building in this city, and the State House at Concord, N.H.

I have great confidence in its value and durability.

GRIDLEY J. F. BRYANT, Architect.

For the past twenty-two years I have had frequent opportunities for witnessing the merits of many kinds of Composition Roofing for flat roofs, and have had your Roofing applied to a number of first-class stores in this city with the most favorable results. I am confident in saying that it is the best Composition Roofing in the market for flat roofs.

S. S. WOODCOCK, Architect.

For the past twenty years we have used your Improved Fire and Water proof Roofing for the various buildings in the Print Works, and feel that it is in every way satisfactory. Have heard of nothing equal to it.

JOHN BRACEWELL, Supt. Coheco Manufacturing Co., Dover, N.H.

The "Bee-hive" Felt Roofing as put on to Mills, Blocks, Engine Houses, and Dwellings, for the past nine years, has been a success. I have watched it carefully during that time, and I do not know of a roof thus covered that has required repairing.

I would most cheerfully recommend this Roofing to all persons covering flat roofs. My experience is that it requires a careful and experienced person to put it on.

J. THISSELL, Civil Engineer and Architect, Clinton, Mass.

The "Bee-hive" Brand Felt Roofing applied to the store-houses, sheds, and ventilators of this Mill some eleven years since, has given entire satisfaction. The roofs have been always tight, needed no repairs, and are now in good condition. The former covering was of tin, which was soon rendered useless, owing to the action of acids used in our process of manufacture. Your Roofing is not affected from this cause. I consider it durable and fire-proof, and most cheerfully recommend it to the favorable consideration of all persons using flat roofs.

JOHN H. LEEDS,

Supt. Barytes Works, and President Board of Fire Commissioners,  
New Haven, Conn.

We have used your "Bee-hive Felt Roofing" upon our Factory roof, covering a surface of 225 by 40 feet, for eleven years, during which time it has given perfect satisfaction, there never having been a leakage in the heaviest storms, and it now appears in as good order as when first applied.

Very truly yours, THE SMITH ORGAN COMPANY.

Among the edifices erected under my supervision, and covered with your materials, are the Institute of Technology and the new building of the Natural History Society. My experience for nineteen years is, that roofs covered with it in a proper manner are superior to any thing that I am conversant with, excepting copper.

J. PRESTON, Architect.

I have used your Felt and Composition Roofing upon buildings which have cost from \$3,000 to \$100,000. I consider it the next best to copper, and far superior to tin.

NATH'L J. BRADLEE, Architect.

Your material has been used extensively for many years upon most of the large manufacturing companies in Manchester, N.H., in which I am interested; and we continue to use it in large quantities, and find it has given general satisfaction.

E. A. STRAW.

I have known and used, for over twelve years, the roofs furnished by the New England Felt Roofing Company, and they have in every case given me the best of satisfaction, more especially with buildings near the salt water, where tin is so liable to rust from the salt atmosphere.

I prefer it to any other Roofing I know of, even though the price were greater.

Yours very truly,

GEORGE E. POTTER, Architect, Springfield, Mass.

A large number of the most costly private residences upon the "Back Bay" and in other sections of the City of Boston have been roofed with our material.

For information in detail respecting this material, and best method of applying the same,

Address,

## NEW ENGLAND FELT ROOFING COMPANY,

22 MILK STREET, BOSTON.

LEVI L. WILLCUTT, Treasurer.

# GILLIS, MORISON, & CO.,

*Nos. 110, 114, 118, Oliver Street, 155, 157, High Street,*

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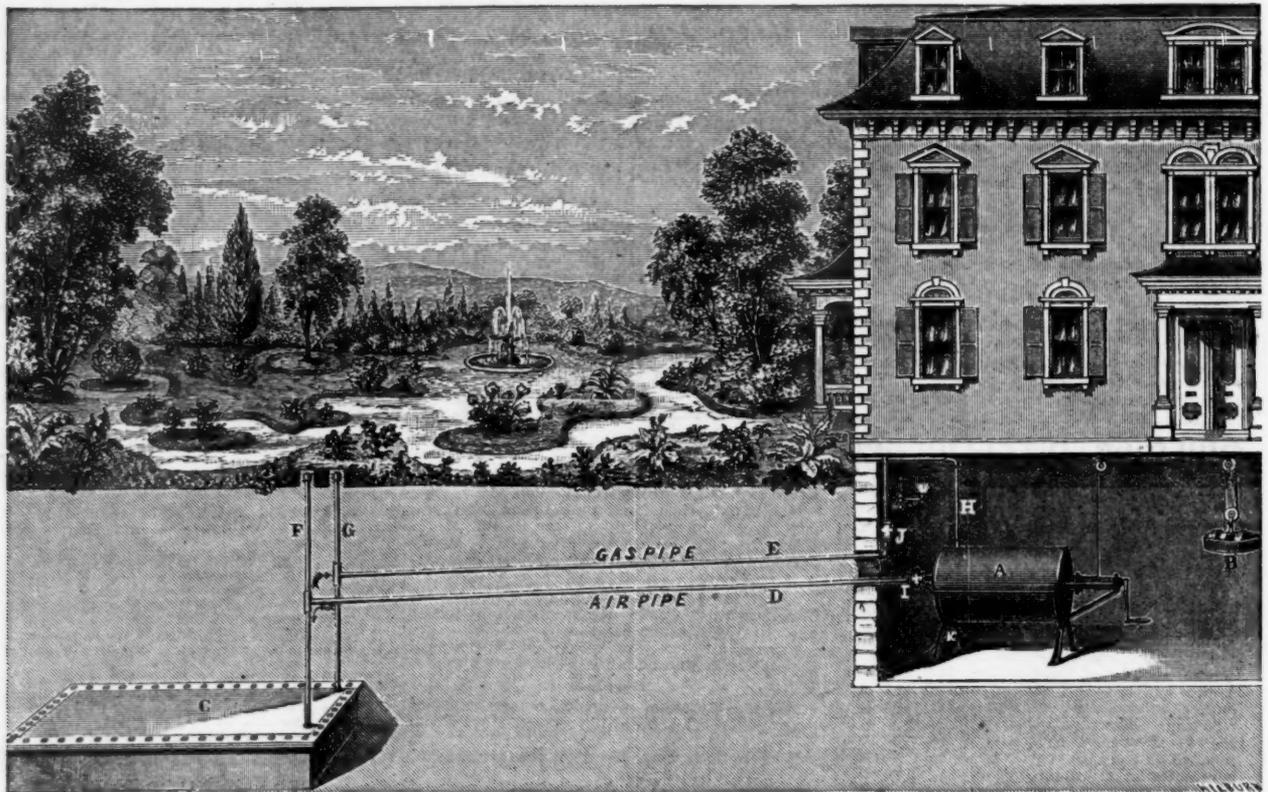


## GAS GENERATORS,

FOR LIGHTING DWELLING HOUSES, PUBLIC BUILDINGS, CHURCHES, MANUFACTORIES, ETC.

WHEN the exhaustless deposits of petroleum in Western Pennsylvania were discovered, Yankee ingenuity, of which there is always an abundant supply, set to work to construct a simple, safe, and effective gas-machine, so as to utilize this cheap hydrocarbon, and give us the stored-up light of the sun at night in our dwellings. The way of the inventor has been rough and thorny; and what at first thought appeared like a simple problem has proved to be an exceedingly difficult one. There was no difficulty whatever in manufacturing gas: any one can do that by leaving a few gallons of gasoline exposed for a brief period in a closed room, where the feat can be demonstrated by striking a match and being blown up through the ceiling. But it was quite important to have gas-machinery that would not admit of any blowing up, and this part of the problem required time in the working. At first the entire apparatus was placed in the house, sometimes in the cellar, sometimes in the attic; but ever and anon there was an explosion, and then domestic gas-machinery became unpopular.

It was also important that a gas-machine should not be a very expensive affair; for, strange as it may appear, people pay for "sinful luxuries" much more cheerfully than they pay for light. If one takes a look at the mansions of the rich at night, he can but note how poorly lighted are the rooms in order that gas bills may be kept down. We are all very much alike in this matter: hence the earlier gas-machines were too costly to admit of their general introduction, even though they had been properly constructed.



The gas-machine, which to the early inventors was a purely ideal affair, has become matter of fact. The accompanying illustration, showing the machine made by the Walworth Manufacturing Company of Boston, requires but little explanation. Gasoline, one of the lighter products of petroleum, evaporates readily when supplied with air. In the cut, C represents a generator containing nearly two barrels of gasoline. This is a small, twenty-light machine, while A is a force-pump. The generator is buried in the ground, and a pipe connects it with the piping of the house, while another pipe enters the cellar, connecting with an air-pump A. This pump is driven by a weight, and requires to be wound up once or twice a week. Air is taken from the outside of the house by the pipe H, and driven through the generator. This machine, supplying twenty burners, costs about three hundred dollars, and where forty burners are required the price is but three hundred and fifty dollars. It will be noted that there is no costly vault of masonry required. The generator, made of heavy cast-iron, is buried deep in the ground, where it will remain for years, needing no attention whatever, more than to be filled as occasion requires. But even if it should become necessary to overhaul it once in two or three years, the cost would be trifling; and for a suburban house, where economy is required, it would be vastly cheaper than the vault plan. The Walworth Company place their machines in vaults when required; but they advise a vault only where there is occasion for a larger machine, and then they apply a patented apparatus for giving to the gas a particularly even quality.

The gas produced by one of these machines is very rich, and burns with a clear, bright flame. Those who use it prefer it to city gas, and it is so cheap that people do not think of trying to economize. The cost of the machine is really inconsiderable (about fifty cents a week), calculating a fair interest on the first investment; and certainly it is a luxury to be allowed to have all the light one wants. When the long winter evenings come on, the house may be aglow with light; and how much of cheer there is in a well-lighted room we all know. The Walworth machine is just the thing for country and suburban houses. All who are interested in the subject should write to the manufacturers for further information.

WALWORTH MANUFACTURING COMPANY, 69 Kilby St., Boston.

Steam and Hot Water Warming, and Ventilating Apparatus, Wrought Iron Pipes and Fittings, Steam Pumps, Boilers, and Engines, Steam and Gas Fitters' Tools and Supplies.

**STUDY OF INTERIOR DECORATION.** — We regret that we have been unable to provide a satisfactory illustration for the twelfth paper on Interior Decoration, and have therefore been obliged to substitute for it a country house at Peekskill-on-Hudson, designed by Mr. W. R. Mead.

**THE EXCAVATIONS AT OLYMPIA.** — Work at the excavations at Olympia was suspended for the season on the 27th of May, but will be resumed in September. One hundred and sixty-five workmen were employed during the last few weeks, and the newly-discovered Temple of Juno was completely cleared of rubbish. The temple was supported by columns, sixteen on each side and six in front. The lower sections of these columns are in good condition. In addition to the Mercury by Praxiteles, a colossal draped statue was found.

**THE DIVISIBILITY OF GOLD.** — We recently spoke of the infinite divisibility of matter, using gold as the example. Mr. A. E. Outerbridge, jun., of the Philadelphia Assay Office, has recently given another example of it, by exhibiting before the Franklin Institute some thin films of gold obtained by electric deposition upon copper, and afterwards detached. These pieces of gold-leaf were transparent, and gave a green color to transmitted light. Mr. Outerbridge has thus produced films of gold so thin that one grain of the metal would cover nearly four square feet. This is 10,000 times thinner than ordinary writing-paper; and 2,798,000 of such films together would only make one inch.

**THE FORMICA PENNSYLVANICA.** — There is a general notion that only tropical countries are infested with ants that are capable of doing serious damage. This, it appears, is a mistake. There is a black "carpenter ant," whose name, *Formica Pennsylvanica*, indicates its residence, that is capable of effecting much destruction in wood-work. The Rev. Dr. McCook has seen a rafter which these ants penetrated to an extent of five or six feet of its length, completely honeycombing it. The rafter was in the roof of a porch. The attention of the Philadelphia Academy of Sciences was called to the matter, as it is evident that such penetration of wooden structures, and especially bridges, might cause their unexpected fall. Wooden bridges need at least as frequent and as thorough inspection as iron structures.

**CYCLOPEAN LINKS.** — Iron links weighing seven and a half tons each, for use at a large cotton-press, are being made at a Reading, Penn., steam forge.

**LICENSED PLUMBERS.** — Somebody has suggested that in view of the spread of zymotic diseases because of defective plumbing, plumbers should be obliged to obtain licenses to carry on their trade, — not such a bad idea in these days when the system of apprenticeship and thorough instruction is almost wholly neglected.

**RAPID BORING.** — A remarkable example of rapidity in deep boring has recently been furnished by the first bore hole put down by a company formed to search for coal in Switzerland. A depth of 1,422 feet was reached in two months, including the re-boring of the upper 640 feet from 3½ inches to 7 inches in diameter. The work was done, including all delays, at a rate of over 1,000 feet per month, the highest speed being nearly 77 feet in 24 hours. The results obtained were negative, the section showing about 1,200 feet of Permian strata resting upon old crystalline rocks; but the trial is only the first of a series.

**FIRES IN JAPAN.** — While thus far this year there have been no fires of extraordinary magnitude in Tokio, the totals for the first four months, which have been compiled from the fire record of the *Choya Shinbun*, speak very severely against the present theories and practice of the fire department. It is astonishing that those interested in the fortunes of the city allow it to be thus ravaged by fires, which, if not so destructive as persons unacquainted with domestic architecture among the Japanese would suppose, are still of incalculable damage to the community. The numerical losses can be summed up in the following table:—

Month.	No of fires.	No. of houses entirely destroyed.	Houses partly burned.
January.....	17	1,809	23
February.....	22	310	23
March.....	7	825	19
April.....	18	1,789	14
Total, 4 months	64	4,433	64

**DECLINE IN THE IRON TRADE.** — From the statistical report of the Secretary of the Iron and Steel Association, it appears that there were in the United States, Dec. 31, 1873, 657 blast-furnaces; Dec. 31, 1876, 714 blast-furnaces. Of the latter number there were in blast only 236, producing for the year 2,093,236 tons, about 800,000 tons less than the product of 1873. The 714 furnaces are represented to be in complete working order, and, if in blast, could produce 5,000,000 tons of pig-iron per annum.

**SLATES.** — To test the absorptive capacity of a slate, it is a good plan to place it on edge in water, leaving half of it above the surface. If the water reaches the top within eight hours, it is porous to a degree. A good slate should not absorb more than one hundredth part of its weight after soaking for twelve hours in water. Slates of a crystalline formation are considered the best. The soundness of a slate can be tested by breaking it: if the fracture presents a splintered and ragged edge, it is sound slate; but if it breaks in a straight line, it is soft. It is said that the quality of slate for roofing improves as it is taken from a lower stratum.

**CEDAR-WOOD.** — The nearer the red cedar which belongs to the juniper family, and is the most common species in the United States, grows to the sea, and the farther southward, the better is the wood.

**BUILDING INTELLIGENCE.**

[Reported for the American Architect and Building News.]

**A RECORD.**

Showing how buildings recently burned are to be replaced.

**BRIDGEPORT, CONN.** — The hat factory recently destroyed by fire will be replaced by a main building 350 ft. in length, 46 ft. wide, and will contain 3 floors. The offices will be the central feature of the building and fire-proof. There will also be several minor buildings, engine houses, etc., connected with the main building. The contractors for masonry are Messrs. Downs & Weed. Work was commenced on the 19th inst., and it is intended to complete the buildings in 60 days. They are to be built in a substantial manner and are to be suitable for the hat manufacturing business. The old one was built for a silk factory with stories 16 ft. high. George Falliser, architect.

**PASSAIC, N.J.** — The building occupied by the Kip Manufacturing Co., which was burned June 11, is to be replaced by a frame-building, 55' x 70', built by G. W. Cole from the drawings of E. Morrell. It is occupied by the Acquackanonk Manufacturing Co., successors to the Kip Manufacturing Co., for the manufacture of step-ladders and wooden ware.

**SUMMARY OF THE WEEK.**

Reports from the Principal Cities and Towns of the Country.

**Albany.**

**THE NEW CAPITOL.** — Work on the Capitol is resumed.

**NEW POST OFFICE.** — It is expected that operations will soon begin on the site of the new Post Office building, corner of Broadway and State Street.

The widening of North Paul Street north of State Street, has commenced. It will beautify the city very much. Many of the ancient elms which have in times past shaded some of the oldest Dutch houses in this country, have been cut down. One, familiar to every traveller, known as the "Old Elm Tree," on the corner of the same name, was also felled, and every

portion of it disposed of as souvenirs and relics. It was said to have been 167 years old.

**HOTEL.** — "Stanwix Hall," a famous old hotel, is being entirely remodelled.

**OLD MEN'S HOME, ETC.** — William M. Woollett, architect, is building the "Old Men's Home," to cost \$30,000, situated on Troy Road. He is also engaged with several other noteworthy productions.

The other architects are more or less busy. We notice that John Cornelius has some ten or a dozen dwellings on hand.

**RESERVOIR.** — A new reservoir for the Hill population is about completed.

**Boston.**

**BRICK BUILDINGS.** — The following is a list of permits for brick buildings issued since June 21:—

Wheelwright shop, 20' x 45', James P. Neal, North Anderson Street.

Three dwellings, 15' 10" x 36', John Carlton, Yarmouth Street, near Columbus Avenue.

Dwelling, 21' x 41', W. B. Quigley, 220 West Newton Street.

**WOODEN AND FRAME BUILDINGS.** — Permits for these number only five since our last report, and most of these are for small buildings, 40' x 25' being the largest. The names of the builders are, Hudson, Pratt, & Co., Horace Fisher, Edward McKechnie, Wm. Donaldson, and James Barton.

**REPAIRS.** — Twenty-five permits for repairs have been granted, some of which are for alterations to dwellings in the fashionable sections of the city.

**NEW SCHOOLHOUSE ON WESTON STREET.** — In a few days the city architect will issue proposals for contractors' bids for the erection of the new schoolhouse on Weston Street, Sherwin District.

**THE NEW HIGH SCHOOLHOUSE.** — The contract for the pile-foundation and stone-work for this building will be let separately. Proposals will be called for about the middle of July.

**Cincinnati.**

**CHILDREN'S HOME.** — The old city prison, on the north side of Ninth Street, opposite the city building, is being torn down to make room for the new Children's Home, which will probably be erected during the coming season.

**New York.**

**LIST OF BUILDINGS PROJECTED FOR WEEK ENDING JUNE 26.** — Eighteen in number, con-

sisting of stores, dwellings, flats, etc. Total value, \$140,850.

Owners.	Architects.	Builders.
I. I. Myers.....	Henry Fernbach.....	M. Eidlitz.....
Freedman & Wellbrock.....	William Jose.....	.....
M. Manahan.....	F. S. Barnes.....	.....
M. Gaveru.....	F. S. Barnes.....	.....
F. Merck.....	.....	F. Merck.....
I. H. Moore.....	J. C. Burne.....	.....
A. B. Vandusen.....	.....	A. B. Vandusen.....
*Corporation—Sisterhood of St. John.....	E. T. Little.....	.....
J. Patterson.....	H. M. Tostevin.....	Rabold & Tostevin.....
David Stevenson.....	George M. Hill.....	George M. Hill.....
Henry S. Morris.....	J. G. Van Tapel.....	Mooney & Haggerty.....
Henry Eisner.....	.....	John Soumeslays.....
Wm. J. Reynolds.....	.....	Joseph Murray.....
Mrs. Sarge.....	Charles Strutzko.....	W. Brockmeyer.....
J. A. Post.....	George B. Post.....	C. Callahan.....
Mrs. Ann Crowley.....	.....	Sanderson & Moore.....

\* Public building located on East 17th Street, to cost \$25,000.

**Philadelphia.**

**NEW POLICE STATION.** — The mayor has advertised for proposals for the erection of a new police station-house for the Fourteenth District. The lot is in the rear of the Town Hall, Lafayette Street, above Main Street, Germantown. The main building will be 40' front by 64' 8" deep. The prison will be 45' front by 22' 6" deep, the two buildings being separated by an area 6' wide. The structure will be of stone, two stories in height, and of the same general style as the other station-houses heretofore erected.

**St. Louis.**

**BUILDING PERMITS.** — Thirty permits have been issued for the week ending June 22, 1877. Those worth \$2,500 and over are as follows:—

S. August, owner, three-story store and dwelling, \$3,000; I. Gheens, owner, two-story store and dwelling, \$4,000; William Risberg, owner, two-story store and dwelling, \$3,200; H. H. Keer, owner, two-story dwelling, \$4,000; P. Hannagan, owner, two-story dwelling, \$4,500; Eliza Redmond, owner, two-story dwelling, \$2,500; Manewald Lange & Co., owners, cracker factory, \$2,600.

**LIBRARY BUILDING.** — A project is being debated for erecting a large building to accommodate the Mercantile Library, the Historical Association, and various other literary and art associations of this city. Meetings have been held and committees appointed relative to funds and plans.

General Notes.

BROOKLYN, N.Y. — On the 23d inst. Bishop Littlejohn laid the foundation-stone of a new hospital about to be erected on Atlantic Avenue between Troy and Albany Avenues, by the Church Charity Foundation of the Protestant Episcopal Diocese of Long Island. The hospital, which is to be under the care of the Sisters of Charity of the Protestant Episcopal Church, will cost \$450,000.

CHILLICOTHE, O. — Improvements of considerable importance are now on the tapis. Dr. Nippen and others have purchased the old Campbell lot, on Second Street, near Paint, and will immediately erect a fine business block, containing eight store-rooms on the lower floor. Another large unoccupied lot, on Bridge Street, between Main and Second, is also being negotiated for by Capt. J. H. Putnam, late of the Columbus Dispatch and Sunday Herald, who, if he purchases, will put up ten dwellings of the better class. Mr. George L. Armstrong is preparing to build a handsome residence on his lot, at the corner of Main and Hickory Streets.

DOVER, N.H. — The new Cocheco cotton mill will be five stories high, 400 feet long by 74 wide, with an L 150 feet deep. It will contain 50,000 spindles, and give employment to about 700 men, and will probably be ready for running in a year. The contract for its erection has been given to Messrs. Cressey & Noyes, of Boston.

FALL RIVER, MASS. — The stockholders of the Wampanoag Mills have ratified the vote of the directors to build Mill No. 2. The Union Mills stockholders have also voted to build Mill No. 3. It is reported that the Pocasset Manufacturing Company will pull down the old Wautuppa mill, and build a new one on its site.

GRAY, ME. — The corner-stone of a seminary called the Pennell Institute was laid lately. The school is founded by Hon. Henry Pennell of this town.

MINNEAPOLIS, MINN. — L. S. Buffington is preparing plans for a residence for Geo. H. Pillsbury, Esq., which will cost about \$35,000 when completed. The walls will be of brick, relieved with cut granite-work, surmounted with mansard roof and tower.

The same architect is also preparing the plans for three brick Gothic villas for the Christian Brothers, two of which will be built on the corner lots and the third in the centre of a half block owned by them in the finest residence part of the city; each will cost about \$20,000.

ROCHESTER, MINN. — The corner-stone of the St. Francis Academy was laid on the 14th inst. with appropriate ceremonies, the different Catholic societies of the city and vicinity taking part.

SAYBROOK, CONN. — Mr. James Kane, a Meriden master mason, has secured the mason-work of the new church parsonage.

WINONA, MINN. — The "Simpson Block," the interior of which was entirely burned out last January, leaving the outside walls standing, has been rebuilt, and will be occupied about the 1st of July. It comprises four stores on the ground floor, two of which have entrances on two streets; the second story is arranged for office use, and the third story is divided into three halls suitable for society uses.

INDEX OF CURRENT WORK.

Giving information concerning important buildings now unfinished.

Boston, Mass. CHURCH. — Cost, \$75,000. Mr. John Welch, architect, Brooklyn, N.Y. FAMILY HOTEL. — O. Wentworth, builder. HOTEL. — Hotel Sumner. E. B. Horn, owner. Messrs. Appleton & Stephenson, architects, Boston, Mass.

Brooklyn, N.Y. GAS WORKS. — Starr & Son, contractors, Camden, N.J.

Chicago, Ill. APARTMENT HOUSE. — C. P. Thomas, architect. \$16,000.

STORE. — D. W. Kendall, architect. \$32,000.

Cincinnati, O. STORE. — Alms & Doepke, owners. Hannaford & Procter, architects.

Cleveland, O. CHURCH. — Second Presbyterian Church. Mr. Jos. Ireland, architect.

SCHOOLHOUSE. — Brooks & Linus, contractors. L. T. Scofield, architect. \$73,800.

CHURCH. — St. Bridget's Roman Catholic Society. D. nn & Charlott, architects. \$30,000.

ASYLUM. — Home for Aged Poor. Cudell & Richardson, architects, Cleveland, O.

APARTMENT HOTEL. — Burgert, owner. Cudell & Richardson, architects, Cleveland, O.

Indianapolis, Ind. CHURCH. — Second Presbyterian Church. B. V. Enos & Son, architects.

New Haven, Conn. FACTORY. — Seamless Rubber Co., owners.

OPERA HOUSE. — New Haven Opera House Co. Nicholas Countryman, contractor.

New York. CHURCH. — Roman Catholic Church, West Fifteenth Street. Cost, \$150,000.

Philadelphia.

CHURCH. — Church of the Transfiguration, Rev. J. K. Hayes.

CHURCH. — South-street Presbyterian Church.

General.

ANN ARBOR, MICH. — Court House. Mr. Bunting, architect, Indianapolis, Ind.

ARCADIA, WIS. — Court House and Jail. C. G. Maybury, architect, Winona, Minn. \$25,000.

BELFAST, ME. — Masonic Temple. G. M. Harding, architect, Boston, Mass.

CAMBRIDGE, MASS. — Dormitory, \$180,000.

CONCORD, MASS. — State Prison.

DANVILLE, IND. — Poor Asylum.

DOVER, N.H. — Cotton Mill. Cocheco Manufacturing Co., owners.

EAST HARTFORD, CONN. — Catholic Church.

FARIBAULT, MINN. — Deaf, Dumb, and Blind Asylum. J. Babcock & Co., contractors, \$53,430.

FITCHBURG, MASS. — B. C. F. & N. B. R.R. Depot.

GALVESTON, TEX. — Cotton Exchange. Gibbs & Moser, architects.

HARTFORD, CONN. — Seminary building. Hartford Theological Seminary.

HOBOKEN, N.J. — St. Mathew's Church. Mr. H. Englebert, architect, New York.

HOLYOKE, MASS. — Hotel and Opera House. William Whiting, owner.

KANSAS CITY, KAN. — Union Depot. A. B. Cross. \$200,000.

LAKE CITY, MINN. — Church for the Irish Catholic Society. Cost, \$15,000.

NORTHAMPTON, MASS. — Church. Peabody & Stearns, architects, Boston, Mass.

PORTSMOUTH, N.H. — Opera House. Heirs of John W. Peirce.

WABASH, IND. — Court House. Cost, \$100,000.

WASHINGTON, D.C. — Unitarian Church. H. J. Fleming, contractor, Washington. R. G. Russell, architect, New Haven, Conn.

WATERBURY, CONN. — Methodist Church. \$40,000.

WORWY, MASS. — Town Library. Norcross Bros., Worcester, contractors. Gambrill & Richardson, architects. \$71,625.

ZANESVILLE, O. — Hotel. H. E. Myers, architect. Black & Graham, owners. \$75,000.

Publishers' Department.

The American Architect and Building News.

PUBLISHED WEEKLY BY

JAMES R. OSGOOD & CO., WINTHROP SQUARE.....BOSTON.

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PROPOSALS.

STEAM HEATING APPARATUS.

CARBONDALE, ILL. Proposals for steam heating apparatus to be introduced into the Southern Illinois Normal University at Carbondale, Ill.

Bids will be received for the above purpose by the Trustees of said institution at their office in Carbondale until July 2, 1877. All bids should be indorsed on the envelopes, "Proposals for Steam-heating," and directed to the "Secretary of the University" at Carbondale. Plans of the building can be seen at the Secretary's office. The bids will be opened on 2d of July, at 2 p.m. The following is a copy of the second and third sections of the bill making the appropriation, to wit:

SECTION 2. The Trustees of the said Southern Illinois Normal University shall have power to contract with the lowest responsible bidder for putting in said steam-heating apparatus, and shall reserve not less than twenty per cent of the sum agreed to be paid, until there has been practical test made of its capability to do the work required of it for at least four months. The contract shall be awarded only after advertisements have been printed for no less than thirty days in at least one newspaper in the cities of Chicago, Bloomington, Springfield, and St. Louis. The contractor shall be required to give bonds to the people of the State, in a sum double the contract price, conditioned on the faithful performance of his work, and that the heating apparatus shall work satisfactorily to the Trustees for the term of two years from its completion.

SECTION 3. The moneys hereby appropriated shall be paid to the contractor by the Treasurer of the State on the warrants of the Auditor of Public Accounts, and the auditor is hereby authorized and required to draw the said warrants for moneys due under this act on the order of the said Trustees, accompanied by vouchers approved by the governor.

The Trustees reserve the right to reject any bids where the apparatus may not be deemed suitable, or for any other sufficient reason.

THOS. S. RIDGWAY, President.
JAMES ROBERTS, Secretary.
Carbondale, Ill., May 28, 1877

PROPOSALS.

IRON WORK.

CHICAGO, ILL. OFFICE OF THE SUPERVISING ARCHITECT, TREASURY DEPARTMENT, WASHINGTON, D. C. June 22, 1877.

Sealed proposals will be received at this office until 12 M., on the 6th day of July 1877, for furnishing, delivering, fitting, and putting in place the Wrought and Cast Iron Work required for the U. S. Custom House and Post Office at Chicago, Ill., in accordance with drawings, specifications, and schedules.

Copies of drawings, specifications, and schedule, and any additional information, may be had on application at this office or the office of the Superintendent.

JAS. G. HILL, Super. vising Architect. (Continued on page vi.)

CITY OF PROVIDENCE.

Sealed proposals for PLASTERING, STUCCO, AND KEENE'S CEMENT WORK in the New City Hall Building will be received until 12 o'clock M., July 2, 1877, by the City Hall Commissioners, at their office, No. 5 What Cheer Building, Providence, R. I.

Plans, specifications, form of proposal, and bond may be had of the Commissioners, as above, or of the architect, S. J. F. Thayer, No. 40 Water Street, Boston, on deposit of \$50.00.

Each bid must be accompanied with a bond in the sum of \$1,500 that a contract will be signed within ten days of the reception of bids.

The contracting party must execute a satisfactory bond in the sum of \$1,000 for the faithful execution of the work. The Commissioners will not necessarily accept the lowest or any bid.

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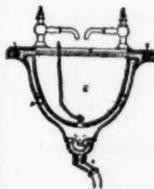
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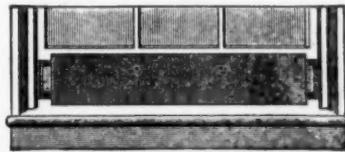
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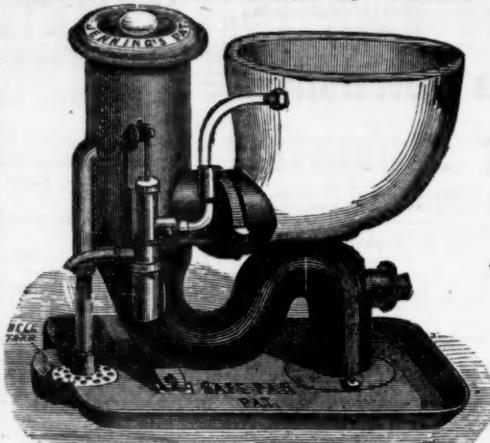
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Plans, Specifications, and Estimates furnished for all classes of Public Buildings, Churches, Monumental Designs, &c.

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Company's Building at Boston.

FIRE-PROOF SHUTTERS. Have stood many fires in all

parts of the country. Over 6000 pairs put up in Boston

after the fire. Saved the city of Springfield last year.

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architects of this country, "Minimum of metal, maximum

of stiffness, maximum of clench; the best lath

ever made, either wood or iron." See New York Post-

Office State Department. Advertising specialties which

Insurance Company's Buildings, and many others.

Mr. HOTT will be pleased to wait upon Architects, when

desired, to explain our methods, and to present for inspection

construction plans and estimates for any specific work.

PROPOSALS.

STEAM HEATING AND PLUMBING.

Sealed proposals for the steam heating and plumbing re-

quired in the portions of the Insane Asylum now being

built near the city of Leavenworth, Kan., will be received by the

undersigned until six o'clock p.m., Wednesday, Aug. 15, 1877.

About 40,000 cubic feet of space is to be heated by indirect

radiation; and the contractors will be required to furnish

all boilers, tanks, pumps, etc., required to commence a

thorough and complete system.

Each proposal must be accompanied with a good and

sufficient bond in the sum of \$1,000, conditioned that the

bidder will, if award is made to him, enter into contract for

the work, and furnish satisfactory bond for his faithful

performance.

The work is to be completed during the summer of 1878,

but payments will be made on materials delivered sooner if

required.

The right is reserved to reject any or all bids.

For further particulars, apply to the undersigned at Leav-

enworth, Kan.

By order of the Board of Directors,

E. T. CARR,

83. Architect and Supt. of Construction.

CITY OF BOSTON.

Sealed proposals will be received at the office of City Ar-

chitect, until Tuesday, July 10, 1877, at 12 o'clock, m., for

furnishing all materials and doing all the labor required to

build and complete a Primary School-house on West-st.

street, Boston Highlands. Separate proposals required for

carpentry and masonry, on the grounds.

Proposals to be addressed to the undersigned, and in-

duced "Proposal for Building Primary School-house, West-

street, Ward 18."

The Committee reserve the right to reject any or all pro-

posals received. For plans and specifications, apply at the

office.

For the Committee,

JOHN E. FITZGERALD, Chairman.

MATERIALS AND LABOR.

Sealed proposals will be received until 12 o'clock, m., July

10, 1877, by the managers of the Hudson River State Hos-

pital, Poughkeepsie, N.Y., for the furnishing of the materials

and labor for a portion of the Centre Building, in accordance

with the drawings and specifications in the office of the

Building Superintendent, on the grounds.

The party or parties to whom the contract may be awarded

shall furnish a bond with proper sureties in the sum of ten

thousand dollars for the faithful performance of the contract.

Payment will be made in accordance with the terms of the

conditions attached to the specifications. Fifteen per cent.

of each estimate will be retained until the final settlement.

The work comprised under this contract to be completed on

or before the 31st day of December, 1877.

Bids or proposals to be made in writing, signed by the bid-

der, indorsed on the outside of the envelope with a memo-

randum, sealed, addressed, and delivered at the Hospital to

the Board of Managers.

ABIAH W. PALMER, CORNELIUS R. AGNEW, AM-

ASA J. PARKER, EDWARD L. BEADLE, JOSEPH

HOWLAND, CHARLES WHEATON, ODELL S. HATH-

AWAY, JAMES ROOSEVELT, FREDERICK D. LENTE,

Managers.

SCHOOLHOUSE.

Sealed proposals will be received until 12 o'clock, m., July

10, 1877, by the managers of the Hudson River State Hos-

pital, at Poughkeepsie, N.Y., for the furnishing of the materials

and labor for the Steam-Heating of the Section running

east from Fourth Section and the Kitchen Block, in accordance

with the plans and specifications in the office of the

Building Superintendent on the grounds.

The party or parties to whom the contract may be awarded

shall furnish a bond with proper sureties in the sum of

five hundred dollars for the faithful performance of the

contract.

Payments will be made in accordance with the conditions

attached to the specifications. Fifteen per cent of each

estimate will be retained until the final settlement. The

work comprised under this contract to be completed on or

before the fifteenth day of August, 1877.

Bids or proposals to be made in writing, signed by the bid-

der, indorsed on the outside of the envelope with a memo-

randum, sealed, addressed, and delivered at the Hospital to

the Board of Managers.

ABIAH W. PALMER, CORNELIUS R. AGNEW, AM-

ASA J. PARKER, EDWARD L. BEADLE, JOSEPH

HOWLAND, CHARLES WHEATON, ODELL S. HATH-

AWAY, JAMES ROOSEVELT, FREDERICK D. LENTE,

Managers.

PROPOSALS.

IRON WORK.

CHARLESTON, S.C.

Proposals for the Iron Work of a Light House to be erected

on Fort Ripley Shoal, Charleston Harbor, S. C.

OFFICE OF THE LIGHT HOUSE ENGINEER,

CHARLESTON, S. C., June 20, 1877.

Sealed proposals, made on forms furnished for the purpose

will be received at this office until 12 o'clock of July

20, 1877, from iron manufacturers, for furnishing the materi-

als and labor of all kinds necessary for the completion, in

accordance with the specifications and drawings, of the

Metal Work for a screw pile Light-House to be erected on

Fort Ripley Shoal, Charleston Harbor, S. C., the same to be

delivered at the expense of the contractor, on board of a

vessel or vessels at any port stated by the bidders near to the

manufacturer's workshops, and accessible to such vessels.

Each bid must be accompanied by a bond signed by the

bidder and two competent sureties, in the sum of two thou-

sand dollars (\$2,000) that, in the event of the acceptance of

such bid, the necessary contract will be entered into within

ten (10) days after notice has been given that the bid has

been accepted.

A copy of the specifications must be enclosed with the bid

as evidence of the object of the proposal.

Plans, specifications, forms of proposals, and full informa-

tion in regard to the work, may be obtained from the under-

signed.

The right to reject any or all bids, or to waive defects, if

it be deemed for the interests of the government to do so, is

reserved.

All proposals must be signed, sealed, and indorsed, "Pro-

posals for the metal-work for a screw-pile light-house for

Fort Ripley Shoal, Charleston Harbor, S. C.," and then en-

closed in an outer envelope, and directed, prepaid, to the

undersigned.

W. A. JONES, Capt. of Engineers, U. S. A.,

Engineer 6th Light-House District.

BUILDING FOR GIRLS' INDUSTRIAL

HOME. DELAWARE, O.

Sealed proposals will be received by the Board of Trustees

of the Girls' Industrial Home, at the office of the Secretary,

in Delaware, until 12 o'clock, m., on FRIDAY, July 13,

1877, for furnishing materials and building on the premises

of the institution, at White Sulphur Springs, Delaware

County, Ohio, a new Family Building. Bids to be indorsed

"Proposals for Family Building at Girls' Industrial Home,"

and addressed to A. THOMSON, 1144 Broadway, N. Y.

The building to be two stories, of brick, eighty feet

front, with retracting wings on either side, seventy four feet

from the front.

The drawings and specifications can be seen at the store

of Cox & Stayman, in Delaware, and a copy of the specifica-

tions obtained on application to the Secretary, by those

wishing to bid.

All proposals must be accompanied with a bond of the

bidder, with sufficient sureties, conditioned that if said pro-

posals shall be accepted a contract will be duly entered into

with bonds and sureties that the work as specified shall be

faithfully performed.

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[Reported for the American Architect and Building News.]

THE NEW YORK MARKET.

WHOLESALE PRICES.

Table with columns for Brick (Nominally, Cargo afloat), Pale, Jersey, Long Island, Up-River, Haverstraw Bay, and Haverstraw Bay.

Table with columns for Fronts (Croton-Brown, Croton-Dark, Croton-Red, Philadelphia, Trenton, Baltimore) and CEMENT (Rosendale, Roman, Keene's course, Keene's fine).

Table with columns for Fire Brick (Red Welsh, Portland, American) and Doors and Blinds (Doors, Raised Panels, Two Sides, Doors, Moulded).

Table with columns for Outside Blinds (Per lineal foot, up to 2.10 wide, up to 3.1 wide, painted a d trimmed) and Inside Blinds (Per lineal foot, 4 folds, Pine, Ash or Chestnut, Cherry or Butternut, Black Walnut).

Table with columns for Window Frames (Up to 3.4 x 7.2, put together) and Hair (Duty free, Cattle, Goat) and Lime (State, common, cargo rate, State, finishing, Rockland, finishing, Groun).

Table with columns for Lath (Cargate rate) and Lumber (Pine, very choice, and extra dry, Pine, good, Pine, lally plank, Spruce boards, Spruce plank, Spruce plank, Spruce timber, Hem oak boards, Oak, Chestnut, Black walnut, Black walnut, Black walnut, Cherry, Whitewood, Shingles, Yellow pine dressed flooring).

Table with columns for Paints and Oils (Whiting, Paris white, Zinc, white, American, dry, Zinc, white, American, in oil, pure, Lead, white, American, dry, Lead, white, American, in oil, pure, Lead, red, American, Litharge, American, Ochre, French, dry (gold), Ochre, in oil (currency), Venetian red, English (old), Venetian red, American, Quicksilver (gold), Vermilion, Trieste (gold), Chrome yel. ow, genuine, dry, Chrome yel. in oil, Orange mineral, English (gold), Paris green, pure, dry, Putty, pure, Sienna, raw (American), Sienna, burnt (American), Sienna, burnt, in oil, Sienna, raw, in oil, Umber, raw, in oil, Black, lamp, ordinary, Black Paint, in oil, kegs, Black Paint, in assorted cans).

Table with columns for Slate (Purple roofing slate, Green slate, Red slate, Black slate, Pennsylvania (at Jersey City), Peach bottom (nominally), Slate tiles, 1 1/2 in., rubbed, sq. ft. delivered) and Soldiers (No. 1, No. 2).

Table with columns for Tin Plates (14 x 14, 11-10c, I. C. charcoal, 10 x 14, I. C. coke, 10 x 14).

Table with columns for Engravings from Landseer (Produced in Heliotype, with a sketch of the life and works of the artist, Twenty-four Plates, reproducing with the utmost fidelity some of the most famous of Landseer's works, including "The Challenge," "Chillingham Red Deer," "The King of the Forest," "The Monarch of the Glen," "High Life," "Laying Down the Law," "Shoeing the Bay Mare," and others of equal beauty. Quarto. Price, \$10.00.)

Table with columns for Raphael Pictures (A Series of Studies, designed and engraved after five paintings by Raphael. With Historical and Critical Notes by M. T. B. Emrick David, member of the Institute of France. This volume contains twenty-four Plates, reproduced in fac-simile and with admirable success by the Heliotype Process. The subjects represented are "The Visitation," "The Holy Family" (two groups), "The Madonna of the Fish," and "The Bearing of the Cross." Quarto. Price, \$10.00.)

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Table with columns for I. X. charcoal, 10 x 14, I. C. charcoal, 14 x 20, I. X. charcoal, 14 x 20, I. C. coke, 14 x 20, I. C. coke, terme, 14 x 20, I. C. charcoal, terme, 14 x 20, ZINC - Duty, sheet, lb. 2c, Sheet (gold) foreign, LEAD, Bar, Sheet, Pipe, Discount, 10 per cent to trade.

Table with columns for BOSTON, PRICES TO CONTRACTORS AND BUILDERS, FIRE BRICK (No. 1 Boston, Waldo Bros. No. 1, Waldo Bros. No. 2, Jersey, No. 1, Jersey, No. 2, Scotch Goyan, 2 1/2 in., English Hancock) and BUILDING BRICKS (Eastern, Bay State).

Table with columns for LUMBER (Michigan pine - Nos. 1 and 2, No. 4, Saps, Black Walnut - Nos. 1 and 2, Culls, Ash - Nos. 1 and 2, Cherry - Nos. 1 and 2, Whitewood - Nos. 1 and 2, 3/4-inch, Oak - Nos. 1 and 2, Butternut - Nos. 1 and 2, Eastern pine - Nos. 1, 2, and 3, No. 4, No. 8, Spruce - random cargoes scantling and plank, Boards, Hemlock Board, Laths - Spruce, Shingles - Spruce, Pine shavd., Sawed extras, 16 and 18 in.) and PAINTS AND OILS (Whiting, Paris white, English, Zinc, white, in oil, Lead, white, American, in oil, pure, Ochre, French, dry, Venetian red, English, Chrome yellow, in oil, Paris green, pure, Putty, Sienna, in oil, Umber, in oil, Umber, burnt, in oil, Black, lamp, Black Paint, in assorted cans).

Table with columns for LIME (Quoted at 85c. per cask for Rockland and Rockport) and CEMENT (Rosendale, Portland, Keene's course, Keene's fine).

Table with columns for BUILDERS' HARDWARE (Nails, Arle Pulleys - Steel, 2-in., Boston make, Sash Wrights, Sash Line, Best hemp, Best linen, Door Butts, Japanned Acorn, Plain Bronzed Iron, Ornamental Bronze Metal, Mortise Locks - Brass face and bolt - easy spring, Do., for front doors, Factory make, plain front, Factory make, plain front, Boston make, plain front, Door Knobs, Solid glass, Sifted glass, Cut glass, Nickel plated, Bronze metal, Sash Fast., Plain brass, self-locking, Plain brass, self-locking, Bronze metal, self-locking, Screws, Round head, nickel plated, for window beads, Store Door Handles - with mortise latch, Lacquered brass, Bronze metal).

Table with columns for IRON (Wrought-iron I Beams, John H. Reed and Co., Wrought-iron I Beams, Wrought-iron I Beams, Wrought-iron Channel Beams, Wrought-iron Angle Iron, Wrought-iron T Bars, Wrought-iron Girder Plates, Wrought Girder Rivets).

Table with columns for METALS AND TINNERS' STOCK (Tin plate, 1 C, 10 x 14, charcoal, Tin plate, 1 X, 10 x 14, charcoal, Tin plate, 1 C, 12 x 12, cha. coal, Tin plate, 1 X, 12 x 12, charcoal, Tin plate, 1 C, 14 x 20, charcoal, Tin plate, 1 X, 14 x 20, charcoal, Tin plate, 1 X X, 14 x 20, charcoal, Tin plate, 14 x 14, charcoal, I C roofing, 14 x 20, charcoal, I X roofing, 14 x 20, charcoal, I X roofing, 14 x 20, charcoal, I C roofing, 14 x 20, coke, 10 x 20 coke (for gutters), 250 sheets, Pig tin, large (60 lbs.), Pig tin, small (30 lbs.), Pig bar tin).

Table with columns for \* \* Roofing tin \* \* In Chicago means lead-coated, but is not used for the best roofs. Solder, No. 1, 18c.; extra, 20c. Lead, Pig, 7c.; bar, 8c.; lead pipe, 9c. Copper, Bottoms, 3c.; sheathing copper, 2c. Sheet Zinc, Full casks, 9c.; slabs, 8 1/2 @ 9c. Sheet Iron, No. 24, 3c. rates; Russia iron, Nos. 9 to 12, 14c.; do. No. 1, stinned, 13c.; American planished A, 12c.; B, 10c.; galvanized iron, No. 26, 14c., with discount of 30 per cent. Wire, Nos. 1 to 4, 9c.; 5 to 9, 10c.; 10 to 11, 11c.; 12, 11c.; 13 and 14, 12c.; 15 and 16, 14c.; 17, 15c.; 18, 15c.; 19, 15c.; 20, 20c. Discount of 45 per cent.

Table with columns for NAILS (Strictly pure, 89.75; fancy brands, \$7.00 @ \$9.00) and PAINTS AND COLORS (White Lead, Strictly pure, 89.75; fancy brands, \$7.00 @ \$9.00. Zinc, Chrome yellow, in oil, Umber and Siennas, Marseilles green, Conch black, Graining colors, Mineral paints, Ven. red, dry, Yellow ochre, dry).

Table with columns for OILS (Linsed, raw, 7c.; boiled, 7c.) and MEDLEVAL FOLIAGE (By J. K. COLLING. 1 vol. quarto. 78 plates and many woodcuts. \$15.00. These two volumes by Mr. Colling contain valuable introductory essays on the use of Foliage in Art, with a great number of designs illustrating the various modes in which Foliage has been employed by Architects and Decorators in different ages and nations. In their department these volumes are unrivalled.)

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CHICAGO.

PRICES TO CONTRACTORS AND BUILDERS.

Table with columns for BRICK, LIME, AND CEMENT (Lime, in bulk, in bbl., Lime, in bbl., New stock building brick, Sewer brick, Indiana pressed brick, Fire brick, Cement, Utica and Louisville, Cement, Akron, White sand, Plaster paris, Michigan, Plaster paris, New York, Fire clay, Plastering-hair, brush).

Table with columns for LUMBER (MICHIGAN PINE) (First and second clear, 1 to 2-in., Third clear, 1-in., Third clear, 1 1/2 @ 2 in., Select, 1-in. A., Select, 1-in. B., Select, 1 1/2 @ 2-in. B., Wagon box boards, 13 in. and upward A., Wagon-box boards, 13 in. and upward B., A stock boards, 10 to 12-in., B stock boards, 10 to 12-in., C stock boards, 10 to 12-in., Common stock boards, 12 in., Common boards, 12 to 20 ft., Fencing, 12 to 16 ft., Joist and scantling, 1 @ 18 ft., Joist and scantling, 2 @ 18 ft., Joist and scantling, 2 @ 24 ft., Flooring, first and second clear, rough, Flooring, first common, rough, Flooring, second common, rough, Flooring, first common, dressed, Flooring, second common, dressed, Floor ng, second common, dressed, Siding, first and second clear, dressed, Siding, first common, dressed, Siding, second common, dressed, Timber, sawed, 12 @ 16 ft., Pickets, square, Pickets, flat, Shingles, sawed A, Shingles, sawed B, Lath, Dry A shingles, on track).

Table with columns for HARDWOOD LUMBER (Whitewood, clear, Whitewood box boards, A, Whitewood box boards, B, Whitewood s select, Whitewood, common, Whitewood cull., Ash, clear flooring, 3 and 4-in., dressed and matched, Ash, clear flooring, 4-in. dressed and matched, Oak, clear, Oak, common, Hickory, Black walnut, counter-tops, Black walnut, clear, Black walnut, first and second, Black walnut, common, Black walnut culls, Black walnut, clear flooring, 3 and 4-in., dressed and matched, Cherry, first and second, Butternut, first and second, Maple, clear flooring, 4 and 6-in., dressed and matched, Florida red cedar, Mahogany, White holly).

Table with columns for METALS AND TINNERS' STOCK (Tin plate, 1 C, 10 x 14, charcoal, Tin plate, 1 X, 10 x 14, charcoal, Tin plate, 1 C, 12 x 12, cha. coal, Tin plate, 1 X, 12 x 12, charcoal, Tin plate, 1 C, 14 x 20, charcoal, Tin plate, 1 X, 14 x 20, charcoal, Tin plate, 1 X X, 14 x 20, charcoal, Tin plate, 14 x 14, charcoal, I C roofing, 14 x 20, charcoal, I X roofing, 14 x 20, charcoal, I X roofing, 14 x 20, charcoal, I C roofing, 14 x 20, coke, 10 x 20 coke (for gutters), 250 sheets, Pig tin, large (60 lbs.), Pig tin, small (30 lbs.), Pig bar tin).

Table with columns for \* \* Roofing tin \* \* In Chicago means lead-coated, but is not used for the best roofs. Solder, No. 1, 18c.; extra, 20c. Lead, Pig, 7c.; bar, 8c.; lead pipe, 9c. Copper, Bottoms, 3c.; sheathing copper, 2c. Sheet Zinc, Full casks, 9c.; slabs, 8 1/2 @ 9c. Sheet Iron, No. 24, 3c. rates; Russia iron, Nos. 9 to 12, 14c.; do. No. 1, stinned, 13c.; American planished A, 12c.; B, 10c.; galvanized iron, No. 26, 14c., with discount of 30 per cent. Wire, Nos. 1 to 4, 9c.; 5 to 9, 10c.; 10 to 11, 11c.; 12, 11c.; 13 and 14, 12c.; 15 and 16, 14c.; 17, 15c.; 18, 15c.; 19, 15c.; 20, 20c. Discount of 45 per cent.

Table with columns for NAILS (Strictly pure, 89.75; fancy brands, \$7.00 @ \$9.00) and PAINTS AND COLORS (White Lead, Strictly pure, 89.75; fancy brands, \$7.00 @ \$9.00. Zinc, Chrome yellow, in oil, Umber and Siennas, Marseilles green, Conch black, Graining colors, Mineral paints, Ven. red, dry, Yellow ochre, dry).

Table with columns for OILS (Linsed, raw, 7c.; boiled, 7c.) and MEDLEVAL FOLIAGE (By J. K. COLLING. 1 vol. quarto. 78 plates and many woodcuts. \$15.00. These two volumes by Mr. Colling contain valuable introductory essays on the use of Foliage in Art, with a great number of designs illustrating the various modes in which Foliage has been employed by Architects and Decorators in different ages and nations. In their department these volumes are unrivalled.)

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**BUILDING INTELLIGENCE.**

[Reported for the American Architect and Building News.]

**A RECORD.**

Showing how buildings recently burned are to be replaced.

**APPLE RIVER, ILL.**—The Apple River Hotel, which was burned June 2, is being replaced by a frame building 30 x 50 with L 20 x 24. J. A. Adams is builder, after plans by Frost and Robbins.

**OMAHA, NEB.**—The buildings occupied by C. F. Goodman, which were burned April 23, are to be replaced by two brick buildings, 22' x 125' and 22' x 80' respectively, each three stories high. They are to be used as a wholesale drug store and a pawnbroker's shop. The drawings were prepared by A. R. Dufrene. The contracts are to be let about July 7.

**PITTSBURG, PENN.**—The buildings of the Pittsburg Steel Casting Co., destroyed June 2, are to be replaced by a foundry and machine shop 254' x 122', a gas producer house 41' x 40', a building over ovens 86' x 51'. All to be built of brick and iron exclusively, by W. B. Scaife & Sons from their own plans.

**SALMON FALLS, N.H.**—The Jessup and Laffin Paper Company have contracted with George and T. J. Green for the rebuilding of the portion of their mill recently burned. L. B. Wakeley will do the mason-work.

**SAXTON'S RIVER, VT.**—As yet there is but one building projected in place of the 3 burned. I. R. Warner rebuilds the new building occupied by S. W. Warner & Son for a wholesale and retail tin, stone, glass-ware, and notion store, and for the manufacture of tin-ware. Size of building, 30 ft. front, 59 ft. deep, 20 ft. joist, constructed of wood with glass front. I. R. Warner designed the building. Harris & Holden take the contract for building.

**USTON, S.C.**—The buildings destroyed by the fire of June 3 are being replaced by brick and stone buildings of the average size of 22 x 100, which are to be used as storehouses. The builders are J. T. Hill & Co., D. J. Faut, W. E. McKeane, Spears & Cotton, W. R. Davis, P. Dunn. The architects are James Grant and John L. Young.

**SUMMARY OF THE WEEK.**

Reports from the Principal Cities and Towns of the Country.

**Boston.**

**ALTERATIONS.**—The number of permits granted for repairs and alterations is 40.

**BRICK BUILDINGS, ETC.**—Since June 25, nine permits have been granted, as follows:— Stable, 42' x 30'. Timothy E. Stuart. Stable, carriage-house, and laundry, 25' x 60'. J. P. Brawley.

Dwelling and store, 35' x 40'. Hewett & Webster.

Sand dry house, 16' x 20'. A. H. Glover. Manufactory, 40' x 60', five stories. Justice J. Smith.

Alexander McDonald will erect three dwellings and stores, 23' x 41', 23' x 39', and 23' x 69', and one dwelling 19' x 34', at the Highlands.

**WOODEN AND FRAME BUILDINGS.**—Fourteen permits have been granted for these, which include dwellings, stables, manufactories, etc. The names of the builders are: Geo. A. Spear, Andrew Anderson, Roderick McKenzie, S. N. Davenport, Brackett & Nuttage, Christopher Tilden, jun., August Schmitt, Herman Drake, Wm. H. Gorlon.

**HOTEL.**—A new family hotel is being erected on the corner of St. James and Huntington Avenues, by Mr. Levi B. Gay, which will be completed by the 1st of April next, and will cost, not including land, about \$150,000. The material is to be brown stone for the high basement and first floor, with brick and brown stone for the upper four floors. There are to be 3 flights of stairs in the building, and the great main staircase will be enclosed by solid walls, reaching from basement to roof, and made fire-proof. The house will contain 152 rooms. No less than 500 doorways and 300 windows will be required in the building. The elevators will be run by water-power. Mr. George F. Meacham is the architect, and Woodbury & Leighton are the builders.

**THE HERALD BUILDING.**—The Boston Herald's new building will probably be ready for occupancy in the autumn. The front is to be of granite.

**SCHOOL-HOUSES.**—At a recent meeting of the common council, Mr. Coe of Ward 23 reported an order that the Committee on Public Buildings be authorized to reduce the Adams School-house one story, clean and paint the building, and furnish it with steam heating apparatus, at an expense not to exceed \$15,000. Passed, 28 to 24. Mr. Coe reported an order that the Committee on Public Buildings furnish the Brimmer School with steam heating apparatus

and a fire-proof roof at an expense not exceeding \$7,500, and asked its reference to the Committee on Public Buildings; and it was so referred.

**THE LUMBER MARKET.**—In their July circular, Messrs. Geo. H. Peters & Co. remark: "Since our last report, and up to the middle of June, dealers reported a fair trade, but since then it has fallen off; and as July opens, we cannot report any improvement in the lumber market. The present prospect is of a very quiet summer, with a very general opinion that a change for the better will occur in the fall. Certain it is, that at present prices manufacturers are doing business at a loss; and it is only a question of time how long this can continue, either to ruin them, or, for self-protection, to stop producing."

"Where timber lands can be considered comparatively safe from destruction by fire, it will prove a far better investment to let them remain as they are, than to reduce them and put lumber into market at prices which cannot be remunerative. With any improvement in demand, prices must advance. Eastern lumber has arrived freely, and in spruce and hemlock prices are easier, with a light call. Western lumber is likely to be firmer, as good dry stock is not so plenty as many supposed. Freighters are reported again off 5 @ 10c. per 100 lbs.; but this will not be likely to affect prices, as they are at present too low to encourage shipments. Southern lumber continues in fair demand. Most of the Southern Atlantic ports are full of orders, and prices remain steady, with, however, little tendency to advance."

**Chicago.**

The following is a list of buildings for which permits have been issued during two weeks ending June 30, 1877: Max Romer, two-story and basement brick dwelling, 23' x 54', at 579 North Clark Street; cost, \$5,000; J. Zittle, architect. G. D. Gunderson, three two-story and basement brick stores and dwellings, each 25' x 65', Morgan and Indiana Streets; cost, \$12,000; H. M. Hansen, architect. John Herting, four four-story and basement stone-front stores and dwellings, each 20' x 80', Clark and Division Streets; cost, \$25,000; Otto H. Matz, architect. Thomas Minchin, two-story and basement stone-front dwelling, 20' x 57', 181 East Indiana Street; cost, \$4,500; Bolton & Zittle, architects. E. Comerford, two-story basement and attic brick store and dwelling, 20' x 44', 230 North Halsted Street; cost, \$3,000. German Lutheran Church, two-story and attic brick school, 28' x 54', Fourteenth and Ashland Avenue; cost, \$4,500. William McKee, four two-story and basement brick dwellings, each 20' x 36', Tompkins and Polk Streets; cost, \$10,000; G. H. Edbroke, architect. Mark S. Thompson, two-story and attic brick packing-house, 40' x 60', Clark and Twenty-sixth Streets; cost, \$4,000. Rudolph Preis, two-story and basement brick dwelling, 21' x 48', at 356 Centre Avenue; cost, \$3,500; H. Eilenberger, architect. John Kraemer, two-story and basement brick dwelling, 21' x 52', at 206 Church Street; cost, \$3,000; A. F. Beers, architect. Cornelius Shehan, two-story brick store and dwelling, 24' x 40', Polk and Miller Streets; cost, \$2,500. J. Koenig & Co. five-story and basement brick furniture factory, 42' x 100', Green and Superior Streets; cost, \$15,000; A. Von Langen, architect. Frank Gates, two-story and basement brick dwelling, 25' x 50', at 341 West Congress Street; cost, \$3,800. F. Sturm, three-story and basement brick store and dwelling, 26' x 50', S. W. corner Halsted Street and Canalport Avenue; cost, \$3,500; J. Dillenberg, architect. August Kussmann, three-story basement and attic store and dwelling, 59' x 59', N. E. corner Halsted Street and Canalport Avenue; cost, \$10,000; William Blanke, architect. Thomas Sullivan, two-story and basement brick store and dwelling, 24' x 53', corner Gage and Thirty-eighth Streets; cost, \$3,100. F. H. Davis, three-story and basement brick dwelling, 35' x 36', Huron, near State Street; cost, \$5,500. William McKee, five two-story and basement brick dwellings, each 20' x 36', Tompkins, near Polk Street; cost, \$12,500; G. H. Edbroke, architect. Alice S. Talcott, three-story basement and cellar, stone-front dwelling, 23' x 54', Ashland Avenue, near Van Buren Street; cost, \$7,600; Furst & Flanders, architects. Total, 31 buildings. Total cost, \$140,000. Cost of additions, alterations, and improvements to buildings previously erected, \$36,700.

**Cleveland, O.**

**VIADUCT.**—The contract for the foundations of masonry for the easterly part of the viaduct was let last week to Messrs. Sherman and Flagler of Utica, N.Y. Their whole contract will amount to \$27,000. For the first quality of block stone masonry they are to receive \$5.40 per perch of 25 cubic feet. The proposals for the iron-work were all rejected, as none of the plans submitted were entirely satisfactory. The city civil engineer will prepare complete plans for the work. The old buildings in the line of the proposed structure are rapidly disappearing.

**SCHOOLHOUSE.**—There is to be a \$4,000 addition built to the Brooklyn Village schoolhouse. Walter Blythe, architect.

**New York.**

**BUILDINGS PROJECTED FOR WEEK ENDING JULY 3.**—Thirteen in number, consisting of stone, French flats, dwellings, factories, tenements, and stables. Total value, \$151,500.

Owners.	Architects.	Builders.
William Moadinger ..	Thomas Overington ..	Hall & Merritt .....
Jacob Schmidt .....	William Jose .....	.....
W. Ducknoschall .....	A. H. Blankenstein .....	.....
Henry Baker .....	Henry Baker .....	James Develin .....
E. Taiten .....	.....	.....
L. E. Wright .....	J. H. Valentine .....	L. E. Wright .....
Edward J. King .....	D. & J. Jardine .....	Robert L. Darrough ..
C. Decker .....	F. S. Barnes .....	P. P. Decker .....
E. S. Higgins & Co. ....	J. C. Duckworth .....	Thomas Wilson .....
Thomas McManus .....	J. H. Valentine .....	Thomas McManus .....
D. J. Donnegan .....	.....	James Slavin .....

**General Notes.**

**HARTFORD, CONN.**—All the secret societies in Trinity College are making preparations for erecting lodge buildings on the grounds near the new colleges. The Delta Psi will erect a very handsome lodge of white granite. Mr. Robert Habersham Coleman of Cornwall, Penn., who lately attained his majority, has made the society, of which he is a member, the gift of \$40,000 toward paying for the lodge. The Beta Beta Society will build of pressed brick and Ohio sandstone, and finished with a crestring of imported tile. It will cost about \$20,000.

**LEAVENWORTH, KAN.**—E. T. Carr, architect, has on hand the following: one hospital, and the reconstruction of officers' quarters at Fort Leavenworth, \$23,000; dwelling-house, \$3,000; remodelling residence of L. T. Smith, \$10,000. In Topeka he has charge of the contract and construction of the State Insane Asylum, present appropriation, \$76,000; State Magazine, \$2,000. In Manhattan, State Agricultural College buildings, \$17,000; dwelling for A. Stingley, \$5,000; public school, \$12,000. In Abilene, a dwelling for T. C. Henry, \$6,000. He has also in charge about \$30,000 worth of improvements for the State Penitentiary, of which he is the architect.

**NEW BRITAIN, CONN.**—The new convent is being pushed rapidly toward completion. The corner-stone was laid July 1.

**NORTH ADAMS, MASS.**—A second storage reservoir is being built, with a view to the prevention of fire. It will contain about 2,000,000 gallons, and will cost about \$8,000.

**PROVIDENCE, R.I.**—Bids for plastering, stucco, and Keene cement work, for the Providence City Hall, were opened July 2, and were \$23,778, \$28,500, \$27,550, \$21,751, \$21,553, \$19,755, \$19,500, \$16,800, \$16,200. The lowest bidder was John Mack of Boston, and the contract was awarded to him.

**ST. LOUIS.**—Twenty-three permits have been issued for the week ending June 29. Those worth \$2,500 and over are as follows, all for brick buildings: H. Konert, owner, two-story dwelling, \$3,000; Meyer Brothers, owners, three-story dwellings, \$20,000; E. Orpen, owner, two-story dwellings, \$3,200; J. B. Lucas, owner, two-story dwellings, \$15,000; Outley & Sellers, owners, two-story dwellings, \$10,000.

**INDEX OF CURRENT WORK.**

Giving information concerning important buildings now unfinished.

**Boston, Mass.**

**CHURCH.**—Cost, \$75,000. Mr. John Welch, architect, Brooklyn, N.Y.

**FAMILY HOTEL.**—O. Wentworth, builder.

**HOTEL.**—Hotel Sumner. E. B. Horn, owner. Messrs. Appleton & Stephenson, architects, Boston, Mass.

**Brooklyn, N.Y.**

**GAS WORKS.**—Starr & Son, contractors, Camden, N.J.

**Chicago, Ill.**

**APARTMENT HOUSE.**—C. P. Thomas, architect. \$16,000.

**CHURCH.**—Jefferson Park Presbyterian. J. C. Cochran, architect.

**STORE.**—D. W. Kendall, architect. \$32,000.

**Cincinnati, O.**

**STORE.**—Alms & Doepke, owners. Hannaford & Procter, architects.

**STORES.**—John Shillito, owner. Jas. W. McLaughlin, architect.

**Cleveland, O.**

**MUSIC HALL.**—Hannaford & Procter, architects.

**CHURCH.**—Second Presbyterian Church. Mr. Jos. Ireland, architect.

**SCHOOLHOUSE.**—Brooks & Linus, contractors. L. T. Scofield, architect. \$73,890.

**CHURCH.**—St. Bridget's Roman Catholic Society. Dunn & Charlott, architects. \$30,000.

**ASYLUM.**—Home for Aged Poor. Cudell & Richardson, architects, Cleveland, O.

**Indianapolis, Ind.**

**CHURCH.**—Second Presbyterian Church. B. V. Enos & Son, architects.

**New Haven, Conn.**

**FACTORY.**—Seamless Rubber Co., owners.

**OPERA HOUSE.**—New Haven Opera House Co. Nicholas Countryman, contractor.

**New York.**  
**CHURCH.**—Roman Catholic Church, West Fifteenth Street. Cost, \$150,000.  
**Philadelphia.**  
**CHURCH.**—Church of the Transfiguration, Rev. J. K. Kayes.  
**CHURCH.**—South-street Presbyterian Church.  
**CHURCH.**—Central Presbyterian, Collins & Autenreith, architects. G. Watson, builder.  
**General.**  
**ANN ARBOR, MICH.**—Court House. Mr. Bunting, architect, Indianapolis, Ind.  
**ARCADIA, WIS.**—Court House and Jail. C. G. Maybury, architect, Winona, Minn., \$25,000.  
**BELFAST, ME.**—Masonic Temple. G. M. Harding, architect, Boston, Mass.  
**CAMBRIDGE, MASS.**—Dormitory, \$180,000.  
**DANVILLE, IND.**—Poor Asylum.  
**DOVER, N.H.**—Cotton Mill. Cochecho Manufacturing Co., owners.  
**EAST HARTFORD, CONN.**—Catholic Church.  
**FARIBAULT, MINN.**—Deaf, Dumb, and Blind Asylum. J. Babcock & Co., contractors, \$53,450.  
**FITCHBURG, MASS.**—B. C. F. & N. B. R. R. Depot.  
**GALVESTON, TEX.**—Cotton Exchange. Gibbs & Moser, architects.  
**HOBOKEN, N.J.**—St. Mathew's Church. Mr. H. Englebert, architect, New York.  
**HOLYOKE, MASS.**—Hotel and Opera House. William Whiting, owner.  
**KANSAS CITY, KAN.**—Union Depot. A. B. Cross, \$200,000.  
**LAKE CITY, MINN.**—Church for the Irish Catholic Society. Cost, \$15,000.  
**NORTHAMPTON, MASS.**—Church. Peabody & Stearns, architects, Boston, Mass.  
**PORTSMOUTH, N.H.**—Opera House. Heims of John W. Peires.  
**WABASH, IND.**—Court House. Cost, \$100,000.  
**WASHINGTON, D.C.**—Unitarian Church. H. J. Fleming, contractor, Washington. R. G. Russell, architect, New Haven, Conn.  
**WATERBURY, CONN.**—Methodist Church. \$40,000.  
**WOBURN, MASS.**—Town Library. Norcross Bros., Worcester, contractors. Gambrell & Richardson, architects. \$71,625.  
**ZANESVILLE, O.**—Hotel. H. E. Myers, architect. Black & Graham, owners. \$75,000.

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**PROPOSALS.**

**MEXICO, MO.**  
**JAIL.**—There will be let on the twelfth day of July, 1877, to the lowest and best bidder,—all things considered,—the contract for furnishing the material and building a jail and jailer's residence, at Mexico, Audrain County, Mo. Separate bids will be entertained for the iron work, or the building, or jointly, as the parties may desire. Plans and specifications may be seen at any time at the Office of the County Clerk. Parties desiring further information may address  
**J. W. THOMPSON,**  
 Jail Commissioner, Audrain County, care County Clerk,  
 80 Mexico, Mo.

**ROCK ISLAND, ILL.**  
**ROCK.**—Sealed proposals, in duplicate, will be received at the United States Engineer Office, Rock Island, Ill., until twelve, a. m., on the twenty-fifth of July, 1877, for furnishing Rock to be used in the construction of a dam and rip-rap shore protection, for the improvement of Rush Chute, near Burlington, Ia. All information and blanks can be obtained at this office. Proposals must be enclosed in a sealed envelope, and indorsed "Proposals for furnishing Rock for Improvement of Rush Chute and Harbor of Burlington, Ia.," and addressed to  
**J. N. MACOMB,** Colonel Corps of Engineers.  
 82

**EUGLID, O.**  
**SCHOOLHOUSES.**—The Board of Education of Euclid Township, O., will, until twelve, a. m., of Saturday, July 21, 1877, receive proposals for the erection and completion of two (2) schoolhouses, said houses to be built according to the plans and specifications now in the Office of the Town Clerk. Said proposals must be accompanied by security for the fulfillment of contract. The Board reserves the right to reject any or all bids.  
**E. P. HANKELL,** Town Clerk.  
 81

**BROOKLYN, O.**  
**SCHOOLHOUSE.**—Sealed proposals will be received by the Clerk of the Board of Education of Brooklyn Village, O., until twelve o'clock, a. m., July 14, for building an addition to the Brooklyn Village Schoolhouse. Plans and specifications may be seen at the office of the clerk on and after July 1. The Board reserves the right to accept any or to reject all bids.  
**T. M. TOWL,** Clerk.  
 80

**NORTH ADAMS, Mass.**  
**MANAGER'S OFFICE.**  
**TROT & GREENFIELD R. R. AND HOORAC TUNNEL,**  
 NORTH ADAMS, June 12, 1877.  
**Sealed proposals will be received at this office up to noon of June 28, inst., for building the facade at the east portal of the Hoosac Tunnel. Also for building about 200 feet in length of Arch at the west portal of the small Tunnel near the village of North Adams. Plans can be seen and specifications procured by applying to W. P. GRANGER, Chief Engineer, at this office, after the 18th inst. The right is reserved to reject any and all bids.**  
 June 14 83 **J. PRESCOTT,** Manager.

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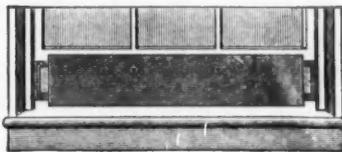
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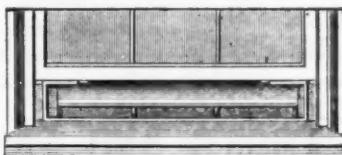
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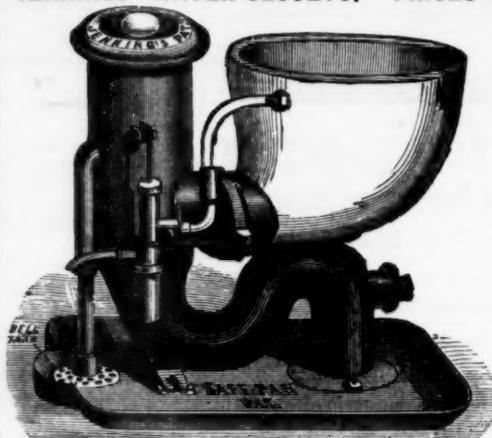
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# AMERICAN ARCHITECT AND BUILDING NEWS

A WEEKLY JOURNAL OF CONSTRUCTIVE AND DECORATIVE ART.

VOL. II. No. 81.]

SATURDAY, JULY 14, 1877.

[PRICE 15 CENTS.

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tion construction plans and estimates for any specific work.

## PROPOSALS.

## CONCRETE, STONE, CEMENT &amp; SAND.

OFFICE OF THE SUPERINTENDENT,

U. S. COURT HOUSE AND POST OFFICE,  
UTICA, N. Y., July 6, 1877.Sealed proposals will be received by the Board of Educa-  
tion of the City of Utica, N. Y., at the office of  
M. Selig & Co., up to one (1) o'clock, P. M., of Friday,  
July 20, 1877, for furnishing and hanging new sash, glass,  
and glazing the same, for the windows in the Athens school  
building. Also, for painting all the wood work and the in-  
side walls, and kalsomining the ceilings of the school build-  
ing. Bids for the whole or part of the work will be received.Each bid must be accompanied by a bond in the sum of  
five hundred dollars (\$500), with approved security for the  
faithful performance of the contract. The Board reserves  
the right to reject any or all bids.For further information or specifications, call on or address  
Isaac Half, Athens, O.

By order of the Board.

ISAAC HALF, GEORGE W. BAKER, JOS. M. DANA,  
Building Committee. 81.

## PAINTING AND GLAZING.

ATHENS, O.

Sealed proposals will be received by the Board of Educa-  
tion of the City of Athens, Athens County, O., at the office  
of M. Selig & Co., up to one (1) o'clock, P. M., of Friday,  
July 20, 1877, for furnishing and hanging new sash, glass,  
and glazing the same, for the windows in the Athens school  
building. Also, for painting all the wood work and the in-  
side walls, and kalsomining the ceilings of the school build-  
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faithful performance of the contract. The Board reserves  
the right to reject any or all bids.For further information or specifications, call on or address  
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By order of the Board.

ISAAC HALF, GEORGE W. BAKER, JOS. M. DANA,  
Building Committee. 81.

## SCHOOLHOUSE.

XENIA, O.

Notice is hereby given that sealed proposals will be re-  
ceived at the Superintendent's office of the Soldiers and  
Sailors' Orphan's Home, Xenia, Greene County, Ohio, up to  
1 o'clock, P. M., of August 3, 1877, for furnishing material  
and labor required in the construction of a schoolhouse on  
the Home grounds.Proposals must be in accordance with plans, specifica-  
tions, &c., now on file with the auditor of State, at Colum-  
bus, and a copy of which may be seen, during office hours,  
at the office of the Superintendent of the Home.Each proposal must be accompanied with a good and suffi-  
cient bond in the sum of \$1,000, conditioned that the bidder  
or bidders will, if awarded the contract, give bond as re-  
quired by law, for the faithful fulfillment of the same.Proposals under the different kinds of work, as shown by  
the plans, specifications, &c., must be for both material and  
labor.Contractors will be paid in monthly estimates, less five per  
cent as required by law, until the completion of the work.Said building will be required to be enclosed by the first  
day of December, 1877, and fully completed by the first day  
of July, 1878.The Board of Trustees reserves the right to reject any or  
all bids.

By order of the Board of Trustees.

(Attest) WM. S. FURAY, Secretary. 83

## TUNNEL.—Sealed proposals will be received

at the County Commissioners' Office, Cincinnati, O.,

until Wednesday, July 18, 1877, at twelve o'clock, M., for the

excavation, masonry, timber work, etc., necessary for the

construction of a tunnel and roadway under the Miami and

Erie Canal, on Mitchell Avenue, and a trunk for the pas-  
sage of boats during the construction of said tunnel. Plans  
and specifications to be seen either at this office or at the  
office of J. Garshaw, engineer, at north-west corner of  
Fourth and Race Streets. The successful bidder will be re-  
quired to furnish bonds in the sum of \$100,000, and no bid  
will be considered without the genuine signatures of persons  
willing to become security in the above amount, and  
owning unencumbered real estate to the amount of \$200,000  
on the Tax Duplicate of Hamilton County, O. The right to  
reject any or all bids is reserved.JOSEPH B. HUMPHREYS,  
Auditor of Hamilton County, O.

## ROCK.—Sealed proposals, in duplicate, will

be received at the United States Engineer Office, Rock

Island, Ill., until twelve, M., on the twenty-fifth of July,

1877, for furnishing Rock to be used in the construction of a  
dam and rip-rap above protection, for the improvement of  
Rush Chute, near Burlington, Io. All information and  
blanks can be obtained at this office. Proposals must be en-  
closed in a sealed envelope, and indorsed "Proposals for  
furnishing Rock for improvement of Rush Chute and Har-  
bor of Burlington, Io.," and addressed to  
J. N. MACOMB, Colonel Corps of Engineers.

## PROPOSALS.

## STEAM HEATING AND PLUMBING.

Sealed proposals for the steam heating and plumbing re-  
quired in the portions of the Insane Asylum now being  
built near the city of Topeka, Kan., will be received by the  
undersigned, until six o'clock P. M., Wednesday, Aug. 15, 1877.  
About 40,000 cubic feet of space is to be heated by indirect  
radiation; and the contractors will be required to furnish  
all boilers, tanks, pumps, etc., required to commence a  
thorough and complete system.Each proposal must be accompanied with a good and  
sufficient bond in the sum of \$1,000, conditioned that the  
bidder will, if award is made to him, enter into contract for  
the work, and furnish satisfactory bond for his faithful  
performance.The work is to be completed during the summer of 1878,  
but payments will be made on materials delivered sooner if  
required.

The right is reserved to reject any or all bids.

For further particulars, apply to the undersigned at Leav-  
enworth, Kan.

By order of the Board of Directors, F. T. CARR,

83. Architect and Supt. of Construction, EUCLID, O.

## SCHOOLHOUSES.—The Board of Educa-

tion of Euclid Township, O., will, until twelve, M., of

Saturday, July 21, 1877, receive proposals for the erection  
and completion of two (2) schoolhouses, said houses to be  
built according to the plans and specifications now in the  
Office of the Town Clerk. Said proposals must be accom-  
panied by surety for the fulfillment of contract. The Board  
reserves the right to reject any or all bids.

E. F. HASKELL, Town Clerk. 81

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sive boarding-houses, shops, and stone sheds, commodious  
wharves, with twenty feet of water at low tide. They have  
also railroads, Tillson's Powerful Patent Steam Cranes, of  
which the proprietor of the Island is sole owner, together  
with many other original appliances for quarrying and  
handling granite cheaply and expeditiously. The super-  
structure of the new U. S. Custom House and Post Office at  
St. Louis, Mo., a very beautiful and costly building, is fur-  
nished exclusively by this Company. Steamer Hurricane  
leaves Rockland at 12:30 P. M., daily, returning same after-  
noon.

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Table listing prices for DOORS, MOULDED.

Table listing prices for OUTSIDE BLINDS.

Table listing prices for INSIDE BLINDS.

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Table listing prices for HAIR - Duty free.

Table listing prices for LIME.

Table listing prices for LATH.

Table listing prices for LUMBER.

Table listing prices for PAINTS AND OILS.

Table listing prices for L. X. charcoal, 10 x 14.

Table listing prices for ZINC - Duty, sheet.

Table listing prices for LEAD.

BOSTON.

PRICES TO CONTRACTORS AND BUILDERS.

Table listing prices for FIRE BRICK.

Table listing prices for BUILDING BRICKS.

Table listing prices for LUMBER.

Table listing prices for PAINTS AND OILS.

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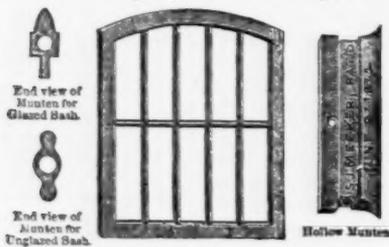
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**BUILDING INTELLIGENCE.**

[Reported for the American Architect and Building News.]

**A RECORD.**

Showing how buildings recently burned are to be replaced.

**BARRE, Vt.**—The Cottage Hotel, which was burned June 23, is to be replaced by a wooden building 26' x 42', which is to be used as a dwelling. E. R. Ordway is building it from plans by A. W. Lane.

**BURLINGTON, Io.**—The building occupied by J. S. Bell, which among many others was burned June 19, is to be replaced by a brick building. Mr. Dunham is the architect.

**CINCINNATI, O.**—The building occupied by Emerson and Fisher, which was burned May 2, causing a loss of some \$75,000, is to be replaced by them by a brick building which is to be used as a carriage factory.

**CLEVELAND, O.**—The grain-elevator occupied by Messrs. Otis & York, and which was destroyed by fire last year, is being rebuilt by Mr. Otis. The new structure will have a capacity for 75,000 bushels, and will cost from \$50,000 to \$60,000. Mr. John Watterson is the carpenter.

**ST. JOHN, N.B.**—McGee Bros. will replace their block, destroyed June 20, by a four-story structure 70' x 84'. It will have a granite foundation, brick walls, and iron columns, and will be used for stores and offices. The architects are McKean & Fairweather; masons, B. Mooney & Sons; carpenter, William Fowler.

**SUMMARY OF THE WEEK.**

Reports from the Principal Cities and Towns of the Country.

**Boston.**

**BRICK BUILDINGS, ETC.**—Six permits have been issued since our last report; among these are:—

McDonald & Macaulay, tenement-house, 30' x 26'.

Laming & Drisco, family hotel and stores, 110' x 122'.

Carl Fehmer (Hussey & Lowe, builders), Creighton House, 30 x 83, six stories.

Nath'l Adams, Mercantile Building, 59 x 76 five stories.

**WOODEN BUILDINGS.**—Twelve permits for wooden buildings have been issued since June 9. These include dwellings, stores, manufactories, etc., of the average size. The names of the builders are Alonzo Dexter, Frame & Patten, Angus Campbell, Benj. F. Ricker, James C. Reid, Andrew J. Tibbetts.

**ADDITIONS AND ALTERATIONS.**—The number of these is forty since our last report. The most important is an addition to Young's Hotel, which is owned by the "Fifty Associates." The improvement consists of a two-story building in the area, to be connected with the main edifice by marble steps. The dimensions are 22 x 34. The first story brick, and the second iron, with an iron and glass roof.

**CHURCH.**—Work has begun for remodeling and adding to the church edifice of the Ruggles-street Baptist society at the Highlands. It is to be done under the architectural supervision of T. W. Siloway of this city. The present edifice will be moved 18 feet nearer the street, and a brick addition of 36 feet by 73 feet to the rear end, with transepts, etc., will be added.

**STONE.**—A building 26' x 95' is to be built upon Congress and Milk Streets from plans of Mr. N. J. Bradlee, for Messrs. Fairbanks, Brown, & Co.

**ART BUILDING.**—Messrs. Snell and Gregerson have made drawings for the new building on Park Street, which is to be occupied by Messrs. Doll and Richards as an art gallery. It is to have a brown-stone front.

**STORES.**—Mr. Jonas Fitch is to build at the corner of Federal and Channing Streets a granite building 59' x 77'; it will be divided into two stores, each five stories high.

**APARTMENT-HOUSES.**—Four apartment-houses are now building on Columbus Avenue. The one at the corner of Berkeley Street is owned by L. C. Collamore, and will have a frontage of 174 feet. It will be five stories high, and will contain 266 rooms. There will be two entrances to each tenement; and the suites, of which there are 40, will be protected by independent brick walls and casing. The outside of the building will be brick, with Ohio free-stone finish. Mr. S. D. Kelley is the architect.

The hotel on the corner of Buckingham Street and Columbus Avenue will probably be finished early this fall. Plans have been sketched for a new hotel on the corner of Columbus Avenue and Ferdinand Street, but the work will probably not be begun this year. Another hotel is about to be built on the corner of Columbus Avenue and Isabella Street. The projector and owner is J. E. Brown.

**Chicago.**

**BUILDING-PERMITS.**—The following is a list of buildings for which permits have been issued during the week ending July 7, 1877: Michael Burke, two four-story and basement stone-front stores, each 42' x 155', Wabash Avenue; cost \$50,000; J. M. Van Osdel & Co., architects. H. Brinkmann, two-story and basement brick dwelling, 24' x 50', Wentworth Avenue and Twenty-Third Streets; cost \$3,500; John Jacobs, architect. Rev. John Waldron, basement for new Catholic Church edifice, 80' x 170', Eighteenth and Clark Streets; cost \$18,000; J. J. Eagan, architect. Max Hjortsberg, two three-story and basement stone-front dwellings each 23' x 61', Lasalle Street; cost \$16,000. Mrs. M. Miller, two three-story and basement stone-front dwellings, each 54' x 42', Morgan and Monroe Streets; cost \$12,000; William Longhurst, architect. E. A. Swalfeld, three-story and basement stone-front dwelling, 22' x 36', at 246 North Lasalle Street; cost \$4,000; L. G. Hallberg, architect. Freil Miller, three-story and basement brick dwelling 25' x 60', at 302 Twenty-second Street; cost \$5,000. Peter Britten, three-story and basement stone-front dwelling 24' x 44', at 450 Dearborn Avenue; cost \$7,500; Theo. Karls, architect. E. Smith, three-story and basement brick store and dwelling, 22' x 28', at 289 Division Street; cost 2,500; A. Waescher, architect. W. A. Phelan, two-story and basement brick store and hall, 38' x 68', at 441 West Ind. Street; cost \$7,500; Baiten and Zittel, architects. H. J. Senzen, three-story and basement stone-front dwelling, 25' x 70'; Rush, near Pearson Street; cost \$3,000; William N. Arewd, architect. Chicago Western Division Railway Co., two brick barns, 78' x 122', O'Neil Street; cost \$8,500. Charles Gorloff, four three-story brick dwellings, each 20' x 42. Charles Gorloff, eight two-story brick dwellings, each 20' x 32, Keely Street; cost \$30,000. Total for week, 27. Total cost, \$172,500. Cost of improvements and additions to other buildings previously erected, \$35,700.

**REVIEW OF THE MONTH.**—The following is a summary from the report of the superintendent of buildings for the month of June, 1877, and for six months ending June 30, 1877:—

	June 1877.	June 1876.	6 Months 1877.	6 Months 1876.
One story buildings....	15	17	113	70
Two story buildings....	35	30	162	124
Three story buildings....	2	1	12	1
Four story buildings....	1	1	1	1
Five story buildings....	1	1	1	1
One story and basement buildings....	4	0	31	54
Two story and basement buildings....	50	48	236	184
Three story and basement buildings....	26	71	115	181
Four story and basement buildings....	0	12	34	43
Five story and basement buildings....	1	1	6	1
Six story and basement buildings....	1	1	1	1
Totals.....	144	196	713	658

**COST OF BUILDINGS.**

June, 1877.....	\$768,400.00
June, 1876.....	1,013,000.00
January 1 to June 30, 1877.....	2,955,500.00
January 1 to June 30, 1876.....	3,125,500.00

	June 1877.	June 1876.	6 Months 1877.	6 Months 1876.
Stores.....	6	18	41	73
Stores and dwellings....	29	17	127	84
Dwellings.....	69	147	383	409
Manufactories.....	3	3	27	11
Churches.....	1	1	2	2
Public and office buildings.....	1	1	4	4
Barns and stables.....	25	31	89	72
Miscellaneous.....	9	1	36	6
Totals.....	144	196	713	658

No. of stone fronts.....	46	117	224	329
No. of brick fronts.....	98	73	485	329
Totals.....	144	196	713	658

**Cincinnati.**

Building operations in this city at this time are very brisk; a great many small buildings are going up, which, together with such large ones as the Government Building, Shillito's, and the Music Hall, make a very creditable showing.

**ST. NICHOLAS HOTEL.**—Mr. A. C. Nash has in hand two important commissions. One is the remodeling and enlargement of the St. Nicholas Hotel, which at present is 60 feet front on Fourth Street and 150 feet on Race Street, standing back, however, some 20' from 4th St. It is proposed to straighten out the old parts and build on an addition 40' x 150' on the east, which is to be four stories high, and a fourth story will be added to the present building. The cost is as yet very indefinite. This improvement is for the Carlisle estate, as is a second one which Mr. Nash is now perfecting, a flat-hotel, corner of Eighth and Bay Miller Streets. The arrangement of this house is such that the suites of rooms can be let as suites, or in two or more stories to each compartment. Iron doors will shut each compartment off from all others. The building is complete in all respects, and will cost about \$60,000.

**DWELLING-HOUSES.**—Mr. James K. Wilson

is now preparing drawings for a row of ten houses to be built on Mt. Auburn, overlooking the city, 200 feet front by 78 feet deep, fronts to be built of blue limestone with freestone finish, dividing walls of brick, three stories high; third story to be steep or French roof. Owner, H. D. Huntington; cost about \$70,000.

**Indianapolis.**

**BUILDING-PERMITS.**—The building-permits filed in the city clerk's office from May 8 to July 1 are for a cheap class of building, aggregating \$52,000.

**CURRENT WORK.**—H. R. Hubener has on hand a business block for C. Beck, office for Dr. Scheller, brick stable for C. F. Schmidt, business block for W. Bagman, and remodeling store for J. Huges.

Ketchan and Gibson have on hand a dwelling-house for D. W. Loevett at Greensburg, a cottage for W. Allen at Woodruff Place, and a church at Hagerstown, Ind.

J. H. Stern has just completed a wooden dwelling-house at Eaton, O., for Elam Fisher, cost unknown at present; all the frame timbers are dressed and chamfered, and painted a light gray color. The foundation is uncoursed rubble stone; interior is finished in black walnut.

A church at Utica, Ind., and a greenhouse at Woodruff Place near Indianapolis, for T. Lewis. The building is 82 x 72 in the form of the Greek T. The timbers are all solid and framed together and chamfered; the glass is fitted into timber; no sash is used. A ventilator is built along the top of roof the whole length and depth of building, which provides for ample ventilation. In the centre is a dome 30 feet high, underneath which will be placed a fountain.

**THE NEW CAPITOL.**—The State House Commissioners, aided by the experts, are at work examining the four designs; they will perhaps arrive at a decision in a few days.

**COURT HOUSE.**—The Marion County Court House was dedicated on the 4th; the building has cost about \$1,400,000.

**ACCIDENT.**—One of the spires of the Meridian-street Church was blown down during a heavy gale last week. The timbers were not of sufficient strength, and were broken off at the base where they were joined to the stone wall. Two of the turrets were blown down some time since, breaking the stone flagging. The church has just been built, B. V. Enos and Son, architects.

**New York.**

**BUILDINGS PROJECTED FOR WEEK ENDING JULY 10.**—Nine in number, consisting of stores, offices, flats, dwellings, etc. Total value, \$275,000.

Owners.	Architects.	Builders.
John Fish.....	Julius Bockell.....	John Fish.....
W. H. Gunnell.....	Stephen D. Hatch.....	John Baurer.....
Barnard Reilly.....	Thomas McAvoy.....	John Baurer.....
*M. M. Van Buren.....	B. W. Warner.....	John Baurer.....
Orient. Mut. Ins. Co.....	A. H. Thorp.....	S. Lowden.....
W. T. Craft.....	James E. Ware.....	W. T. Craft.....
E. Gercke.....	W. F. Wedmayer.....	W. Watter.....
Wm. H. Johnson.....	Bronstein & Green.....	W. Watter.....

\*First class store. No. 5, 7, and 9 Union Square. Iron \$110,000. Office building. No. 43 Wall Street. Marble \$125,000.

**LIBRARY BUILDING.**—The Mercantile Library Association has \$70,000 set aside as a fund for a new building. The managers are looking for a site between Twenty-third and Thirty-fourth Streets.

**Philadelphia.**

**REVIEW OF THE PAST MONTH.**—During the month of June the building inspectors issued 630 permits for the erection of new buildings and for alterations. The following is the summary of the work: Dwellings, two-story, 275; three-story, 193; stores and dwellings, one-story, 1; three-story, 8; stores, one-story, 4; three-story, 1; alterations and additions, 79; back buildings, 34; stables, 13; shed, 1; asylum building, 1; shops, 2; market-houses, 2; school buildings, 2; foundry, 1; slaughter-house, 1; dye-house, 1; warehouse, 1; church, 1; elevator, 1; office, 1.

**THE CATHEDRAL.**—The interior of the Roman Catholic Cathedral, Eighteenth Street, above Race, has been undergoing extensive improvements and alterations. A large carved oak pulpit has just been completed, together with two elegant altars of fine Italian marble. The latter will be surmounted by a number of fine statues, which are to be brought from Europe. Both were built by Mr. Joseph E. Burk of this city, from the designs of Napoleon Le Brun, the architect of the cathedral. The dimensions of each are 15 feet 7 inches long and 7 feet 8 inches to the summit of the tabernacle, above which is to be placed an appropriate marble statue. Their cost, without statuary or ornament other than the carvings on each altar, was about \$6,000 apiece.

**St. Louis.**

**BUILDING-PERMITS.**—Twenty-six building-permits were issued for the week ending July 6. Those for buildings costing \$2,500 and over

were as follows: M. S. Bowman, brick dwelling, 3 stories, 10 rooms, estimated cost \$5000; S. B. Voris, brick dwelling, 2 stories, 8 rooms, estimated cost \$3,500.

General Notes.

FALL RIVER. — A new company, the Corbitant, is to be formed in Fall River. It will erect another print cloth mill.

FALMOUTH, KY. — There is to be a new Catholic church to cost \$15,000.

HARTFORD, CONN. — A. M. West has just completed sketches for the proposed alterations and additions to the Hartford Female Seminary.

JERSEY CITY, N.J. — The corner-stone of the new Roman Catholic college on Grand Street, Jersey City, will be laid on July 15. The building is to be erected upon four lots 162 feet deep. The building containing the class rooms will be 51 x 65 feet on the ground; and the residence of the fathers, professors, and tutors, 93 x 30 feet. The buildings are to be five stories high, and will be of Philadelphia brick and Newark brown stone. The chapel will be on the second floor of the college building, the library on the third, and the museum on the fourth.

LOUISVILLE, KY. — Mr. A. J. Billard is building a four-story brick building.

MARIETTA, O. — Contracts for two new school buildings have been awarded to John Hall and William Harris of this city.

NEWBURYPORT, MASS. — At the Church of the Immaculate Conception improvements are to be made. A new porch and door are to be built at the east corner, and the present doors enlarged, and made to swing outward. There is also to be a general improvement of the whole Green-street front.

PERU, IND. — Messrs. N. O. Ross, F. G. and Jacob Miller are erecting a fine brick block on Main Street, containing 3 large business rooms.

PORTSMOUTH, O. — Contract has been made for the erection of the long-talked-of soldiers' monument. It is to stand in the centre of the park.

SYRACUSE, N.Y. — Chancellor Haven of Syracuse University, has raised by personal efforts \$9,000 for the new building of the medical department of that institution.

WEST ORANGE, N.J. — The corner-stone of the new chapel and Sunday school of St. Mark's Church has been laid. The chapel will be built of brown stone, and of the Gothic order, to correspond with the church.

WILBRAHAM, MASS. — The North Congregational society have decided to build a new church.

INDEX OF CURRENT WORK.

Giving information concerning important buildings now unfinished.

- Boston, Mass. CHURCH. — Cost, \$75,000. Mr. John Welch, architect, Brooklyn, N.Y. FAMILY HOTEL. — O. Wentworth, builder. FAMILY HOTEL. — S. B. Gay, owner. G. F. Meacham, architect. Woodbury & Leighton, builders. HERALD BUILDING. — Carl Felmer, architect. HOTEL. — Hotel Sumner. E. B. Horn, owner. Messrs. Appleton & Stephenson, architects, Boston, Mass. Brooklyn, N.Y. GAS WORKS. — Starr & Son, contractors, Camden, N.J. HOSPITAL. — Church Charity Foundation of the Protestant Episcopal Diocese of Long Island \$450,000. Chicago, Ill. APARTMENT HOUSE. — C. P. Thomas, architect. \$16,000. CHURCH. — Jefferson Park Presbyterian. J. C. Cochran, architect. STORE. — D. W. Kendall, architect. \$32,000. Cincinnati, O. STORE. — Alms & Doepke, owners. Hannaford & Procter, architects. STORES. — John Shillito, owner. Jas. W. McLaughlin, architect. Music Hall. — Hannaford & Procter, architects. Cleveland, O. CHURCH. — Second Presbyterian Church. Mr. Jos. Ireland, architect. HIGH SCHOOL. — Brooks & Linus, contractors. L. T. Scofield, architect. \$73,890. CHURCH. — St. Bridget's Roman Catholic Society. Dunn & Charlott, architects. \$30,000. ASYLUM. — Home for Aged Poor. Cadell & Richardson, architects, Cleveland, O. Indianapolis, Ind. CHURCH. — Second Presbyterian Church. B. V. Enos & Son, architects. CHURCH. — Heights Congregational Church. Walter Blythe, architect. BLOCK OF STORES. — Corner Erie Street and Woodland Avenue. Grise & Welle, architects and builders. New Haven, Conn. FACTORY. — Seamless Rubber Co., owners. OPERA HOUSE. — New Haven Opera House Co. Nicholas Countryman, contractor. New York. CONVENT OF THE SISTERS OF ST. JOHN. E. G. Littell, architect. CHURCH. — Roman Catholic Church, West Fifteenth Street. Cost, \$150,000. Philadelphia. CHURCH. — Church of the Transfiguration, Rev. J. K. Kayes. CHURCH. — South-street Presbyterian Church. CHURCH. — Central Presbyterian. Collins & Autenreith, architects. G. Watson, builder. General. ANN ARBOR, MICH. — Court House. Mr. Bunting, architect, Indianapolis, Ind.

- ARCADIA, Wis. — Court House and Jail. C. G. Maybury, architect, Winona, Minn. \$25,000. BELFAST, ME. — Masonic Temple. G. M. Harding, architect, Boston, Mass. EAST HARTFORD, CONN. — Catholic Church. FARRIATLT, MINN. — Deaf, Dumb, and Blind Asylum. J. Babcock & Co., contractors. \$33,430. FITCHBURG, MASS. — B. C. F. & N. B. R. Depot. GALVESTON, TEX. — Cotton Exchange. Gibbs & Moser, architects. GARDEN CITY, L.I. — Stewart Memorial Church. H. G. Harrison, architect. HARTFORD, CONN. — Trinity College. T. H. Kimball, supervising architect. HOBOKEN, N.J. — St. Mathew's Church. Mr. H. Englebert, architect, New York. HOLYOKE, MASS. — Hotel and Opera House. William Whiting, owner. NORTHAMPTON, MASS. — Church. Peabody & Stearns, architects, Boston, Mass. PORTSMOUTH, N.H. — Opera House. Heirs of John W. Peirce. PROVIDENCE, R.I. — City Hall. S. J. F. Thayer, architect, Boston.

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The American Architect and Building News.

PUBLISHED WEEKLY BY JAMES R. OSGOOD & CO., WINTHROP SQUARE.....BOSTON.

A JOURNAL OF CONSTRUCTIVE AND DECORATIVE ART, DEVOTED TO THE INTERESTS OF ARCHITECTS, BUILDERS, DECORATORS, ETC.

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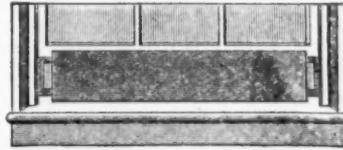
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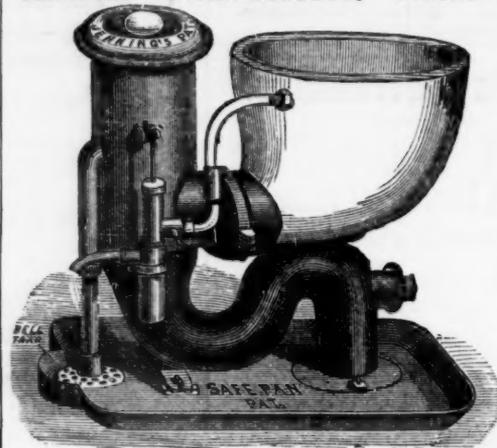
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Mr. HOTT will be pleased to wait upon Architects, when desired, to explain our methods, and to present for inspection construction plans and estimates for any specific work.

COMPETITIONS.

SOLDIERS' MONUMENT. MANCHESTER, N.H. The Committee appointed by the City Government of Manchester, New Hampshire, will receive, to August 10, Proposals for a Soldiers' Monument, not to exceed in cost \$30,000. Proposals must be accompanied by plans, elevations, details, drawings, and specifications. LEVI L. ALDRICH, for the Committee.

INSANE ASYLUM. PENNSYLVANIA.

Proposals for Plans for the new Hospital for the Insane, for the South-eastern District of Pennsylvania.

At a meeting of the Commission appointed to select a site and erect a new Hospital for the Insane, for the South-eastern District of Pennsylvania, held Saturday, April 7, 1877, the following resolutions were adopted:—

Resolved, That architects generally be invited to furnish plans for a segregate system of hospital buildings for the insane, which plans shall embrace a general ground plan, and a plan in elevation for at least one or more wards, and an administrative building; also plans showing the internal arrangements of at least one ward, a system of heating and ventilation, cooking, water-supply, drainage, lighting—in fact, all the requirements for the new Hospital for the Insane for the South-eastern District of Pennsylvania. The said plans to be in accordance with such general specifications and plans, which will be furnished to said architects by the Committee on Plans and Building after adoption by this Commission. Said plans must be accompanied by an estimate of the cost of all the hospital buildings when completed and ready for occupancy, and they must be within the amount appropriated by the Act of Assembly.

Resolved, That the sum of three hundred (\$300) dollars be paid to each of five architects whose plans shall be selected by this Commission from the entire number of plans submitted to the Committee on Plans and Building (which shall be in full for all plans and specifications and services), which plans and specifications shall be the property of this Commission.

Resolved, That from the number of architects competing for said work, one or more shall be selected for the position of architect or architects to erect the said hospital, provided the Commission deem it to be in the best interests of the work to make such appointment. Said appointment or appointments shall be governed by such future conditions as may be made by this Commission.

Architects desiring to furnish competitive plans for this work can obtain the printed specifications from any member of the Commission, or from THOMAS G. MORTON, M.D., Chairman of the Commission, Committee on Plans and Building, Commissioners.—Joseph Patterson, Esq., Western Bank, Philadelphia; Thomas G. Morton, M.D., 1421 Chestnut Street, Philadelphia; H. M. Howe, M.D., 1,606 Locust Street, Philadelphia; James S. Chambers, 25 South Seventh Street, Philadelphia; Henry T. Darlington, Esq., Doylestown, Bucks County; L. W. Read, M.D., Norristown, Montgomery County; W. H. Miller, Esq., Hornesville, Delaware County; George F. Smith, Esq., West Chester, Chester County; W. T. McAllister, Esq., Allentown, Lehigh County; John Shouse, Esq., Easton, Northampton County.

PROPOSALS.

STEAM HEATING AND PLUMBING.

Sealed proposals for the steam heating and plumbing required in the portions of the Insane Asylum now being built near the city of Topeka, Kan., will be received by the undersigned until six o'clock, P.M., Wednesday, Aug. 15, 1877. The bids will be opened by the Board of Directors at the Topeka Hotel in the City of Topeka, at 7 o'clock, P.M., on the same day. About 40,000 cubic feet of space is to be heated by indirect radiation; and the contractors will be required to furnish all boilers, tanks, pumps, etc., required to commence a thorough and complete system.

Each proposal must be accompanied with a good and sufficient bond, in the sum of \$1,000, conditioned that the bidder will, if award is made to him, enter into contract for the work, and furnish satisfactory bond for its faithful performance.

The work is to be completed during the summer of 1878, but payments will be made on materials delivered sooner if required.

The right is reserved to reject any or all bids. For further particulars, apply to the undersigned at Leavenworth, Kan. By order of the Board of Directors, E. T. CARR, Architect and Supt. of Construction.

PROPOSALS.

ROCK ISLAND, ILL. Sealed proposals, in duplicate, will be received at the United States Engineer Office, Rock Island, Ill., until twelve, M., of the twenty-fifth of July, 1877, for furnishing Rock to be used in the construction of a dam and rip-rap shore protection, for the improvement of Rush Chute, near Burlington, Io. All information and blanks can be obtained at this office. Proposals must be enclosed in a sealed envelope, and indorsed "Proposals for furnishing Rock for Improvement of Rush Chute and Harbor of Burlington, Io.," and addressed to J. N. MACOMB, Colonel Corps of Engineers.

SCHOOLHOUSE.

XENIA, O. Notice is hereby given that sealed proposals will be received at the Superintendent's office of the Soldiers' and Sailors' Orphans' Home, Xenia, Greene County, Ohio, up to 1 o'clock, P.M. of August 3, 1877, for furnishing material and labor required in the construction of a schoolhouse on the Home grounds.

Proposals must be in accordance with plans, specifications, &c., now on file with the auditor of State, at Columbus, and a copy of which may be seen, during office hours, at the office of the Superintendent of the Home.

Each proposal must be accompanied with a good and sufficient bond in the sum of \$1,000, conditioned that the bidder or bidders will, if awarded the contract, give bond as required by law, for the faithful fulfillment of the same.

Proposals under the different kinds of work, as shown by the plans, specifications, &c., must be for both material and labor.

Contractors will be paid in monthly estimates, less five per cent as required by law, until the completion of the work.

Said building will be required to be enclosed by the first day of December, 1877, and fully completed by the first day of July, 1878.

The Board of Trustees reserve the right to reject any or all bids.

By order of the Board of Trustees, Wm. S. FURAY, Secretary.

IRON ROOF TRUSSES.

CINCINNATI, O. The Cincinnati Music Hall Association will receive written proposals until noon of Saturday, August 11, 1877, for the construction and placing in position of the iron trusses for the roof of their proposed hall, according to the plans and specifications prepared by Hamford & Proctor, architects, and to be seen at their office, Nos. 37 and 38 Johnston Buildings, Cincinnati.

Alternative proposals will also be received at the same time for the same work, according to bidders' own plans, but such bids must be accompanied with plans and specifications.

All bids must state the number of days within which the work will be completed after the contract is let. Time is important.

The Trustees reserve the right to reject any or all bids. Proposals should be addressed to JULIUS DEXTER, Secretary Cincinnati Music Hall Association, 18 Cincinnati College.

CONCRETE, STONE, CEMENT & SAND.

OFFICE OF THE SUPERINTENDENT, U. S. COURT HOUSE AND POST OFFICE, UTICA, N. Y., July 6, 1877. Sealed proposals will be received at this office until 12 M., on the 18th day of July, 1877, for furnishing and delivering at the site of the U. S. Court House and Post Office at Utica, N. Y., for foundations, 500 cubic yards, more or less, of granite, or other hard, durable stone, broken to size of hens' eggs, and stable for concrete; 750 barrels, more or less, of hydraulic cement, 300 lbs. per barrel; and 170 cubic yards, more or less, of clean, sharp river sand.

Full information as to the quality of materials, and time and place of delivery, may be had on application at this office.

JOHN BEST, Superintendent.

IRON-WORK.

CITY HALL, BOSTON. WATER BOARD OFFICE, July 12, 1877.

Sealed Proposals, indorsed "Proposals for furnishing and setting sluice-gates and other iron-work," will be received at this office until 12 o'clock, M., of Thursday, the 26th day of July, 1877, at which place and time they will be publicly opened and read.

Bidders are required to state in their proposals their names and places of residence, and to declare that the proposal is in all respects fair, and made without connection or collusion with any other person making proposals for the same work. They will give a price for each separate item of the work, by which the bids will be compared.

The prices proposed must be stated both in writing and in figures, and all proposals containing bids not called for in this advertisement will be considered informal. Each bid must be signed by the bidder, and accompanied by a written bond for \$1,000, of a responsible person, giving his place of business or residence, and conditioned for the execution of the contract (with a satisfactory bond for its performance) within the time specified in this advertisement, in case the bid be accepted; or in lieu of the bond to accompany the bid, a sum of money or other satisfactory collateral security, in the same amount, may be deposited with said Water Board; but the bond for the performance of the contract must be a written bond, with satisfactory sureties.

The person or persons to whom the contract may be awarded will be required to appear at this office, with the securities offered by him or them, and execute the contract within four days (not including Sunday) from the date of notification of such award, and the preparation and readiness for signature of the contract.

The work is to commence within ten days after the execution of the contract, and to be continued with regularity until its completion, which completion must be before the 1st day of September, 1878.

The bids will be compared on the basis of the following schedule, viz:—

- (a) 3 sluice-gates, with hoisting apparatus, etc., 6 ft. high, 5 ft. wide.
(b) 4 sluice-gates, with hoisting apparatus, etc., 6 ft. high, 4 ft. wide.
(c) 5 sluice-gates, with hoisting apparatus, etc., 5 ft. high, 4 ft. wide.
(d) 5 sluice-gates, with hoisting apparatus, etc., 4 ft. high, 5 ft. wide.
(e) 8 sluice-gates, with hoisting apparatus, etc., 4 ft. high, 4 ft. 6 in. wide.
(f) 4 sluice-gates, with hoisting apparatus, etc., 4 ft. high, 4 ft. wide.
(g) 8 sluice-gates, with hoisting apparatus, etc., 2 ft. 6 in. high, 2 ft. 6 in. wide.
(h) 9 iron floors, with railings and ladders, etc.
(i) 10 sets of stop-plank cross-frames.
(j) 2 revolving screens and their appurtenances.
(k) 2 check-valves.

Specifications may be obtained at the office of the City Engineer, City Hall, Boston, and plans may be seen at the Engineer's office of the Boston Water Works at South Framingham.

The amount of the bond required will be such sum as may be fixed by the Water Board after the proposals are opened; said sum not to be less than one-fourth nor more than two-thirds of the amount of the contract.

The Water Board reserves the right to reject any or all bids, should it deem it to be for the interest of the City of Boston so to do.

T. T. SAWYER, Chairman Boston Water Board.

[Continued on page vi.]

BUILDING MATERIALS.

[Reported for the American Architect and Building News.]

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Table with columns for material names (CEMENT, FIRE BRICK, DOORS AND BLINDS) and prices.

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CHICAGO.

PRICES TO CONTRACTORS AND BUILDERS.

Table with columns for material names (BRICK, LIME, AND CEMENT) and prices.

Table with columns for material names (LUMBER (MICHIGAN PINE)) and prices.

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**BUILDING INTELLIGENCE.**

[Reported for the American Architect and Building News.]

**A RECORD.**

Showing how buildings recently burned are to be replaced.

**LOWELL, MASS.**—The carriage manufactory occupied by Messrs. Hill Bros., which was burned June 28, causing a loss of \$60,000, is to be replaced by a brick building 44' x 160', with an L. Wilder Bennett, mason; Merrill & Calif. carpenters.

**MARBLEHEAD, MASS.**—There is an effort being made to form a company to build a brick manufacturing block to surround a triangular piece of land opposite the depot, containing about one acre, in the centre of which is to be the motive power for the whole block. The estimated cost is \$100,000, including land. William C. Lefavour has contracted with John S. Martin for a three-story wooden shoe factory 26' by 80'. Henry F. Pitman will probably rebuild the Wilkins shoe factory of wood, three stories, 26' by 120'. W. J. Goldthwaite will probably build a double shoe factory of brick, three stories, 40' by 120'. Joshua O. Lefavour will probably build a business block of brick, corner of Pleasant and School Streets. The Rechabite Society will build a three-story building of brick, for hall and stores. T. T. Paine will rebuild large wooden stable and business block.

**St. JOHN, N. B.**—Robert Blair is to erect at once a brick residence on Orange Street, two stories high, with a flat roof. It will be 36' by 36', with an L 17' by 40'. Smith & Dunn have prepared the plans.

**Louis Ansley**,—brick building on King Square, south side, 42' by 35', with an L 26' by 33', two stories, with slated mansard roof. It is to have two stores, and the upper part will be used for a dwelling. Smith & Dunn, architects.

**St. PAUL, MINN.**—The Greenman House, a family hotel which was destroyed by fire a few weeks ago, is to be rebuilt of brick, with a fourth story added. It will be called "The Windsor" hereafter.

**SUMMARY OF THE WEEK.**

Reports from the Principal Cities and Towns of the Country.

**Boston.**

**BRICK BUILDINGS, ETC.**—Nine permits for brick buildings have been issued since our last report, as follows:—

Webster & Dixon, dwelling, 26' by 70'.  
L. P. Soule & Cressy Noyes, family hotel, 80' by 70', Northampton Street.  
Standish & Woodbury, dwelling, 26' by 70', Commonwealth Avenue.  
Fred. H. Tarbox, dwelling, 24' by 65', Boylston Street.

George D. Cox, dwelling, 22' by 36'.  
Webster & Dixon, store and manufactory of picture frames, 30' by 78', No. 2 Park Street.  
J. W. Coburn & Co., family hotel and stores, 72' 8" by 127' 3", Washington and Williams Sts.

Louis Weissbein, stable, 44' 8" by 95' 9", rear of Fynchon Street, for John Roessle.

S. J. Tuttle, mercantile building, 26' 6" by 94' 10", freestone front, Milk and Congress Streets (Messrs. Fairbanks & Brown's building).

**REPAIRS AND ALTERATIONS.**—About fifty permits have been granted for repairs, etc., during the past week.

**WOODEN STRUCTURES.**—The names of Thomas W. Wood, Edward Gruttner, George D. Cox, Michael Ryan, and John D. Webster appear as the builders of wooden structures, which comprise dwellings, stables, and workshops.

**REVIEW OF THE YEAR.**—The semi-annual report of the Inspector of Buildings shows that during the last six months 144 permits were issued for brick, stone, and iron buildings; 269 for wooden and frame buildings, and 1,505 for additions and alterations. They are classified as follows: 81 dwellings, 1 church, 9 family hotels and tenement houses, 3 family hotels, tenement houses and stores, 7 markets, 10 mercantile buildings, 3 workshops. Permits were also issued for 50 stables, 12 stores, 7 manufacturing buildings, 3 mechanical, and 9 dwellings and stores.

**Chicago.**

Following is a list of buildings for which permits have been issued during the week ending July 14, 1877: James W. Scoville, four-story and basement brick manufactory, 40' x 73', corner Washington and Desplains Street; cost \$15,000; Burling & Adler, architects. E. C. Cole & Henry Towne, 6 two-story and basement stone-front dwellings, each 17' x 62'; Ogden Avenue; cost \$30,000; A. Smith, architect. T. C. Clark, 2 three-story and basement brick apartment houses; North Avenue; cost \$13,000; C. P. Thomas, architect. Ignatz Schissle, two-story and basement brick dwelling, 22' x 40', at

97 Townsend Street; cost \$3,500; C. Klambek & Co., architects. Christian Zeeber, two-story and basement brick dwelling, 22' x 50', at 876 North Halsted; cost \$3,500. Mrs. S. E. R. Smith, three-story and basement brick dwelling, 26' x 60'; Dearborn Avenue near Pearson Street; cost \$8,500; W. H. Wilcox, architect. Henry Engleking, 6 two-story and basement stone-front dwellings, each 20' x 49'; Polk, corner Hermitage Avenue; Henry Engleking, 9 two-story and basement brick dwellings, each 20' x 49'; Hermitage Avenue; cost \$45,000; George H. Edbroke, architect. J. B. Mullikin, four-story and basement brick store and office building, 30' x 80'; at 122 Fifth Avenue; cost \$15,000; E. E. Mayers, architect. Henry Grafe, two-story and basement brick dwelling, 22' x 32'; Hurlburt Street and Clybourne Avenue; cost \$2,500. A. B. Johnson, 3 three-story and basement stone-front stores and dwellings, each 19' x 64'; Halstead and Hubbard Streets; cost \$12,000; Eagan & Hill, architects. Peter Mooney, 2 three-story and basement brick dwellings, each 29' x 42'; 102, 104, Dearborn Avenue; cost \$9,000; A. Smith, architect. C. F. Bulekley, 2 two-story and basement brick dwellings; each 22' x 36'; 410, 412, Park Avenue; cost \$6,100. M. Brand, two-story and basement brick dining-room, 44' x 36'; Clark and Erie Streets; cost \$4,000; C. H. Gottig, architect. Henry Reuthling, 2 three-story and basement brick stores and dwellings, each 23' x 60'; at 128, 130, North Market Street; cost \$9,000; Treat & Foltz, architects. T. Allmendinger, three-story stone-front dwelling, 25' x 68'; Cass and Pearson Streets; cost \$7,000; Cobb & Beers, architects. Perry H. Smith, two-story brick barn, 20' x 60'; Pine and Huron Streets; cost \$7,000. Cudell & Blumenthal, architects. Total for the week, 41. Total cost, \$190,000. Cost of improvements and additions to buildings previously erected, \$20,300.

**Cleveland.**

**DWELLINGS.**—Judge J. P. Bishop is building a block of three dwellings on Prospect Street. They will be 66 feet front, three stories in height, brick, with stone finish. Mr. A. A. Axtel is the contractor. They will cost about \$18,000.

**STORES.**—A block of stores is to be built on the corner of Ontario and Huron Streets by Mrs. S. B. Childs. There will be three stores on Ontario Street, and one on Huron Street. It will be of brick, with stone finish. It will cost about \$14,500. Mr. A. Koehler is the architect. Messrs. J. D. Copperfield and A. J. Piper are the contractors.

**BRIDGES.**—The contract for the iron swing bridge at Lower Central Way has been awarded to Mr. H. B. Claffen of this city, at \$41.00 per foot. It is about 165 feet long.

The contract for the bridge over the Sandusky River at Fremont, O., has been awarded to the King Iron Bridge Co. of this city, for \$14,755.05.

**St. Louis.**

Twenty-four permits have been issued for the week ending July 13, chiefly for brick buildings with brick or stone fronts. Those worth \$2,500 and over are as follows:—

Owners.		Value.
St. Louis Mutual Building Association.....	3 story dwellings, 8 rooms.	\$14,000.00
T. T. Gaut.....	4 story stores and offices, 28 rooms.....	11,000.00
H. Dreestkamp.....	2 story dwellings, 12 rms.	5,000.00
I. Suter.....	2 story dwellings, 18 rms.	4,500.00
H. Schmitt.....	3 story dwellings, 8 rooms	3,000.00
William Grovemer.....	3 st. store and dw'g, 13 ra.	4,000.00
George Partridge.....	3 story dwelling, 12 rooms	6,800.00
C. A. Farris and Bennett Estate.....	4 st. stores and offices, 50 rs.	50,000.00
Mrs. B. Morrison.....	4 story store, 4 rooms. Alterations.	4,000.00
H. C. Erman.....	2 st. store and dw'g, 13 rs.	3,800.00
H. S. Turner.....	2 story dwelling, 40 rooms.	15,000.00
E. W. Ross.....	2 story dwelling, 7 rooms.	3,000.00

**General Notes.**

**BURLINGTON, VT.**—Burlington is to have new water-works. For the past ten years the city's water has been pumped from the lake, at a cost of from \$3,000 to \$9,000 a year; but the machinery is nearly worn out, the water tainted by the increased sewage emptied into the bay, and the quantity is insufficient. One plan proposed is to run a large pipe a third of a mile into the lake beyond the breakwater, using a stand-pipe at the reservoir; and the other and favorite plan is to allow parties who want the contract to bring water from the Winooski gorge, paying them some \$7,000 a year for ten years, when the city should take possession of the works.

**CENTRE GROTON, CONN.**—The Baptists will begin the erection of a new chapel about the 1st of September.

**CHICOPEE FALLS, MASS.**—A small church, to cost about \$10,000, is to be built.

**DUBUQUE, IO.**—On July 10 was laid the corner-stone of St. John's Episcopal Church. The walls of the building are about half up.

**HARTFORD, CONN.**—Work on the marble

dome of the State Capitol will probably be begun shortly. The dome or iron framework will when finished be 265 feet high from the ground, inclusive of the crowning symbolic statue with which it will be surmounted. This marble statue, a winged female figure twelve feet high, which is intended to represent the Genius of Connecticut, is in process of execution at Rome by the artist Rogers.

**HOLYOKE, MASS.**—Lynch Bros. will do the brick-work on Metcalf & Luther's new Dwight-street building. Some 40 men are now at work on the brick-work of the new Whiting block.

**ROME, GA.**—Contracts for the Shorter Female College and Chapel have been let to J. A. Cooley, contractor. The building is to cost \$20,000. The same contractor has the work upon the Masonic Temple, to cost \$16,500. Mr. A. C. Bruce of Knoxville, Tenn., is the architect of both the above buildings.

**SACHT ST. MARIE, MICH.**—Messrs. William Scott & Co. of Detroit have just completed plans for the Court House. The building is 50' by 80', with court room 38' by 48', and 8 offices with fire-proof vaults. It is to be built of Drummond Island stone, finished with Marquette brown sandstone. It will cost \$20,000.

**SOUTHBRIDGE, MASS.**—The ceremony of laying the corner-stone of the new St. Peter's Catholic Church was performed last Sunday. The building is to be of wood, with a seating capacity of 2,000.

**SPRINGFIELD, MASS.**—Messrs. Ferry & Gardner have completed the drawings for the new building for the Springfield Republican. It is to have a granite front, and is to be four stories high.

**STAFFORD SPRINGS, CONN.**—Mr. George Paliser has prepared plans for a bank building to cost \$15,000.

**WOODSBURG, LI.**—The corner-stone of the new edifice of Trinity Church, now building, was laid July 12.

**INDEX OF CURRENT WORK.**

Giving information concerning important buildings now unfinished.

**Boston, Mass.**

**CHURCH.**—Cost, \$75,000. Mr. John Welch, architect, Brooklyn, N.Y.  
**FAMILY HOTEL.**—S. B. Gay, owner. G. F. Meacham, architect. Woodbury & Leighton, builders.  
**HERALD BUILDING.**—Carl Fehmer, architect.  
**HOTEL.**—Hotel Summer. E. B. Horn, owner. Messrs. Appleton & Stephenson, architects, Boston, Mass.  
**HOTEL.**—Creighton House. C. Fehmer, architect.  
**SCHOOLHOUSE.**—High and Latin School. G. A. Clough, architect.

**Brooklyn, N.Y.**

**GAS WORKS.**—Starr & Son, contractors, Camden, N.J.  
**HOSPITAL.**—Church Charity Foundation of the Protestant Episcopal Diocese of Long Island \$450,000.

**Chicago, Ill.**

**APARTMENT HOUSE.**—C. P. Thomas, architect, \$16,000.  
**CHURCH.**—Jefferson Park Presbyterian. J. C. Cochran, architect.  
**STORE.**—D. W. Kendall, architect. \$32,000.

**Cincinnati, O.**

**DWELLINGS.**—H. D. Huntington, owner. J. K. Wilson, architect.  
**HOTEL.**—St. Nicholas Hotel. A. C. Nash, architect.  
**STORE.**—Alms & Doecke, owners. Hannaford & Procter, architects.  
**STORES.**—John Shillito, owner. Jas. W. McLaughlin, architect.

**Cleveland, O.**

**HIGH SCHOOL.**—Brooks & Lins, contractors. L. T. Scofield, architect. \$73,800.  
**CHURCH.**—St. Bridget's Roman Catholic Society. Dunn & Charlott, architects. \$30,000.  
**ASYLUM.**—Home for Aged Poor. Cudell & Richardson, architects, Cleveland, O.

**Indianapolis, Ind.**

**CHURCH.**—Second Presbyterian Church. B. V. Enos & Son, architects.  
**CHURCH.**—Heights Congregational Church. Walter Blythe, architect.  
**BLOCK OF STORES.**—Corner Erie Street and Woodland Avenue. Griese & Weile, architects and builders.

**New Haven, Conn.**

**OPERA HOUSE.**—New Haven Opera House Co. Nicholas Countryman, contractor.

**New York.**

**CONVENT OF THE SISTERS OF ST. JOHN.** E. G. LITTELL, architect.  
**CHURCH.**—Roman Catholic Church, West Fifteenth Street. Cost, \$150,000.

**Philadelphia.**

**CHURCH.**—Church of the Transfiguration, Rev. J. K. Kayes.  
**CHURCH.**—Central Presbyterian, Collins & Autenreith, architects. G. Watson, builder.

**General.**

**ANN ARBOR, MICH.**—Court House. Mr. Bunting, architect, Indianapolis, Ind.  
**ARCADIA, WIS.**—Court House and Jail. C. G. Maybury, architect, Winona, Minn. \$25,000.  
**BELFAST, ME.**—Masonic Temple. G. M. Harding, architect, Boston, Mass.  
**EAST HARTFORD, CONN.**—Catholic Church.  
**FARBAULT, MINN.**—Deaf, Dumb, and Blind Asylum. J. Babcock & Co., contractors. \$33,430.  
**FITCHBURG, MASS.**—B. C. F. & N. B. R. R. Depot.  
**GALVESTON, TEX.**—Cotton Exchange. Gibbs & Moser, architects.  
**GARDEN CITY, L.I.**—Stewart Memorial Church. H. G. Harrison, architect.  
**HARTFORD, CONN.**—Trinity College. T. H. Kimball, supervising architect.

**HOBOKEN, N.J.**—St. Mathew's Church. Mr. H. Englebert, architect, New York.  
**HOLYOKE, MASS.**—Hotel and Opera House. William Whiting, owner.  
**JERSEY CITY.**—Catholic College. L. O'Connor, architect.  
**NORTHAMPTON, MASS.**—Church. Peabody & Stearns, architects, Boston, Mass.  
**PORTSMOUTH, N.H.**—Opera House. Heirs of John W. Peirce.  
**PROVIDENCE, R.I.**—City Hall. S. J. F. Thayer, architect, Boston.  
**WABASH, IND.**—Court House. Cost, \$100,000.  
**WASHINGTON, D.C.**—Unitarian Church. H. J. Fleming, contractor, Washington. R. G. Russell, architect, New Haven, Conn.  
**WATERBURY, CONN.**—Methodist Church. \$40,000.  
**WOBURN, MASS.**—Town Library. Norcross Bros., Worcester, contractors. Gambrell & Richardson, architects. \$71,625.  
**ZANESVILLE, O.**—Hotel. H. E. Myers, architect. Black & Graham, owners. \$75,000.

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 Only pen-and-ink drawings, without brush-work of any kind, can be reproduced.  
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 Tracing cloth upon the dull side, bank-note paper, or tracing paper, provided it is not of a yellowish tinge, may be used in cases of absolute necessity.  
 The ink should be black and of uniform strength.  
 The lines should be firm, sharp, not too coarse, and not unintentionally broken.  
 Shading and hatching lines must not be too close and crowded, especially where a large surface is to be shaded.  
 It is very desirable that plans should accompany the drawings.  
 Drawings of details both constructional and ornamental are also desirable.

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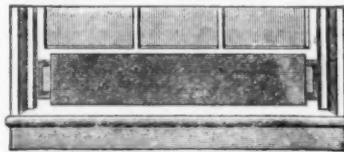
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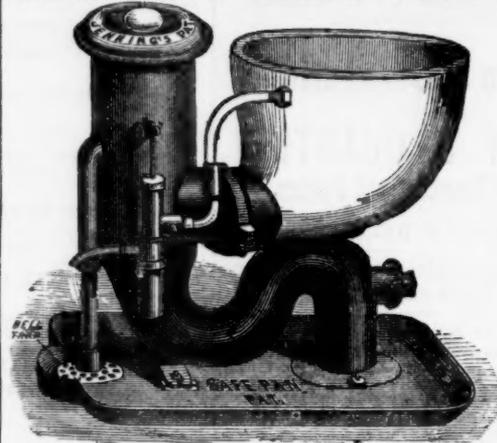
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COMPETITIONS.

SOLDIERS' MONUMENT.

MANCHESTER, N.H. The Committee appointed by the City Government of Manchester, New Hampshire, will receive, to August 10, Proposals for a Soldiers' Monument, not to exceed in cost \$20,000. Proposals must be accompanied by plans, elevations, details, drawings, and specifications. LEVI L. ALDRICH, for the Committee.

INSANE ASYLUM.

PENNSYLVANIA. Proposals for Plans for the new Hospital for the Insane, for the South-eastern District of Pennsylvania. At a meeting of the Commission appointed to select a site and erect a new Hospital for the Insane, for the South-eastern District of Pennsylvania, held Saturday, April 7, 1877, the following resolutions were adopted: —

Resolved, That architects generally be invited to furnish plans for a separate system of hospital buildings for the Insane, which plans shall embrace a general ground plan, and a plan in elevation for at least one or more wards, and an administrative building; also plans showing the internal arrangements of at least one ward, a system of heating and ventilation, cooking, water-supply, drainage, lighting — in fact, all the requirements for the new Hospital for the Insane, for the South-eastern District of Pennsylvania.

The said plans to be in accordance with such general specifications and plans, which will be furnished to said architects by the Committee on Plans and Building after adoption by this Commission. Said plans must be accompanied by an estimate of the cost of all the hospital buildings when completed and ready for occupancy, and they must be within the amount appropriated by the Act of Assembly.

Resolved, That the sum of three hundred (\$300) dollars be paid to each of five architects whose plans shall be selected by this Commission from the entire number of plans submitted to the Committee on Plans and Building, which shall be in full for all plans and specifications (and services), which plans and specifications shall be the property of this Commission.

Resolved, That from the number of architects competing in said work, one or more shall be selected for the position of architect or architects to erect the said hospital, provided the Commission deem it to be in the best interests of the work to make such appointment. Said appointment or appointments shall be governed by such future conditions as may be made by the Commission.

Architects desiring to furnish competitive plans for this work can obtain the printed specifications from any member of the Commission, or from THOMAS G. MORTON, M.D., Chairman of the Committee on Plans and Building.

COMMISSIONERS. — Joseph Patterson, Esq., Western Bank, Philadelphia; Thomas G. Morton, M.D., 141 Chestnut Street, Philadelphia; H. M. Howe, M.D., 1606 Locust Street, Philadelphia; James S. Chambers, 25 South Seventh Street, Philadelphia; Henry T. Darlington, Esq., Westtown, Bucks County; L. W. Reed, M.D., Norristown, Montgomery County; W. H. Miller, Esq., Honesdale, Delaware County; George F. Smith, Esq., West Chester, Chester County; W. T. McAllister, Esq., Allentown, Lehigh County; John Shouse, Esq., Easton, Northampton County. 88

PROPOSALS.

SCHOOLHOUSE.

XENIA, O. Notice is hereby given that sealed proposals will be received at the Superintendent's office of the Soldiers' and Sailors' Orphans' Home, Xenia, Greene County, Ohio, up to 1 o'clock, P.M. of August 3, 1877, for furnishing material and labor required in the construction of a schoolhouse on the Home grounds.

Proposals must be in accordance with plans, specifications, &c., now on file with the auditor of State, at Columbus, and a copy of which may be seen, during office hours, at the office of the Superintendent of the Home.

Each proposal must be accompanied with a good and sufficient bond in the sum of \$1,000, conditioned that the bidder or bidders will, if awarded the contract, give bond as required by law, for the faithful fulfillment of the same.

Proposals under the different kinds of work, as shown by the plans, specifications, &c., must be for both material and labor.

Contractors will be paid in monthly estimates, less five per cent as required by law, until the completion of the work. Said building will be required to be enclosed by the first day of December, 1877, and fully completed by the first day of July, 1878. The Board of Trustees reserve the right to reject any or all bids. By order of the Board of Trustees, W. S. FURAY, Secretary. (Attest) 83

PROPOSALS.

STONE BUILDING.

LAWRENCE, Kan. Proposals will be received at the Office of Indian Affairs, Central Superintendency, Lawrence, Kan., until 3 P.M., Friday, August 3, for the erection of a stone building for accommodation of a manual labor school at the Pawnee Agency, Indian Territory. Said building to be completed to the satisfaction of the United States Indian Agent in charge, according to plans and specifications, which may be examined in this office, or duplicates thereof at the office of the Eagle, Wichita, Kan. The usual guarantees required and rights reserved. Bidders are invited to be present at the opening of the bids. WM. NICHOLSON, Superintendent. 83

STONE.

CINCINNATI. Sealed proposals will be received at the office of the Board of Public Works until 12 o'clock noon of Wednesday, Aug. 1, A.D. 1877, for the sale of about fourteen hundred (1,400) perch of building stone on Glenway West.

The stone will be allowed to remain where they now are for a period of eight months, if the purchaser desires. The Board reserves the right of rejecting any or all the bids. By order of the Board. JOHN E. BELL, President. JOHN D. BANKS, Clerk. 83

IRON DRAW.

BOSTON. Plans and sealed proposals, indorsed "Proposal for building an Iron Draw for Chelsea Bridge," will be received at the office of Clerk of Commissioners, City Hall, Boston, until 12 o'clock, M., of Monday, Aug. 6, 1877. The plan is to be general plans of the superstructure, showing the shapes and sections of the material the contractor proposes to use in its construction, and general details of its connections.

The iron-table for the draw is to be constructed in accordance with plans furnished by the City Engineer. Specifications may be obtained, and plans may be seen, at the office of the City Engineer, City Hall, Boston. For further particulars, see advertisements printed with specifications.

The Committee on Bridges reserves the right to reject any or all bids. FRANCIS THOMPSON, Chairman Committee on Bridges. 83

IRON BRIDGE.

BOSTON. Sealed proposals will be received at the office of the Superintendent of Streets, City Hall, Boston, till 12 M., of Thursday, Aug. 2, 1877, for furnishing and erecting an iron bridge on Columbus avenue, in accordance with plans and specifications to be seen at the office of the City Engineer.

For further particulars, see advertisement accompanying specifications. The Committee on Paving reserves the right to reject any or all bids. R. W. ROBINSON, Chairman Committee on Paving. 83

IRON ROOF TRUSSES.

CINCINNATI, O. The Cincinnati Music Hall Association will receive written proposals until noon of Saturday, August 11, 1877, for the construction and placing in position of the iron trusses for the roof of their proposed hall, according to the plans and specifications prepared by Hannibal F. Proctor, architect, and to be seen at their office, Nos. 37 and 38 Johnston Buildings, Cincinnati.

Alternative proposals will also be received at the same time for the same work, according to bidders' own plans, but such bids must be accompanied with plans and specifications.

All bids must state the number of days within which the work will be completed after the contract is let. Time is important. The Trustees reserve the right to reject any or all bids. Proposals should be addressed to JULIUS DEXTER, Secretary Cincinnati Music Hall Association, is Cincinnati College. 84

STEAM HEATING AND PLUMBING.

Sealed proposals for the steam heating and plumbing required in the portions of the Insane Asylum now being built near the city of Topeka, Kan., will be received by the undersigned until six o'clock, P.M. Wednesday, Aug. 15, 1877. The bids will be opened by the Board of Directors at the Tenth House in the City of Topeka, at 7 o'clock, P.M., on the same day. About 40,000 cubic feet of space is to be heated by indirect radiation, and the contractors will be required to furnish all boiler, tanks, pumps, etc., required to commence a thorough and complete system.

Each proposal must be accompanied with a good and sufficient bond in the sum of \$1,000, conditioned that the bidder will, if award is made to him, enter into contract for the work, and furnish satisfactory bond for its faithful performance.

The work is to be completed during the summer of 1878, but payments will be made on materials delivered sooner if required.

The right is reserved to reject any or all bids. For further particulars, apply to the undersigned at Leavenworth, Kan.

By order of the Board of Directors, E. T. CARR, Architect and Supt. of Construction. 83

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PRICES TO CONTRACTORS AND BUILDERS.

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Table listing prices for CEMENT (Rosendale, Portland, Keene's fine).

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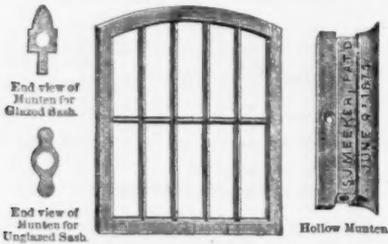
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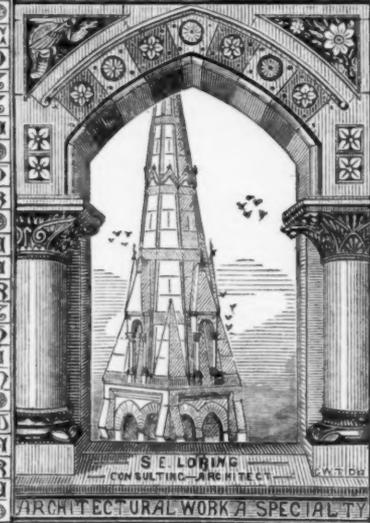
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**BUILDING INTELLIGENCE.**

[Reported for the American Architect and Building News.]

**A RECORD.**

Showing how buildings recently burned are to be replaced.

**CINCINNATI, O.**—The carriage factory of Emerson, Fisher, & Co., which was burned May 2, causing a loss of \$70,000, is to be replaced by a four-story brick building, 50' x 225'. It is to be built from the design of Mr. Emerson.

**MARBLEHEAD, MASS.**—The most important building now being undertaken is that of Mr. Joshua Lefavour on School Street. It will be 60 x 40 feet. The cellar wall for William C. Woodfin's new building is about completed. P. T. Woodfin has his barn cellar finished, and the frame has been commenced. Mr. W. C. Lefavour has begun the frame of a new factory. Henry F. Pitman has begun work on a building on the site of that recently occupied by A. E. Graves, jun., as a provision store. The shop of R. D. Hunt, marble-worker, is also being rebuilt, and is about done; and T. G. Stacey will put up a house directly, as also will William Stockwell. H. O. Symonds has commenced work on a two-story building on School Street.

At the town-meeting held July 17, it was voted to build an engine-house, with hose-tower, at a cost of \$4,500. The building is to be of brick material, three stories high.

**WASHINGTON, ME.**—The store of P. G. Ingalls, which was burned June 22, is to be replaced by a wooden building, 22' x 45'. J. L. Shattuck, builder.

**SUMMARY OF THE WEEK.**

Reports from the Principal Cities and Towns of the Country.

**Boston.**

**BRICK STRUCTURES.**—Only two permits have been issued since our last report, for an ice-house, 43' x 53', to James McMorro, and for a rolling-mill, 136' x 80', for the Globe Nail Co., to Ivory Bean.

**WOODEN BUILDINGS.**—Eleven permits for wooden buildings have been issued during the week, these including five dwellings and one church. The names of the builders are: J. B. & J. W. Keene, Jos. P. Shaw, Frederick O. Clark, Frederick M. Severance, Herman Drake, Michael Driscoll.

Special permits have been issued for two buildings on Litchfield's Wharf, for passenger and freight purposes.

**ADDITIONS AND ALTERATIONS.**—Forty permits for repairs and alterations of various descriptions have been issued during the past week.

**THE NEW PRODUCE EXCHANGE.**—The work upon the upper story of Quincy-Hall Market, which is to be re-occupied by the new Produce Exchange, is not progressing very rapidly, as the city is moving slowly in the matter.

**Cincinnati.**

**CHILDREN'S HOME.**—The corner-stone of the new Children's Home, on Ninth Street, was laid Monday, July 23.

**Cleveland.**

**RESIDENCES.**—Mr. F. S. Barnum, architect, is building a residence for Mr. P. S. Jennings, on Case Avenue, costing \$7,000; and another for Mr. W. H. Huntington, on Kennard Street, costing \$4,000. Messrs. Bradner & Cass, carpenters, and John C. Cain, mason, are the contractors for both of these buildings.

**New Haven, Conn.**

**PERMITS.**—From May 12 to July 1, there have been granted sixteen permits, representing a total amount of \$60,000.

**STORES.**—Beside the large opera-house now building, —Hayes of New York, architect, there are two business buildings under headway. For one of them, the old "Globe building" is being demolished, and on its site is to be erected a structure measuring 74 feet on Chapel Street and 53 on Church Street. It will be four stories high, the first two of iron, comprising five stores on the street floor, and four parlor-stores on the second floor. The remaining two stories are to be of brick; cost about \$25,000. Architect, D. R. Brown; contractors, Kinney & Phelps, and Lyman Treat.

**CHURCH.**—The First Universalist Church Society are building a chapel and parsonage, to cost \$10,000. Architect, D. R. Brown.

**CHURCH.**—The First Congregational Society of the Seventh Ward have removed the wooden spire of their church, which was dangerously deflected by a gale last spring, and are re-modelling the building. Architect, Duncan McArthur, jun.; contractors, C. Denison, and Doyle & Townsend. Cost, \$12,000.

**Philadelphia.**

**NEW BANK BUILDING.**—Work will soon be begun at the north-east corner of Frankford Avenue and Norris Street, upon the new building of the Shickamaxon National Bank. It will be built of brick, with stone finish, and will be two stories in height, with a fire-proof vault. It will front 36 feet on Frankford Avenue and 30 on Norris Street. The directors', and president's room will be in the second story.

**A NEW CHURCH.**—The corner-stone of the Free P. E. Church of the Transfiguration, to be erected on Woodland Avenue, near the junction of Walnut and Thirty-fourth Streets, was laid July 18. The new building will be constructed of stone, and will have a frontage on Wolverton Avenue of 40 feet, and a depth of 100 feet. It will be 56 feet to the apex of the globe, and will have a tower 125 feet in height. The auditorium will be finished in hard wood, with stained glass windows, and will have a seating capacity for nearly 500 persons. The lower floor will be divided into Sunday-school, Bible, and vestry-rooms. The building will be ready for occupancy about the 1st of November.

**St. Louis.**

Thirty-eight permits have been issued for the week ending July 20; twelve of these are for frame buildings, all of slight value except one, a frame elevator for the Iron Mountain Railroad Company, to cost \$5,000. Of the brick buildings with brick or stone fronts, those worth \$2,500 or over are as follows:—

Owners.		Value.
E. Parrish.....	2 story dwelling, 8 rooms..	\$2,500
John Ludwig.....	2 story dwelling, 12 rms...	2,600
Heller & Hoffman.....	4 story shop, 4 rooms....	4,000
J. Whelan.....	2 story dwelling, 10 rooms..	7,000
Maria Detring.....	2 story dwelling, 9 rooms..	4,500
J. C. Demoss.....	2 story dwelling, 8 rooms..	3,500
George Gieser.....	2 story dwelling, 8 rooms..	2,500
A. J. Odell.....	2 story dwelling, 12 rooms..	3,000
E. F. Redwill.....	3 story dwelling, 30 rooms..	8,000
H. Ziegenheim.....	2 st. store and dw'g, 12 rs..	3,400
Hiram Nance.....	2 st. store and dw'g, 8 rms..	3,700

**CHURCH.**—Work has begun on the foundation of Dr. Brooke's new church, to cost about \$60,000. Maurice & Dickinson, architects and builders.

**General Notes.**

**BLUE HILL, ME.**—Mr. M. K. Chase has been awarded the contract for furnishing the cut granite for a pedestal for the Thomas statue, his bid (\$11,000) being the lowest.

**BRIDGEPORT, CONN.**—The number of buildings erected here this season is considerable, and the prospects are excellent. Three or four Swiss Gothic cottages building on the estate of Mr. George Mallory, and are to be occupied by his laborers. An extensive frame dwelling is going up on Park Avenue for Mr. Upson, Messrs. Glover, Sanford & Sons' hat factory, recently destroyed by fire, is being rapidly rebuilt. A block of three brick dwellings is being built on Canon Street; and a ten-room cottage in the Queen Anne style, on Park Avenue, for Mr. J. Sullivan. Mr. George Palliser is the architect of the above. He has also the superintendence of the St. Augustine Convent. It is a substantial granite building, 60' x 90', four stories high, and is nearly completed. Messrs. Lambert & Bunnell, architects, are putting up a four-story brick bank building for the Bridgeport Savings Bank, and a house on West Avenue for Mr. Swan. The Union Metallic Cartridge Co. is building large additions to its extensive works. Mr. Alex. Leverty, contractor, is erecting for his own use a residence at Seaside Park. Mr. W. R. Briggs is building a stable for Dr. Warner, of Warner Bros., who are building a large addition to their corset manufactory; in fact, all parties interested in building have kept busy this season.

**BROOKLYN, N.Y.**—The new schoolhouse building at Sixth Avenue and Eighth Street will cost \$55,237.

**COLUMBUS, O.**—Mr. T. R. Tinsley has prepared drawings for some work-shops for the Institution for the Blind. The appropriation is \$10,000.

**GREENSBURG, IND.**—The foundation of the new Presbyterian church is completed, and work on the walls will be pushed forward as rapidly as possible. It is believed the church will be ready for occupancy by the last of September.

**HARTFORD, CONN.**—Work is being pushed on the new Capitol building at Hartford. Most of the marble work is done, except the dome, and the plasterers are at work inside. The Senate chamber will be finished by Jan. 1, 1878, and it is hoped that the Representatives' room will be also ready for the next session.

**HOLYOKE, MASS.**—A new brick building, 16' x 32', one story high, is to be erected on Dwight Street, adjoining Metcalf & Luther's new block.

In accordance with the law prescribing the manner of exits from mills, the Springfield

Blanket Company are building a brick tower 65 feet high, which will afford ample and quick egress from the mill, and will also be provided with an elevator. They are also putting up a stock-house 18' x 20' in size.

**LOWELL, MASS.**—The Tremont and Suffolk Corporation have begun a new four-story brick storehouse.

**PROVIDENCE, R.I.**—On the 16th of July bids for carpentry for the new City Hall were opened. They were as follows: \$147,354, \$119,350, \$118,000, \$117,000, \$113,500, \$107,000, \$100,000, \$89,651, \$84,473, \$79,828. The lowest bidders were Morton & Chesley of New York and Boston. The contract was awarded to them.

**RUTLAND, VT.**—The Sutherland Falls Marble Company has taken a contract for furnishing and cutting a marble front for the block bounded by Milk, Hawley, and Arch Streets, Boston, with a frontage of over 250 feet on each of these streets. The work will be done at Sutherland Falls. Over fifty car-loads of marble will be required.

**SING SING, N.Y.**—A new house of worship for the Methodists has been contracted for. It will be built of white marble from the Pleasantville quarries, and will cost \$48,000.

**WAUKEGAN, ILL.**—Plans are nearly ready for a new court-house, which is to cost about \$40,000.

**INDEX OF CURRENT WORK.**

Giving information concerning important buildings now unfinished.

**Boston, Mass.**

**CHURCH.**—Cost, \$75,000. Mr. John Welch, architect, Brooklyn, N.Y.  
**FAMILY HOTEL.**—S. B. Gay, owner. G. F. Meacham, architect. Woodbury & Leighton, builders.  
**HERALD BUILDING.**—Carl Felmer, architect.  
**HOTEL.**—Hotel Sumner. E. B. Horn, owner. Messrs. Appleton & Stephenson, architects, Boston, Mass.  
**HOTEL.**—Creighton House. C. Felmer, architect.  
**SCHOOLHOUSE.**—High and Latin School. G. A. Clough, architect.

**Brooklyn, N.Y.**

**GAS WORKS.**—Starr & Son, contractors, Camden, N.J.  
**HOSPITAL.**—Church Charity Foundation of the Protestant Episcopal Diocese of Long Island \$450,000.

**Chicago, Ill.**

**APARTMENT HOUSE.**—C. P. Thomas, architect. \$16,000.  
**CHURCH.**—Jefferson Park Presbyterian. J. C. Cochran, architect.  
**STORE.**—D. W. Kendall, architect. \$32,000.

**Cincinnati, O.**

**DWELLINGS.**—H. D. Huntington, owner. J. K. Wilson, architect.  
**HOTEL.**—St. Nicholas Hotel. A. C. Nash, architect.  
**STORE.**—Alms & Doeple, owners. Hannaford & Procter, architects.  
**STORE.**—John Shillito, owner. Jas. W. McLaughlin, architect.  
**MUSIC HALL.**—Hannaford & Procter, architects.

**Cleveland, O.**

**HIGH SCHOOL.**—Brooks & Linus, contractors. L. T. Scofield, architect. \$73,800.  
**CHURCH.**—St. Bridget's Roman Catholic Society. Dunn & Charlott, architects. \$30,000.  
**ASYLUM.**—Home for Aged Poor. Cudell & Richardson, architects, Cleveland, O.

**Indianapolis, Ind.**

**CHURCH.**—Second Presbyterian Church. B. V. Enos & Son, architects.  
**CHURCH.**—Heights Congregational Church. Walter Blythe, architect.  
**BLOCK OF STORES.**—Corner Erie Street and Woodland Avenue. Griese & Welle, architects and builders.

**New Haven, Conn.**

**OPERA HOUSE.**—New Haven Opera House Co. Nicholas Countryman, contractor.

**New York.**

**CONVENT OF THE SISTERS OF ST. JOHN.** E. G. LITTELL, architect.  
**CHURCH.**—Roman Catholic Church, West Fifteenth Street. Cost, \$150,000.

**Philadelphia.**

**CHURCH.**—Church of the Transfiguration, Rev. J. K. Kayes.  
**CHURCH.**—Central Presbyterian, Collins & Autenreith, architects. G. Watson, builder.

**General.**

**ANN ARBOR, MICH.**—Court House. Mr. Bunting, architect, Indianapolis, Ind.  
**ARCADIA, WIS.**—Court House and Jail. C. G. Maybury, architect, Winona, Minn. \$25,000.  
**BELFAST, ME.**—Masonic Temple. G. M. Harding, architect, Boston, Mass.

**EAST HARTFORD, CONN.**—Catholic Church.  
**FARIBAULT, MINN.**—Deaf, Dumb, and Blind Asylum. J. Babcock & Co., contractors. \$53,430.

**FITCHBURG, MASS.**—B. C. F. & N. B. R. Depot.  
**GALVESTON, TEX.**—Cotton Exchange. Gibbs & Moser, architects.

**GARDEN CITY, L.I.**—Stewart Memorial Church. H. G. Harrison, architect.  
**HARTFORD, CONN.**—Trinity College. T. H. Kimball, supervising architect.

**HOBOKEN, N.J.**—St. Mathew's Church. Mr. H. Englebert, architect, New York.  
**HOLYOKE, MASS.**—Hotel and Opera House. William Whiting, owner.

**JERSEY CITY.**—Catholic College. L. O'Connor, architect.  
**NORTHAMPTON, MASS.**—Church. Peabody & Stearns, architects, Boston, Mass.

**PORTSMOUTH, N.H.**—Opera House. Heirs of John W. Peirce.  
**PROVIDENCE, R.I.**—City Hall. S. J. F. Thayer, architect, Boston.

**WABASH, IND.**—Court House. Cost, \$100,000.

WASHINGTON, D.C.—Unitarian Church. H. J. Fleming, contractor, Washington. R. G. Russell, architect, New Haven, Conn.

WATERBURY, CONN.—Methodist Church. \$40,000. Woburn, Mass.—Town Library. Norcross Bros., Worcester, contractors. Gambrell & Richardson, architects. \$71,625.

ZANESVILLE, O.—Hotel. H. E. Myers, architect. Black & Graham, owners. \$75,000.

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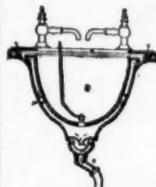
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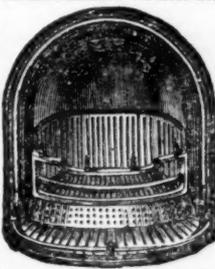
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[Reported for the American Architect and Building News.]

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Table with columns for material names (CEMENT, PORTLAND, ROMAN, etc.) and prices.

Table with columns for material names (PIPE BRICK, RED WELSH, SCOTCH, etc.) and prices.

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Table with columns for material names (LUMBER, PINE, VERY CHOICE, etc.) and prices.

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PRICES TO CONTRACTORS AND BUILDERS.

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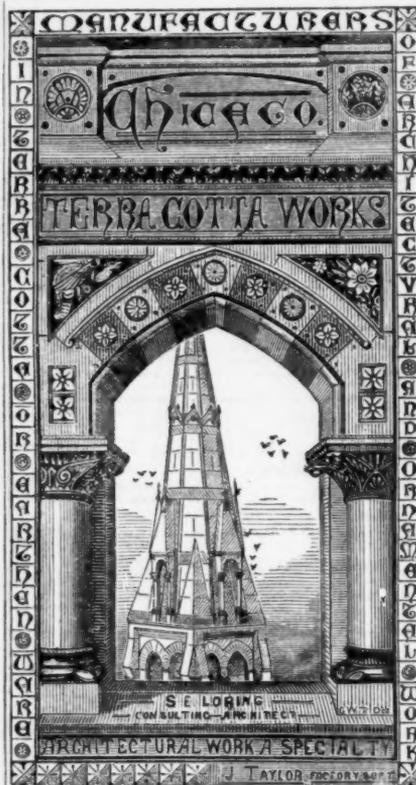
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**BUILDING INTELLIGENCE.**

[Reported for the American Architect and Building News.]

**A RECORD.**

Showing how buildings recently burned are to be replaced.

**WOLFBOBO', N.H.**—The building which was occupied by M. Varney & Co. as a tannery, and which was burned July 4, is to be replaced by another building measuring 98' x 57', and one story high. It is to be built with brick walls and wooden roof; to be built by Mr. C. Berwick, builder, from drawings prepared by the said Berwick.

**SUMMARY OF THE WEEK.**

Reports from the Principal Cities and Towns of the Country.

**Boston.**

**BRICK STRUCTURES.**—The following permits have been issued at City Hall:—  
C. C. Cook, stable, 20' x 30'; 148 Tyler Street.  
Leach & Hanney, Sunday-school chapel, St. James Street, near Washington.  
Otis S. Peirce, boiler-house, 24' x 30', Chelsea Street.  
Weston & Shepard, dwelling, 49 Commonwealth Avenue, 26' x 65'; Messrs. Cummings & Sears, architects.

**WOODEN BUILDINGS.**—F. F. Tilley & Co., John F. Hawes, George W. Pope, Geo. H. Kerwin, S. H. L. Pierce, Jacob L. Paine, Nathaniel Randall, and John McDonald, are the names of parties to whom permits have been granted for wooden buildings.

**REPAIRS.**—Business in repairs and alterations continues to be quite active; 191 permits were granted during July.

**WILLIAMS HALL.**—The repairs and alterations in this building are quite extensive, and will soon be completed. The market-room and the annexes to the hall are much improved. The mill itself will be entirely renovated. The work is done under the supervision of Mr. Geo. H. Young.

**THE NEW HERALD BUILDING.**—Work on this structure is progressing quite rapidly, and that journal promises to be issued from one of the handsomest as well as most convenient and desirable offices in the country.

**Brooklyn.**

**BUILDING PERMITS.**—Brick tenement, 29' x 54'; architect, A. Herbert; builders, Chas. Hollwedel & J. Minigan.

Five three-story brown stone dwellings, 20' x 40'; owner, etc., Henry Search, Jun.

Five three-story brick dwellings, 18' x 38'; architects, Parfitt Bros.; builders, John Flood & Martin.

Six three-story Connecticut brown stone dwellings, 16.4' and 16.8' and 18' x 48.8' and 50'; architect, F. Weber.

**Chicago.**

Total number of permits for new buildings, alterations and moving, for last two weeks, to date, seventy-eight. The following were for new buildings of two stories and over, all of brick:—

H. F. Lewis, three-story stone-front dwelling, 22' x 52', 346 Dearborn Avenue. Cost \$8,000.

Thos. Boland, two-story dwelling, 22' x 52', Lincoln Avenue. To cost \$3,000.

John Maher, two-story store and dwelling, 22' x 38', 441 South Halstead Street. To cost \$1,800.

Matt Watkins, three-story dwelling, 25' x 70', 170 Third Avenue. To cost \$4,000.

Mrs. Seetare, two two-story brick dwellings, each 22' x 32', Evergreen Avenue and Leavitt Streets. To cost \$2,000.

Luther McConnell, two-story dwelling, 30' x 74', Dearborn and Schiller Streets. To cost \$6,000.

J. & H. E. Huber, three-story brick factory, 33' x 50', Sangamon and Pratt Streets. To cost \$2,000.

Congregation of Bnai Abraham Church, 40' x 80', Wright and Johnson Streets. To cost \$5,600.

E. B. Myers, two three-story stone-front dwellings, one 20' x 72', one 20' x 40', 1022 and 1024 Wabash Avenue. To cost \$12,000.

Jacob Leis, three-story store and dwelling, 20' x 62', 303 North Avenue. To cost \$4,000.

Mr. Ruff, three-story dwelling, 25' x 42', Illinois Street. To cost \$1,000.

J. B. Weeks, two-story store and dwelling, 24' x 50', 483 Western Avenue. To cost \$3,000.

J. I. Rawleigh, two-story stone-front dwelling, 21' x 64', 727 W. Washington Street. To cost \$4,300.

John Newman, three-story stone-front dwelling, 25' x 65', 259 S. Desplaines. To cost \$3,500.

L. Wolf Mfg. Co., five-story addition, 43' x 48', 109 and 111 W. Lake Street. To cost \$5,000.

St. Joseph School, two-story, 30' x 60', West Thirteenth Street, near Seaverns. To cost \$6,000.

Joseph Pollock, two-story dwelling, 21' x 55', 177 Third Avenue. To cost \$4,500.

A. Schuesler, two-story dwelling, 29' x 50', Park Street. To cost \$6,000.

Hannah Isaacson, two-story dwelling, 22' x 33', Marion Street. To cost \$2,000.

Orlof O. Ostrom, five three-story stone-front stores and dwellings, 22' x 70', West Madison. To cost \$35,000.

John Gorsche, two two-story brick stores and dwellings, 20' x 50', Jefferson Street. To cost \$4,000.

Wm. Grull, three-story store and dwelling, 25' x 80', Milwaukee Avenue and Ellen Street. To cost \$5,000.

Mrs. A. Van Schlieben, two-story brick dwelling, 22' x 58', 300 W. Division. To cost \$3,000.

John W. Hersey, three three-story stone-front dwellings, each 19' x 54', 218, and 220 Park Avenue. To cost \$18,000.

Franz Sitterlee, two-story dwelling, 21' x 54', 154 Front Street. To cost \$1,700.

Frederick Senz, two-story dwelling, 24' x 42', 511 North Ashland Avenue. To cost \$2,500.

Charles Parrish, three-story dwelling, 25' x 66', 496 Dearborn Avenue. To cost \$5,000.

M. Alexander, two-story dwelling, 22' x 32', 345 Hubbard Street. To cost \$1,200.

John Lauritzef, two-story dwelling, South Dearborn and Thirty-fifth Streets. To cost \$1,900.

**New York.**

**BUILDING PERMITS.**—The following permits have been lately issued:—

Brick store and dwelling, cost \$13,000; architect, Julius Boeckel; builders, R. Shapter and Grissler & Fausel.

Brown stone dwelling, 21' x 54' and extensions; cost, \$16,000; architect, W. H. Cauvet; Builer, D. Shannon.

Brick and iron store, 25' x 88'; cost, 20,000; architect, G. Thomas.

Brick tenement, 30' x 84'; cost, 18,000; architect, Wm. Jose; builder, J. Weber.

Brick tenements, 18 and 17.8' x 72'; cost, each \$10,000; architect, Francis S. Barus.

Four Connecticut brown stone dwellings; 18' x 50'; cost, each \$9,000; architects, Thom & Wilson; builders, C. W. Klappert's Sons.

**St. Louis.**

Twenty permits have been issued for the week ending July 27. Six of these are for frame structures of slight value. The rest are for brick buildings with brick or stone fronts. Those worth \$2,500 and over are as follows:—

Owners.		Value.
C. Koltler.....	Brick dwelling, 2 stories, 8 rooms..	\$3,000
Geo. F. Dittmann.....	Brick dwelling, 2 stories, 10 rooms.	3,750
C. Kohler.....	Store & dwelling, 2 stories, 8 rooms.	2,800
John Whitaker.....	Shop, 2 stories, 1 room.....	2,500
M. Peterson.....	Dwelling, 2 stories, 8 rooms.....	3,300
W. H. Lane.....	Dwelling, 2 stories, 30 rooms.....	5,000

**General Notes.**

**ANDERSON, IND.**—A county asylum is to be built near the town, from plans of Mr. E. May of Indianapolis.

**CONCORD, MASS.**—The brick wall of enclosure about the State Prison is nearly finished, and work upon the ten buildings for officers' quarters is making good progress.

**COLORADO SPRINGS, COL.**—The ground for a building to be occupied as Colorado College was broken on the 4th of July. Four pounds of butter given to the building fund by a lady were sold on the occasion at auction, and sold again, until they brought \$180, or \$45 a pound. Ten thousand dollars has also been subscribed by citizens of Colorado Springs.

**CHATTANOOGA, TENN.**—It has been decided to advertise for plans for the new court-house.

**GREENFIELD, MASS.**—Mr. Joseph R. Richards of Boston has prepared plans for a public library building, in the old English style of architecture. A generous citizen, who refuses to let his name be known, has offered to erect the building at his own expense, provided that the lot corner of Main and Franklin Streets be secured and enough money be raised besides to properly furnish the building. This would require about \$6,000, and a committee has been appointed to receive subscriptions.

**KOKOMO, IND.** A new city building, station-house, etc., is to be built shortly.

**MANCHESTER, N.H.**—Extensive repairs are soon to be made at the Stark Mills. A new story is to be put on No. 1, and a new mill 150 feet long, four stories high, will be built.

**MEMPHIS, TENN.**—Chas. Jones has secured the contract for bricks for the custom-house.

**NEW BEDFORD, MASS.**—It is said that \$250,000 of the \$300,000 needed to build and equip an additional Potomska Mill has been subscribed, and that the amount will probably be completed within two weeks, when excavations for the foundation will be commenced.

**OMAHA, NEB.**—Work is to begin immediately upon the new depot for the Union Pacific R.R. It is to cost about \$100,000.

**PONTIAC, ILL.**—Work will begin immediately upon the State Reform School building.

**RICHMOND, VA.**—It is said that there are about eight hundred vacant houses in the city, yet the builders are employed in erecting new ones. The amount of building going on is really astonishing.

**SING SING, N.Y.**—Ten proposals have been received for the work of constructing the wall to enclose the north and south wings of the prison, and the award will be made this week. It is to be 1,500 feet in length, 20 feet in height, and 2 feet thick. The foundation will be of stone, and the wall is to be surmounted by a stone coping. Every 12 feet pilasters will be placed to give additional strength. It is estimated that 1,500,000 brick will be required.

**YPSILANTI, MICH.**—A State Normal School is to be built here, at a cost of \$30,000.

**INDEX OF CURRENT WORK.**

Giving information concerning important buildings now unfinished.

**Boston, Mass.**

**CHURCH.**—Cost, \$75,000. Mr. John Welch, architect, Brooklyn, N.Y.

**FAMILY HOTEL.**—S. B. Gay, owner. G. F. Meacham, architect. Woodbury & Leighton, builders.

**HERALD BUILDING.**—Carl Fehmer, architect.

**HOTEL.**—Hotel Sumner. E. B. Hort, owner. Messrs. Appleton & Stephenson, architects, Boston, Mass.

**HOTEL.**—Creighton House. C. Fehmer, architect.

**SCHOOLHOUSE.**—High and Latin School. G. A. Clough, architect.

**Brooklyn, N.Y.**

**CONCERT GARDEN.**—F. H. Coles, architect. Cost, \$50,000.

**GAS WORKS.**—Starr & Son, contractors, Camden, N.J.

**HOSPITAL.**—Church Charity Foundation of the Protestant Episcopal Diocese of Long Island \$450,000.

**SCHOOLHOUSE.**—Corner 6th Avenue and 8th Street.

**Chicago, Ill.**

**APARTMENT HOUSE.**—C. P. Thomas, architect. \$16,000.

**CHURCH.**—Jefferson Park Presbyterian. J. C. Cochran, architect.

**STORE.**—D. W. Kendall, architect. \$32,000.

**Cincinnati, O.**

**DWELLINGS.**—H. D. Huntington, owner. J. K. Wilson, architect.

**HOTEL.**—St. Nicholas Hotel. A. C. Nash, architect.

**STORE.**—Alms & Doepke, owners. Hannaford & Procter, architects.

**STORES.**—John Shillito, owner. Jas. W. McLaughlin, architect.

**MUSIC HALL.**—Hannaford & Procter, architects.

**Cleveland, O.**

**HIGH SCHOOL.**—Brooks & Linn, contractors. L. T. Scofield, architect. \$73,800.

**CHURCH.**—St. Bridget's Roman Catholic Society. Dunn & Charlott, architects. \$30,000.

**ASYLUM.**—Home for Aged Poor. Cudell & Richardson, architects, Cleveland, O.

**Indianapolis, Ind.**

**CHURCH.**—Second Presbyterian Church. B. V. Enos & Son, architects.

**CHURCH.**—Heights Congregational Church. Walter Blythe, architect.

**BLOCK OF STORES.**—Corner Erie Street and Woodland Avenue. Giese & Weile, architects and builders.

**New Haven, Conn.**

**OPERA HOUSE.**—New Haven Opera House Co. Nicholas Countryman, contractor.

**New York.**

**CONVENT OF THE SISTERS OF ST. JOHN.** E. G. LITTELL, architect.

**CHURCH.**—Roman Catholic Church, West Fifteenth Street. Cost, \$150,000.

**Philadelphia.**

**CHURCH.**—Church of the Transfiguration, Rev. J. K. Kayes.

**CHURCH.**—Central Presbyterian. Collins & Autenreith, architects. G. Watson, builder.

**General.**

**ANN ARBOR, MICH.**—Court House. Mr. Bunting, architect, Indianapolis, Ind.

**ARCADIA, WIS.**—Court House and Jail. C. G. Maybury, architect, Winona, Minn. \$25,000.

**BELFAST, ME.**—Masonic Temple. G. M. Harding, architect, Boston, Mass.

**EAST HARTFORD, CONN.**—Catholic Church.

**FARIBAULT, MINN.**—Deaf, Dumb, and Blind Asylum. J. Babcock & Co., contractors. \$53,450.

**FITCHBURG, MASS.**—B. C. F. & N. B. R. R. Depot.

**GALVESTON, TEX.**—Cotton Exchange. Gibbs & Moser, architects.

**GARDEN CITY, L.I.**—Stewart Memorial Church. H. G. Harrison, architect.

**HARTFORD, CONN.**—Trinity College. T. H. Kimball, supervising architect.

**HOBOKEN, N.J.**—St. Mathew's Church. Mr. H. Englebert, architect, New York.

**HOLYOKE, MASS.**—Hotel and Opera House. William Whiting, owner.

**JERSEY CITY.**—Catholic College. L. O'Connor, architect.

**NORTHAMPTON, MASS.**—Church. Peabody & Stearns, architects, Boston, Mass.

**PORTSMOUTH, N.H.**—Opera House. Heirs of John W. Peirce.

**PROVIDENCE, R.I.**—City Hall. S. J. F. Thayer, architect, Boston.

**ROME, GA.**—Shorter Female College. J. A. Cooley, contractor.

**SING SING, N.Y.**—Methodist Church. Cost, \$48,000.

**SPRINGFIELD, MASS.**—Office of the Springfield Republican. Ferry & Gardner, architects.

**WABASH, IND.**—Court House. Cost, \$100,000.

**WASHINGTON, D.C.**—Unitarian Church. H. J. Fleming, contractor, Washington. R. G. Russell, architect, New Haven, Conn.

**WATERBURY, CONN.**—Methodist Church. \$40,000.

**WAUKEGAN, ILL.**—Court House. Cost, \$40,000.

**WOBURN, MASS.**—Town Library. Norcross Bros., Worcester, contractors. Gambrell & Richardson, architects. \$71,625.

**ZANESVILLE, O.**—Hotel. H. E. Myers, architect. Black & Graham, owners. \$75,000.

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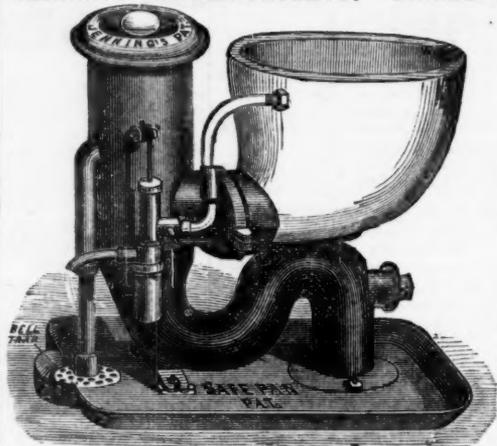
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[Reported for the American Architect and Building News.]

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Table listing prices for DOORS AND BLINDS (DOORS RAISED PANELS TWO SIDES, DOORS MOULDED).

Table listing prices for PAINTS AND OILS (Whiting, Paris white, Zinc white, etc.).

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Table listing prices for SLATE (Purple roofing slate, Green slate, etc.).

Table listing prices for TIN PLATES (I. C. charcoal, I. C. coke, etc.).

Table listing prices for IRON (Wrought-iron I Beams, Wrought-iron I Beams, etc.).

Table listing prices for STEAM BOILERS (JARVIS PATENT FURNACE).

Table listing prices for RAPHAEAL PICTURES (A Series of Raphaeal Pictures).

Table listing prices for MEDIEVAL FOLIAGE (By J. K. COLLING).

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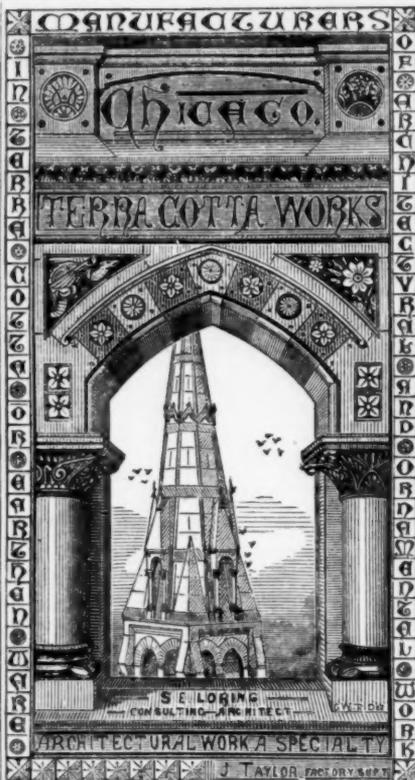


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**BUILDING INTELLIGENCE.**

[Reported for the American Architect and Building News.]

**A RECORD.**

Showing how buildings recently burned are to be replaced.

**MARBLEHEAD, MASS.** — There are eight buildings in process of erection on the "burnt district."

**MOUNT CARMEL, ILL.** — Seitz Brothers will build again as soon as they receive their insurance money, \$800. A new court-house will be erected next year. The Methodist church has been repaired sufficiently to allow worship. The Presbyterian church will not be rebuilt for the present. The schoolhouse will be rebuilt immediately.

**SUMMARY OF THE WEEK.**

Reports from the Principal Cities and Towns of the Country.

**Boston.**

**BRICK STRUCTURES, ETC.** — The following permits have been issued at City Hall: — William Smith, tenement house, 2 1/2 x 52, Tyler Street.

S. J. Tuttle and John Rawson, primary schoolhouse, 82' 8" x 76' 8", Weston Street, near Tremont.

Thomas Goggin, boiler-house, rear of Longwood Avenue.

A. H. Glover, scale-house and office, 28' 6" x 36' 6", Huntington Avenue, rear Hereford St.

Bernard Jenney, pump-house, 14' x 30', West 1st Street.

**WOODEN STRUCTURES.** — Among the wooden structures for which permits have been issued, are a small-pox hospital on Canterbury Street, 131' 7" x 56' 3", Wm. Sayward and E. B. Witherspoon, builders; and a primary schoolhouse, 64' x 33', Eggleston Square, Benj. H. Flanders, builders; both from plans of Geo. A. Clough, city architect. The other buildings are for stores, manufactories, and dwellings. The names of the builders are as follows: F. O. Clark, Thos. Geslin, Wm. J. Hussey, Stephen Ellis, James Kendall, Tobin & McDonald, Morton & Chesley; the latter being engaged on a chapel on Roxbury Avenue, cor. Englewood Avenue.

**ALTERATIONS AND REPAIRS.** — The business in this department continues very active, being in excess of former years. Up to Aug. 1, they are in excess of 1876 by about two hundred applications.

**BRIDGE.** — The Committee on Paving has awarded the contract for building the new Columbus Avenue bridge to the Leighton Bridge and Iron Works of Rochester. The bids were as follows: —

Leighton Bridge and Iron Works.....	\$11,699.00
Keystone Bridge Company.....	12,645.00
Niagara Bridge Works.....	12,849.00
D. H. Andrews.....	14,087.00
King Iron Bridge and Manufacturing Co.....	14,800.00
L. M. Ham & Co.....	16,761.00
C. McDonald.....	16,782.02

**HIGH AND LATIN SCHOOL.** — In preparing for the foundation of the new English High and Latin schoolhouses on Montgomery Street, 4,100 piles have been driven.

**POLICE STATION.** — The necessity for a new police station-house, in place of Station 6, is a subject under consideration with the Committee on Public Buildings.

**SCHOOLHOUSE.** — The mayor has approved the plans for the temporary wooden schoolhouse of two rooms to be built in Eggleston Square.

**Buffalo, N. Y.**

**CURRENT WORK.** — M. E. Beebe has in hand the following buildings in this city: Residence for Mrs. Martha A. Ransom, cor. Main and Bryant Sts., brick and stone, French Gothic style; Rumrill & Rupp, masons; B. C. Dean, carpenter. Will cost \$16,000. Brick residence for Geo. Goetz, Esq., now building on Niagara St., \$8,000. Brick house for Henry Erb on Main St., \$8,000. St. Peter's Evangelical Church, cor. Genesee and Hickory Sts., brick and stone, Gothic, corner-stone laid July 22. J. Beier & Son, builders. Cost \$35,000. Brick house for Charles Groben, Mohawk St., cost \$7,000. Brick house for N. Hansaner, Franklin St., cost \$7,000.

Mr. Beebe also has plans nearly ready for a brick and stone residence for Mr. Nathaniel Brown, to cost \$25,000, in the English Gothic.

R. A. Waite, architect, is completing Dr. R. V. Pierce's Invalids' Hotel, commenced May, 1876, to cost \$125,000; Wm. H. Glenn's new iron front store, Main St., \$40,000; a brick residence for Mr. Hamlin, cor. Franklin and Virginia Sts., to cost \$10,000; a brick house for Mr. Chester on Delaware St., to cost \$20,000; and a frame house for Geo. Williams, Esq., to cost \$8,000.

Messrs. Oakley & Bloor are building a brick

house for Hon. E. C. Sprague on Delaware St., to cost \$7,500, and are making designs for a new brick residence for Bishop Cox of the Episcopal Church.

**POST OFFICE.** — Work on the foundations of the new Post Office building was to begin this week.

**Chicago.**

The following is a synopsis of the report of the Superintendent of Buildings for July, 1877, and for corresponding period 1876: —

Buildings started.	1877.	1876.
One story .....	9	9
Two " .....	39	12
Three " .....	5	1
One story and basement .....	5	12
Two " " .....	43	39
Three " " .....	42	44
Four " " .....	4	3
Five " " .....	1	1
<b>Totals .....</b>	<b>153</b>	<b>124</b>
Brick Fronts .....	104	56
Stones " .....	49	68
<b>Totals .....</b>	<b>153</b>	<b>124</b>

Buildings.	1877.	1876.
Stores .....	7	8
Stores and dwellings .....	23	18
Dwellings .....	54	86
Manufactories .....	4	1
Churches .....	4	2
Public and office .....	28	10
Barns and stables .....	3	3
Miscellaneous .....	3	1
<b>Totals .....</b>	<b>153</b>	<b>124</b>
Total cost of new buildings .....	\$718,000	\$722,300
Cost of basements, additions, and improvements to buildings previously erected .....	88,100	42,000

C. F. Blant, 2 two-story and basement brick stores and dwellings, 24' x 44', 341 and 333 South Desplaines Street. Cost \$6,000. G. F. Zucher, architect.

J. B. Chambers, two-story and basement stone-front dwelling, 2 1/2 x 66', at 632 West Washington Street. Cost \$5,500. S. V. Shipman, architect.

Louise C. Barnard, two-story and basement brick dwelling, 39' x 40', Cass, near Superior Street. Cost \$6,000. J. C. Cochrane, architect.

John P. Atwater, five-story and basement brick store, 40 1/2 x 155', Wabash Avenue. Cost \$30,000. J. M. Van Osdel & Co., architects.

Thomas G. West, two-story and basement brick dwelling, 18' x 55', Gilpin Place. Cost \$2,500. William Thomas, architect.

Miss Hoyt, four-story and basement brick home for friendless girls, 31' x 70', May and 11th Streets. Cost \$9,000. Dillenbergh, architect.

St. Peter's Parish, three-story and cellar brick schoolhouse, 22' x 64', at 62 Polk Street. Cost \$6,000. J. W. Ackermann, architect.

McLaren & Wells, 4 four-story and basement brick stores and offices, each 2 1/2 x 80', Dearborn Street. Cost \$40,000. C. P. Thomas, architect.

Dennis McCarthy, three-story and cellar brick dwelling, 23' x 50', at 367 North Clark Street. Cost \$6,000. Cobb & Beers, architects.

Total, 48 buildings; total cost, \$318,500; cost of additions and improvements to buildings previously erected, \$38,400.

**SOCIETY BUILDING.** — A contract for building new rooms for the Chicago Historical Society has been awarded to John McEwen. The expense of the building, which will occupy the site of the one destroyed by fire in 1871, will be defrayed by a voluntary contribution and by the annual assessment of the members of the society.

**Cincinnati.**

**BUILDING PERMITS.** — From May 22 to July 14, the Board of Public Works have issued 173 building permits, of which 94 were for repairs, estimated to cost \$118,620, 16 for new frame houses, and 56 for new bricks. Total cost of new houses, \$285,200; 6 stone fronts, estimated cost \$90,000. A permit issued for remodelling Pike's Opera House, not included in any of the above, estimated to cost 40,000. Total estimated cost of all the above improvements, \$533,820.

**Charleston, S. C.**

There is considerable activity in the building line in spite of the stringency of the money market. Very little of the work is being done by architects, much of it by the days' work and superintended by the owner of the premises. Much repairing and extending of buildings is under way; the work generally being of a better grade than that of several preceding years. There is a greater degree of confidence shown in making investments than at any time since 1860, although there is a lack of capital. The following have been recently erected, or are now in process of completion: —

Charleston Gas-Light Co.'s Office, on Meeting Street, two stories in height; lower story, Ionic order, 15'; second story, Corinthian, 16', in clear brick; plan 85' x 30'; cost \$12,000. Design by J. D. Aiken; Walter Cade, contractor and builder.

St. Mark's Church, Thomas Street. Corinthian order; 45' x 110'; brick and wood. \$12,000. J. H. Devereux, architect and contractor.

Residence of George W. Williams, Esq., Meeting Street. Three stories and basement, red and black brick, slate trimmings. This is the first time that black brick has been used here. 60' x 125'. \$100,000. J. H. Devereux.

Residence of Edmonds T. Brown, Esq., Rutledge Avenue. Two stories and basement, gray brick, villa style, 35' x 70'. \$15,000. Abrams & Seyle.

Block of stores for Timothy Hurley, Esq., on Meeting Street. Two stories. Contains four stores; brick rough cast and colored to imitate brown stone; 85' x 100'. The stores have only very recently been finished, but have immediately been leased, and Mr. Hurley proposes to build a continuation on the south of 56' x 100'; first floor to be used as stores, the second fitted up as a hall, and will probably be used by the "Bruderlicher Band." Extension to cost \$25,000.

Store for Messrs. Wulbern and Pieper, East Bay Street. Brick, with iron front, two stories, 50' x 120'. There is also a brick extension in the rear (L shaped), opening on Queen Street. \$12,000.

Store for estate of Marjenhoff, East Bay Street. Three stories, brick, rough cast and colored, 87' x 21'. J. H. F. Wragge, contractor and builder.

Press-House and Engine-Room for Union Cotton Press and Wharf Co. Brick, one-story; boiler-house, 47' 8" x 28'; press-room 60' x 34'; stalk 80'. This is quite a pretty piece of work in its way; to be entirely fire-proof, iron and slate roof, doors and windows of iron; There are three flue boilers, 50 inches diameter, double riveted; 80 lbs. steam, with bursting capacity of 320 lbs. The new press is one of John F. Taylor's patent steam and hydraulic cotton presses, and is the one that was exhibited and received a diploma at the Centennial Exposition (this fourth press now owned by the company, two others being of the Taylor patent, the remaining one of the Tyler patent). Over five hundred running feet of shed-room is now being erected, to be used in connection with this press and the three piers, also owned by the company, all of whose property is connected by a tramway through the city with the S. C. & N. E. R. R.'s. The amount expended on the present enlargement is \$60,000. D. G. Wayne and F. J. McGarey are the contractors.

The Commercial Cotton Press and Wharf Company are putting up a shed 160' x 55', and the Champion Cotton Press has commenced to put several acres under cover also.

There are now nine cotton presses here, those of the Union C. P. & W. Co. having alone a capacity of 2,500 bales per diem of ten working hours. On an emergency they can compress even more.

There are besides many smaller residences and stores going up; but they represent comparatively little capital.

**New York.**

**BUILDINGS PROJECTED FOR WEEK ENDING AUG. 7.** — Eighteen in number. Consisting of stores, offices, flats, dwellings, etc. Total value, \$250,000.

Owners.	Architects.	Builders.
John Clanter.....	John Brondt.....	Joseph Handweck...
F. M. Feysen.....	J. F. Duckworth....	J. T. Conover.....
S. Bellman.....	Charles Baxter.....	C. Callahan.....
P. Muller.....	C. Callahan.....	C. Callahan.....
Courad Bechhardt...	Wm. Field & Son.....	.....
Nat'l Line of Steamers	A. B. Ogden.....	.....
Richard Hennessy...	J. E. Ware.....	.....
James Meehan.....	J. B. Smith.....	James Meehan.....
William Fallon.....	J. C. Burne.....	.....
— Evans.....	.....	.....
J. H. Moore.....	Wm. Field & Son.....	S. M. Lynch.....
Robert Streibigh...	J. M. Dunn.....	.....
J. F. Ismay.....	.....	.....
William McGrath....	.....	.....
Bernard Shoen.....	.....	.....
F. H. Keller.....	George Holgrit.....	A. Ewald.....

**ABATTOIR.** — The large building known as the Manhattan Market, built at great expense at the foot of West Thirty-fourth Street, North River, only a few years ago, having proved a failure for the purposes of a market, the western half of the building has been fitted up for a slaughter-house; and a large number of cattle are now daily slaughtered there.

**ARMORY.** — The corner-stone of the new 7th Regiment armory, at Sixty-sixth Street and Madison Avenue, will be laid in September, and an effort will be made then to raise funds to continue the work. The officers of the regiment, as well as several of the companies, have decided to devote to the new armory the money due them for service during the strike. It is expected that the other companies will

take the same course when they meet. This sum of money will amount to several thousand dollars.

**HOME OF ST. JOHN.**—The corner-stone of "The Home of St. John the Baptist," an institution where poor children will be educated by the Sisters of that name, was laid Aug. 2, in Rutherford Place, near Seventeenth Street, the site of the new building.

**A NEW BUILDING.**—George Munro, the publisher of the *Fireside Companion* and the Seaside Library of standard novels, is erecting on Vandewater Street, facing the new Brooklyn bridge, a handsome building, which he will occupy as a publication office and printing-house. The building will be 133 feet front by 100 feet in depth, and ten stories in height, including basement and sub-basement. It will be entirely of brick, with granite trimmings. Work was begun on the foundation last April, and is now well advanced. The building will have three elevators, which will run in brick enclosures, and ample accommodation for engines and boilers will be provided in a separate structure. The building will be supplied with water by five driven wells.

#### Indianapolis.

**THE CAPITOL BUILDING.**—The State House Commissioners have advertised for proposals to remove the old Capitol building from the grounds, so as to be able to commence the new building early next season.

**COURT HOUSE.**—The design of B. V. Enos & Son was accepted for the Wabash court-house.

**EXCHANGE BUILDING.**—W. H. Brown has on hand the Stock Yard Exchange building, part of which will be fitted up for a hotel. It will be located south of the city, on the grounds owned by the company. He has other smaller works, — a brick dwelling-house for Dr. Waterman on North Delaware Street.

**RESIDENCE.**—C. A. Wallingford has on hand a dwelling-house for H. D. Pierce, which is being built on North Meridian Street. The work is contracted with the Builders and Manufacturers' Association.

#### Philadelphia.

**BUILDING PERMITS.**—Recently the Building Inspectors have issued the following permits for a large number of alterations, and for the erection of new buildings: J. P. Logan, 9 two-story dwellings, 14' x 40, Story St.; E. R. Godschalk, 4 three-story dwellings, 16' and 18' x 42', Lancaster and Girard Avenues; Jas. Campbell, 2 two-story dwellings, 15' x 30', 48th St.; P. Toomey, 2 three-story dwellings, 16' x 48', 41st St.; W. Burney, 1 four-story warehouse, 15' x 70', No. 67 North Second St.; E. R. Godschalk, 5 three-story dwellings, 16' x 42', Girard Avenue; R. Manley, 2 three-story dwellings, 14' x 56', Paschall St.; J. Schwabland, 4 two-story dwellings, 12' x 30', Story and 36th St.; E. R. Godschalk, 7 three-story dwellings, 16' x 42', 48th St. and Lancaster Avenue; J. A. Palmer, 2 three-story dwellings, 19' x 52', 40th St.; W. H. List, 6 three-story dwellings, 16' x 40', Union St.; J. L. Shoemaker, 25 two-story dwellings, 16' x 35' and 12' and 14' x 28', Union Place; T. J. Haddock, 7 three-story dwellings, 16' and 17' x 54', Second St.; J. C. Beaver, 20 two-story dwellings, 18' x 20', Bolton St.; J. H. Evans, M.D., 2 three-story dwellings, 18' x 24' and 55', corner of 6th and Venango Sts.; Flood & Brother, 27 two-story dwellings, 14' x 28', Lawrence St.; C. A. Snyder, 5 two-story dwellings, 13' x 47', Nassau St.; J. & W. Steel, 2 two-story buildings, 18' x 45', Coral and Cumberland Sts.; Flood & Brother, 29 two-story dwellings, 13' x 28', Leithgow St.; C. A. Snyder, 2 three-story buildings, 15' x 48', Waterloo St.; P. B. Jones, 32 three-story dwellings, 14' x 44', 28th St.; T. Meehan, 4 three-story buildings, 18' x 48', Thompson St.; J. L. Senoff, 3 three-story dwellings, 22' x 80', Broad St.; W. Heckman, 2 three-story dwellings, 16' x 32' and 44', No. 1242 Mascher St.; C. Hucker, 4 three-story dwellings, 15' x 32', 13th St.; A. P. Bilyeu & Sons, 12 three-story dwellings, 16' x 53', Franklin St. and Montgomery Ave.; J. Taylor, 3 three-story dwellings, 16' x 50', Thompson St.; T. Meehan, 11 two-story dwellings, 14' and 15' x 40', Taylor St.; M. Heins, 3 three-story buildings, 16' x 52', cor. of York and Lawrence Sts.; T. Meehan, 5 three-story dwellings, 16' and 18' x 48', cor. of 25th and Thompson Sts.; D. R. Corbyn, 6 three-story dwellings, 18' x 60' and 20' x 65', Columbia Ave. and 20th St.; Smith & Fagley, 3 three-story dwellings, 16' x 40', Front and Somerset Sts.; W. Charlton, 5 three-story dwellings, 14' x 27' and 18' x 32', Thompson Street; A. P. Bilyeu & Sons, 4 three-story dwellings, 16' x 44', cor. of 4th St. and Susquehanna Ave.; W. Charlton, 4 three-story dwellings, 14' x 27', 27th and Thompson Sts.; T. J. Haddock, 6 three-story dwellings, 16' x 44', 2d St.

**PRESBYTERIAN HOSPITAL.**—The new surgical ward for the Presbyterian Hospital will be one story in height, and will be constructed of brick, having a frontage of 33 feet, and a depth of 147 feet 10 inches. The main walls will be arranged in hollows, with an open space so as

to give the building a free ventilation from the ground to the roof. The south end will contain the sitting-room, 16' x 44', beneath which the kitchen and storage-rooms will be situated. The north end will be divided off into operating-rooms, consulting-room, medicine closets, baths, and other apartments for necessary appurtenances. In the basement, immediately under the latter apartments, the boilers, engine, etc., for heating and ventilating the building, will be situated. The remainder of the building will be used as the hospital ward proper, its dimensions being 94' x 34', and will afford accommodations for twenty-eight beds. This portion of the wall will be supported by brick arches resting on brick piles, thus giving free ventilation. The builders are Messrs. Richards & Verdier, and the architects Messrs. Wilson Brothers & Co., of No. 410 Walnut Street.

#### St. Louis.

Twenty-six permits have been issued for the week ending Aug. 3. Six of these are for frame structures of slight value. The rest are for brick buildings with brick or stone fronts. Those worth \$2,500 and over are as follows:—

Owners.	Building.	Stories.	Rooms.	Cost.
A. O'Brien .....	Dwelling.	2	8	\$2,500.00
John De Moss .....	"	3	20	15,000.00
J. Stiermann .....	"	2	8	2,800.00
D. Tiffany .....	"	3	18	7,000.00
Preston Payer .....	"	3	18	7,000.00
D. Kohn .....	"	3	10	5,000.00
C. A. Ghio .....	"	2	12	2,300.00
Meier & Kaiser .....	"	2	62	15,000.00
A. Boardman .....	"	2	8	2,200.00
Sarah E. Richeson .....	"	2	16	6,000.00
Mrs. Everole .....	"	2	6	3,000.00
Washington University .....	School.	3	25	40,000.00

\* Joseph W. Givens, contractor.

**CHURCH.**—The congregation of the Second Baptist Church, Rev. Mr. Boyd, pastor, which has for several years been worshipping in their new chapel, has decided to begin the erection of the main edifice, and the excavation is now in progress. The design was prepared by Mr. Nichols of Albany, N.Y.

#### General Notes.

**AKRON, O.**—Mr. F. Sukesch has the contract for building the Third Ward schoolhouse, which is to cost about \$7,000.

**ANDERSON, IND.**—Ed. May's design was accepted for the county poor asylum, near Anderson, Ind.

**ARCADE, N.Y.**—A new Congregational church has just begun to be built from the plans of Mr. M. E. Beebe of Buffalo, N.Y. It is to cost about \$7,000.

**DEADWOOD, D.T.**—It is proposed to build a \$20,000 court-house.

**EAST AURORA, N.Y.**—The contracts for the new Methodist Episcopal church, M. E. Beebe of Buffalo, N.Y., architect, have just been signed. The church is to cost about \$6,000.

**GERMANTOWN, PENN.**—\$2,500 have been subscribed by the citizens for the erection of a steeple for their town hall, to receive the bell which recently was removed from the steeple of Independence Hall. The tower will be of ornamental design, of heavy timber and covered with slate. It will be 55 feet high from the top of the roof, giving a total height of 100 feet from the ground to the top of the spire.

**GRUNDY CENTRE, IO.**—\$1,200 have been voted towards building a jail.

**HARRISON, O.**—The contract for finishing the city hall has been awarded.

**HOPEWELL, N.J.**—Work is progressing upon the new Roman Catholic church.

**JAMESTOWN, N.Y.**—M. E. Beebe of Buffalo has nearly completed the drawings for the new Presbyterian church; it is to cost about \$25,000.

**JOLIET, ILL.**—St. Mary's Roman Catholic church is to be of stone, 86' x 138', with a tower 190' high. Mr. Keily of Brooklyn, N.Y., is the architect.

**MANCHESTER, N.H.**—Hon. Moody Currier has presented an elegant and substantial drinking-fountain to the city, to be erected in front of the Amoskeag Bank.

**MANHATTAN ISLAND, N.Y.**—The whole number of buildings on Manhattan Island is 84,200; of dwelling-houses there are 67,156.

**MIDDLETOWN, CONN.**—The contracts for building the Psi Upsilon hall have been made. Capt. J. W. Addeas has the mason-work, and J. W. Hubbard the wood-work.

**MOUNT PERRY, O.**—The United Presbyterians are building a new church, 42' x 60'; bell-fry, 10' x 10'. The probable cost will be \$4,000. The frame-work is raised.

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## INDEX OF CURRENT WORK.

Giving information concerning important buildings now unfinished.

#### Boston, Mass.

**CHURCH.**—Cost, \$75,000. Mr. John Welch, architect, Brooklyn, N.Y.

**FAMILY HOTEL.**—S. B. Gay, owner. G. F. Meacham, architect. Woodbury & Leighton, builders.

**HOTEL.**—Hotel Sumner. E. B. Horn, owner. Messrs. Appleton & Stephenson, architects, Boston, Mass.

**HOTEL.**—Creighton House. C. Fehner, architect.

**SCHOOLHOUSE.**—High and Latin School. G. A. Clough, architect.

#### Brooklyn, N.Y.

**CONCERT GARDEN.**—F. H. Coles, architect. Cost, \$50,000.

**HOSPITAL.**—Church Charity Foundation of the Protestant Episcopal Diocese of Long Island \$450,000.

**SCHOOLHOUSE.**—Corner 6th Avenue and 8th Street.

#### Chicago, Ill.

**APARTMENT HOUSE.**—C. P. Thomas, architect. \$16,000.

**CHURCH.**—Jefferson Park Presbyterian. J. C. Cochran, architect.

**STORE.**—D. W. Kendall, architect. \$32,000.

#### Cincinnati, O.

**HOTEL.**—St. Nicholas Hotel. A. C. Nash, architect.

**STORE.**—Ains & Doeplke, owners. Hannaford & Procter, architects.

**MUSIC HALL.**—Hannaford & Procter, architects.

#### Cleveland, O.

**HIGH SCHOOL.**—Brooks & Lins, contractors. L. T. Scofield, architect. \$73,890.

**ASYLUM.**—Home for Aged Poor. Cudell & Richardson, architects, Cleveland, O.

#### Indianapolis, Ind.

**CHURCH.**—Second Presbyterian Church. B. V. Enos & Son, architects.

**CHURCH.**—Heights Congregational Church. Walter Blythe, architect.

**BLOCK OF STORES.**—Corner Erie Street and Woodland Avenue. Griese & Weile, architects and builders.

#### New Haven, Conn.

**OPERA HOUSE.**—New Haven Opera House Co. Nicholas Countryman, contractor.

#### New York.

**CONVENT OF THE SISTERS OF ST. JOHN.** E. G. Littell, architect.

**CHURCH.**—Roman Catholic Church, West Fifteenth Street. Cost, \$150,000.

**STORE.**—G. Thomas, architect. Cost, \$20,000.

#### Philadelphia.

**CHURCH.**—Central Presbyterian, Collins & Autenreith, architects. G. Watson, builder.

#### General.

**ANDERSON, IND.**—Asylum. M. E. May, architect, Indianapolis, Ind.

**ANN ARBOR, MICH.**—Court House. Mr. Bunting, architect, Indianapolis, Ind.

**ARCADIA, WIS.**—Court House and Jail. C. G. Maybury, architect, Winona, Minn. \$25,000.

**BELFAST, ME.**—Masonic Temple. G. M. Harding, architect, Boston, Mass.

**FARIBAULT, MINN.**—Deaf, Dumb, and Blind Asylum. J. Babcock & Co., contractors. \$53,430.

**GALVESTON, TEX.**—Cotton Exchange. Gibbs & Moser, architects.

**GARDEN CITY, L.I.**—Stewart Memorial Church. H. G. Harrison, architect.

**HARTFORD, CONN.**—Trinity College. T. H. Kimball, supervising architect.

**HOBOKEN, N.J.**—St. Mathew's Church. Mr. H. Englebert, architect, New York.

**HOLYOKE, MASS.**—Hotel and Opera House. William Whiting, owner.

**JERSEY CITY.**—Catholic College. L. O'Connor, architect.

**NORTHAMPTON, MASS.**—Church. Peabody & Stearns, architects, Boston, Mass.

**OMAHA, NEB.**—Union Pacific Railroad Depot. Cost, \$100,000.

**PORTSMOUTH, N.H.**—Opera House. Heirs of John W. Felce.

**PROVIDENCE, R.I.**—City Hall. S. J. F. Thayer, architect, Boston.

**ROME, GA.**—Shorter Female College. J. A. Cooley, contractor.

**SING SING, N.Y.**—Methodist Church. Cost, \$48,000.

**SPRINGFIELD, MASS.**—Office of the Springfield Republican. Fort & Gardner, architects.

**WABASH, IND.**—Court House. Cost, \$100,000.

**WATERBURY, CONN.**—Methodist Church. \$40,000.

**WAUKEGAN, ILL.**—Court House. Cost, \$40,000.

**ZANESVILLE, O.**—Hotel. H. E. Myers, architect. Black & Graham, owners. \$75,000.

## Drawings for the American Architect and Building News.

Architects and architectural draughtsmen who desire to contribute drawings for publication will find the following facts of use:—

Only pen-and-ink drawings, without brush-work of any kind, can be reproduced.

The space upon a single page allowed for a drawing is 7" x 11"; therefore drawings should have approximately these proportions.

The reproductions are most satisfactory when they are from one-third to one-half as large as the originals.

The most satisfactory results are obtained from drawings upon Bristol board, or hot-pressed Whatman.

Tinted paper should not be used.

Tracing cloth upon the dull side, bank-note paper, or tracing paper, provided it is not of a yellowish tinge, may be used in cases of absolute necessity.

The ink should be black and of uniform strength.

The lines should be firm, sharp, not too coarse, and not unintentionally broken.

Shading and hatching lines must not be too close and crowded, especially where a large surface is to be shaded.

It is very desirable that plans should accompany the drawings.

Drawings of details both constructional and ornamental are also desirable.

PROPOSALS.

BOILER FURNACES.

NAVY DEPARTMENT. BUREAU OF STEAM ENGINEERING, WASHINGTON, July 27, 1877. Sealed proposals, indorsed on envelopes...

COPPER.

NAVY DEPARTMENT. BUREAU OF CONSTRUCTION AND REPAIR, WASHINGTON, July 10, 1877. Sealed proposals to furnish and deliver at the Washington Navy Yard...

BOILER IRON.

NAVY DEPARTMENT. BUREAU OF STEAM ENGINEERING, WASHINGTON, July 10, 1877. Sealed proposals, indorsed on envelopes...

MASONIC HALL.

ATHENS, O. Sealed proposals will be received by the Building Committee of Paramathia Lodge, No. 25, F. and A. M. of Athens, O....

COURT-HOUSE.

HAMILTON COUNTY, IND. The Commissioners of Hamilton County, Ind., will receive proposals until 1 o'clock, P.M., Aug. 14, 1877, for the erection of a first-class Court-House...

SCHOOL HOUSE.

MIAMI, O. Proposals will be received at the Township Clerk's office by the Board of Education of Miami Township in the village of Yellow Springs, O....

BRIDGE.

CRAWFORDSVILLE, IND. Proposals will be received at the Auditor's office, in Crawfordsville, Montgomery Co., Ind., until Monday, Sept. 3, 1877, for the building and erection of an iron bridge...

PROPOSALS.

WORKSHOP AND STABLE.

CINCINNATI, O. The Trustees of the Ohio Institution for the Blind will receive sealed proposals until 12 o'clock, noon, Thursday, Aug. 10, 1877, for the construction of a Workshop and Stable...

CUT STONE.

LITTLE ROCK, ARK. OFFICE OF THE SUPERVISING ARCHITECT, TREASURY DEPARTMENT, WASHINGTON, D.C., Aug. 6, 1877. Sealed proposals will be received at this office until 12, M., on the twenty-second day of August, 1877, for furnishing and delivering at the site of the United States Court-House...

CITY OF BOSTON.

Sealed proposals will be received at the Branch Office of the City Architect, Warren Avenue, until Tuesday, August 14, at 12 o'clock, M., for furnishing all materials and doing all the labor required to build and complete the piling and stone work for the foundation of the new English High and Latin School Building, Warren Avenue...

BRIDGE AND MASONRY.

CLEVELAND, O. Proposals will be received at the Auditor's office, of Cuyahoga County, in Cleveland, O., until 12 o'clock, M., Aug. 28, 1877, for materials and labor for constructing the necessary masonry and wood superstructure for a bridge over Stony Creek in Brooklyn township...

BRIDGE.

CRAWFORDSVILLE, IND. Proposals will be received at the Auditor's office in Crawfordsville, Montgomery Co., Ind., until Monday, Sept. 3, 1877, for the building and erection of an iron bridge 238 feet long over Sugar Creek, in Brown township...

BRICK CHURCH.

BRIGHTON, ONT. Tenders for the erection of a M. E. Church (brick), in the village of Brighton, Ont., will be received up to the 15th of August. Plans and specifications may be seen at the office of J. O. Proctor, Esq., Brighton, Address...

SCHOOLHOUSE.

BROWN, O. The Local Directors of sub-district No. 3, Brown Township, Franklin Co., O., will receive proposals until noon, Aug. 29, 1877, for the erection of a brick School-house, 2 1/2 miles west of Hilliards. Plans and specifications can be seen at the residence of T. K. SHERWOOD, in Brown Township, O.

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COMPETITIONS.

INSANE ASYLUM.

PENNSYLVANIA. Proposals for Plans for the new Hospital for the Insane, for the South-eastern District of Pennsylvania, At a meeting of the Commission appointed to select a site and erect a new Hospital for the Insane, for the South-eastern District of Pennsylvania, held Saturday, April 7, 1877, the following resolutions were adopted...

THOMAS G. MORTON, M.D., Chairman. Commissioners.—Joseph Patterson, Esq., Western Bank, Philadelphia; Thomas G. Morton, M.D., 1421 Chestnut Street, Philadelphia; H. M. Howe, M.D., 1206 Locust Street, Philadelphia; James S. Chambers, 25 South Seventh Street, Philadelphia; Henry T. Darlington, Esq., Doylestown, Bucks County; L. W. Read, M.D., Norristown, Montgomery County; W. H. Miller, Esq., Hornellville, Delaware County; George F. Smith, Esq., West Chester, Chester County; W. M. Lechler, Esq., Allentown, Lehigh County; John Shouse, Esq., Easton, Northampton County.

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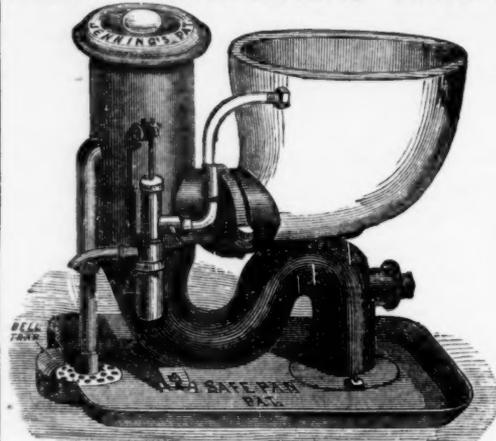
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Table listing prices for PAINTS AND COLORS, with items like Chrome yellow, in oil.

Table listing prices for NAILS, with items like No. 1, 18c.; extra, 20c.

Table listing prices for PAINTS AND COLORS, with items like White Lead, Strictly pure, \$9.75; fancy brands, \$7.00 @ \$9.00.

Table listing prices for SHEET ZINC, with items like Full casks, 9c.; slabs, 1/2 @ 9c.

Table listing prices for SHEET IRON, with items like No. 24, 3/16 rates; Russia Iron, Nos. 9 to 12, 1/16; do. No. 1, studded, 1/16; American planished A, 1/16; B, 1/16; galvanized iron, No. 26, 1/16, with discount of 35 per cent.

Table listing prices for WIRE, with items like Nos. 1 to 4, 9c.; 5 to 9, 10c.; 10 to 11, 11c.; 12, 11c.; 13 and 14, 12c.; 15 and 16, 14c.; 17, 15c.; 18, 16c.; 19, 17c.; 20, 20c. Discount of 45 per cent.

Table listing prices for OILS, with items like Linseed, raw, 65c.; boiled, 68c.

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**BUILDING INTELLIGENCE.**

[Reported for the American Architect and Building News.]

**A RECORD.**

Showing how buildings recently burned are to be replaced.

**OTTAWA, CAN.**—Rebuilding Wellington Ward Market, destroyed by fire 1876, excepting walls. Original cost \$26,000, restoration \$11,000. James Mather, architect. Thos. Kane, builder.

**St. JOHN, N.B.**—Otis Small will rebuild at once, and will erect a brick building 50' x 85', having five stories on Nelson Street and three on Dock Street. Architects, Messrs. Starbuck & Vinal, Boston, Mass. Builders, Messrs. Tilley & Redfern.

**WESTFIELD, MASS.**—Messrs. Jessup & Laffin will replace that portion of their paper-mill which was burned May 19, with a two-story brick building, 98' x 60', another 30' x 33', and a third 50' x 25'. These will be used for engine and rag-room, bleach-house, and stock-house. Architect, D. H. Tower, Holyoke, Mass. Builders, G. and T. J. Green, Westfield.

**WINONA, MINN.**—The brewery, malt-house, and laborers' dwelling, belonging to C. C. Beck, Esq., and located just without the city limits, which was totally destroyed by fire on the night of the 8th inst., causing a loss of about \$12,000, will probably be rebuilt as soon as the insurance is adjusted.

**SUMMARY OF THE WEEK.**

Reports from the Principal Cities and Towns of the Country.

**Boston.**

**BRICK STRUCTURES.**—The following permits have been issued at City Hall:—

Messrs. Hartwell & Tilden, two dwellings on Warren Street, 21' 6" x 43' 6" and 23' x 43'. Woodbury & Leighton, builders.

William S. Rand, two dwellings, 24' x 55', on Dartmouth, near Newbury Street.

John E. Cahill, dwelling, store, and office, 37' x 22', on West Chester Park, near Tremont Street.

Fred K. H. Tarbox, dwelling 24' x 64', on Newbury Street.

William Carpenter, greenhouse, 24' x 50', on Forest Hill Street.

John W. Shapleigh, dwelling, 24' x 50' 4", on Newbury Street.

**WOODEN BUILDINGS.**—Permits have been issued as follows: J. N. Goodnough, stable; John Scales, cabinet-maker's and repair shop; A. T. Quigley, dwelling; Christopher Tilden, jun., church (Grove Hall Universalist, Blue Hill Avenue); Beal & Spear, dwelling; Martin Cunningham, stable.

**BUILDING IN 1877.**—The number of buildings (brick and wood) erected in Boston thus far this year is larger than in the corresponding months of 1875 and '6. The cost of repairs already completed this year amounts to upwards of \$500,000, being over 200 in excess of 1875-'6.

**POST OFFICE.**—The new extension will be built by day's work.

**Chicago.**

For the week ending Aug. 11, 43 permits were issued for new buildings, removals, and alterations. The following were for buildings of two stories and over, all brick:—

William Marshall and John Hogan, two two-story and basement dwellings, each 22' x 40', Hurlbut Street, near Sophia. To cost \$5,000.

Pond & Soper, two-story planing-mill, 50' x 60', Harrison Street, near Loomis. To cost \$3,000.

William H. McKee, two-story and basement brick dwelling, 22' x 46', St. Tompkins Street, near Taylor. To cost \$2,500.

The same, five two-story and basement dwellings, each 20' x 46', Tompkins Avenue, near Taylor. To cost \$11,250.

The same, ten two-story and basement dwellings, each 20' x 46', Tompkins Avenue, near Polk. To cost \$22,500.

Warthman Bros., three two-story and basement dwellings, 17' x 45', Congress Street, near Michigan Avenue. To cost \$15,000.

John Quinn, two-story dwelling, 17' x 26', 31 Block Street. To cost \$1,000.

Anna Reimers, two-story and basement dwelling, 21' x 40', 107 Townsend Street. To cost \$1,000.

C. Z. Schuppe, four-story and basement stone-front store and dwelling, 20' x 58', 168 Michigan Street. To cost \$5,000.

C. Brismick, two-story and basement dwelling, 23' x 50', 814 Halstead Street. To cost \$3,000.

J. M. Flower, three-story and basement stone-front dwelling, 40' x 108', Superior Street, near Pine. To cost \$10,000. Architects, Treat & Foltz.

Wm. Sickman, three-story basement and at-

tic dwelling, 22 1/2' x 46, Franklin, near Clark. To cost \$2,400.

P. Sawyer, two-story basement and attic dwelling, 25' x 66', Michigan Avenue, near Eighteenth Street. To cost \$12,500. Fred. Baumann, architect.

**Cleveland, O.**

**DWELLINGS.**—Three frame dwelling-houses, costing \$3,000 each, are to be erected at the corner of Hayward and Sibley Streets, 23' front each on Hayward Street, and 51' deep. Mr. L. K. Raymond of Garrettsville, owner. Mr. H. E. Meyer, architect.

Frame dwelling, cor. of Cedar and Case Avenue; three-story; 38 1/2' front by 55' deep. Mr. G. W. Rose, owner. Mr. H. E. Meyer, architect.

Frame dwelling, cor. Madison and Euclid Avenues, for Mr. A. W. Hurlbut, 64' front, 90' long; to cost about \$7,000. Mr. Joseph Ireland, architect. S. C. Brooks & Co., contractors.

**ORGAN, ETC.**—Mr. Joseph Ireland, architect, is making alterations in the First Presbyterian Church. The organ and choir gallery are to be removed from their present position to the rear of the pulpit. The new organ is to be furnished by Messrs. Gardin & Son of New York. Messrs. S. C. Brooks & Co. are the carpenters. The alterations will cost about \$2,500.

**STORES.**—A brick block to contain two stores is being built upon Detroit Street for Mr. D. H. Kimberly. It is to be three stories in height, 34' front by 70' deep. It will cost about \$4,000. Mr. Levi Aust is the contractor.

**CONVENT.**—Work is going on at the new convent known as the Ursuline Academy. It is situated on the lake shore at Nottingham, about ten miles from this city. The building will consist of a central or administration building, with two wings of three stories. The wings, which contain the principal school-rooms, are flanked with the cloisters, which contain on the first story school and practice rooms, and above the apartments of the sisters. At the rear of the central structure is the chapel building, containing the chapel, 50' x 100', and an exhibition-room beneath of the same size. There is also a smaller chapel for the use of the neighborhood. The total length will be about 450', and the depth 320'. The whole structure will cost about \$120,000. The work done this year will amount to about \$35,000. Mr. L. A. Heard is the architect. The grounds, 40 acres in extent, are being laid out with elegance.

**APARTMENT-HOUSE.**—Dr. S. M. Sargeant is about to build a fine building for an apartment-hotel, at the corner of Erie and Chestnut Streets. It will be of brick, with stone finish; three stories and a basement in height. It will have a frontage of 64' on Erie Street, and 84' on Chestnut. It will cost about \$13,000. Messrs. Cudell & Richardson are the architects.

**TABERNACLE.**—This is the private enterprise of Mr. W. H. Doane, and a few other of the leading citizens of Cleveland. It is to stand at the corner of St. Clair and Ontario Streets, and is to be completed by Aug. 24. It is to be 116' x 130', and will seat 4,000 persons. The height from the ground to the eaves will be 24'; at the gable ends 40'. The side-walls will be faced with brick. 130,000' of lumber will be used in its construction. Mr. Jos. Ireland is the architect, and Mr. L. C. Cattell the contractor. It will be occupied about the first week in October by the National Temperance Convention which meets here.

**BRIDGE.**—The King Iron Bridge Co. have been awarded the contract for building the new iron bridge across the Des Moines River. It will be 900' long, in six equal spans. It is expected to be completed before the 1st of January next.

**New York.**

**BUILDINGS PROJECTED FOR THE WEEK ENDING AUG. 14.**—Nine in number; consisting of stores, offices, factories, etc. Value, \$48,700.

Owners.	Architects.	Builders.
Patrick Wall.....	J. Boeckell.....	William Schmalz....
William Grady.....	Anthony Imhoff....	.....
Fullan Brothers.....	George Halgeit.....	Peter Kay.....
William Michael.....	.....	.....
Leitz Brothers.....	A. Pfund.....	.....
Nicholas Greubel.....	John Busen.....	.....
William A. Hare.....	William Percin.....	.....
C. J. Seiler.....	J. M. Brandt.....	.....
Municipal Gas Light Co.....	T. E. Rowland.....	J. H. Whittier.....

**Ottawa City, Can.**

**SEMI-DETACHED HOUSES** on Nefrean Street. Frontage 50', depth 38' 4"; contract \$5,280. Contractor, John Stewart, Ottawa. Architect, Walter Chesterton.

**DWELLING HOUSE,** Rideauville. Frontage 38' 6", depth 32'; contract, \$3,010. Contractors, Messrs. McDonald & Bell, Stewarton, Ottawa. Architect, Walter Chesterton, Ottawa.

**BAPTIST CHAPEL,** corner of Maria and Elgin Streets. Outside size over all, 67' x 98'. Basement of local limestone; superstructure, brick, with stone finish; roof and spire of wood.

Spire 168' in height. Cost \$16,000. James Mather, architect. Strachan & Beckett, builders.

**RESIDENCE** for N. Bate, Elgin Street. Stone foundation; superstructure brick with stone dressings; size 32' x 60'. Cost \$3,500. James Mather, architect. Taylor & Black, builders.

**RESIDENCE** for John Mather, Theodore Street. Stone basement; superstructure, white brick with stone finish; size 57' x 64'. Cost \$9,000. James Mather, architect. Toms & Black, builders.

**RESIDENCE** for W. Schoolbred, Cooper Street. Size 42' x 30'; brick walls on stone foundation. Cost \$3,000. James Mather, architect. Edmonston & Moxley, builders.

**PRIMARY SCHOOLS,** Anglesea Square. Brick walls on stone foundation; size 60' x 34'. Cost \$3,500. James Mather, architect. Robertson & Fellows, builders.

**SUPPLEMENTARY MARKET,** Anglesea Square. Brick walls on stone foundation. Cost \$1,500. Designed by City Engineer. T. Burns, builder.

**Philadelphia.**

**SCHOOLHOUSES.**—A new consolidated schoolhouse is nearly finished in the 27th ward. The schoolhouse in the 26th ward is also nearly finished. In the 31st ward a brownstone and Ohio stone schoolhouse is building. In the 28th ward a stone schoolhouse is building. A brownstone schoolhouse in the 21st ward is now being roofed in. Plans for another schoolhouse in this ward have been prepared.

**CHURCH REPAIRS.**—St. Peter's R. C. church has been lately put in good repair.

**DWELLINGS.**—Messrs. Widener, Elkins, & Lane are to build at the corner of Broad Street and Girard Avenue, a block of nine sandstone houses.

**GAS WORKS.**—Work is progressing rapidly, and it is thought that the building will be finished in October.

**St. Louis.**

Forty-two permits have been issued for the week ending Aug. 10. Seventeen of these are for frame structures of slight value. The rest are for brick buildings with brick or stone fronts. Those worth \$2,500, and over are as follows:—

Owners.	Building.	Stories.	Rooms.	Cost.
Rudolph Wagner....	Store & dw.	3	11	\$5,000.00
A. Schuler.....	Stable	2	3	4,000.00
S. Neaton.....	Dwelling.	2	8	2,500.00
H. Rind.....	Store & dw.	2	12	3,200.00
John Irlie.....	" "	2	9	3,000.00
J. Vogel.....	" "	2	9	5,000.00
St. L. Pub. Schools....	School.	2	10	5,000.00

**General Notes.**

**ANN ARBOR, MICH.**—Work on the new court house began on the 31st ult. P. H. McCormick of Columbus, Ind., architect. Messrs. Funting & McPherson of Indianapolis, contractors.

**BALTIMORE, MD.**—The new edifice of the First Baptist Church is making good progress, and the members expect to occupy it in November.

**BROOKLYN, N. Y.**—The rebuilding of the Brooklyn Theatre has been abandoned.

**DAYTON, O.**—A new schoolhouse is to be built in the north-west part of the city.

**ERIE, PENN.**—The contract for building school No. 1 has been let to Mr. Christopher Kerner, for \$7,800. Mr. D. K. Dean has been appointed to superintend the work.

The plans for a chapel for Park Church have been completed by Mr. D. K. Dean, architect. It will be in the Gothic style, 65' x 35', with a projection, containing in the front a vestibule, of 35' x 16'. It will be built of brick, with stone wrought work and copings.

**HARRISON, O.**—Work has been resumed on the City Hall, and soon it will be completed.

**ITHACA, MICH.**—Messrs. Robertson & Co. of Grand Rapids, Mich., have the contract for building the jail and sheriff's residence.

**KINGSTON, N. Y.**—Mr. W. W. Goodrich's plans for the centenary memorial building have been accepted. It is to be a two-story stone building with a tower. It is to cost about \$15,000.

**LYNN, MASS.**—A brick building, with Nova Scotia sandstone finish, 40' x 82', four stories high, is being erected on Market Street for A. B. Martin, Esq., from the plans of John Lewis, J. L. Whittredge, mason, and Jos. Breed (2d) & Sons, carpenters. Mr. Lewis has also made plans for a brick four-story building, 47' x 70', to be erected on Central Square for Capt. Fabens. Peabody & Stearns, architects, are erecting a four-story brick block for stores and shoe purposes on Central Square, for Arthur Fuller, Esq.; Chas. Lord, mason. C. S. Sweetser, Esq., is rebuilding his four-story brick shoe-factory on Oxford and Washington Streets and Central Avenue; Lord & Fuller, architects. Edwin Eary, jun., architect, is putting up a three-story small brick building on Union Street for Warren Toppan.

**NEW BEDFORD, MASS.**—The stock for a new mill of the Potomska Mills Corporation, New

Bedford, is all taken, and the work of making plans for the building is to be commenced immediately. The new mill will have 30,000 spindles. In the present mill there are 44,000 spindles. The new mill is to be erected directly east of the present one.

NEW HAVEN, CONN. — \$6,000 is wanted to put the old State House in proper repair for the use of the Connecticut Museum of Art and Industry.

OSAGE, KAN. — There is to be a new Roman Catholic church here.

OWATONNA, MINN. — The Minnesota State Baptist Association have located their educational buildings at this place, and commenced the erection of a chapel. The main academy building will be built next year. Dunnell & Brown, St. Paul, are the architects.

PLYMOUTH, N.H. — Work has begun on the foundation of the extension of the Normal School Building.

PORTSMOUTH, N.H. — The new opera hall will be 75' x 108' in size of area, with two main and several smaller entrances. The seating capacity is about 600, and the stage will be 29' deep by 24' high, the width between the prosceniums being over 37'. It will probably be ready for occupancy by Thanksgiving.

PORTSMOUTH, O. — The Scioto County Children's Home is nearly completed. G. W. Thompson, architect.

SALT LAKE CITY, U.T. — The Presbyterians are building a collegiate institute.

SAN FRANCISCO, CAL. — A new Chinese theatre is to be erected on Washington Street, at a cost of \$30,000.

SOMERVILLE, MASS. — The committee appointed to consider the safety of the new police building on Bow Street reported that it had been examined by W. G. Preston, an architect of Boston, who declared that extensive repairs were needed to make it safe. Plans for effecting this, and also to provide means of escape in case of fire, were submitted, the estimated cost of which will be about \$4,400. The report was laid on the table, and the architect and builder were notified to be present at the next meeting of the board.

ST. CATHERINES, ONT. — An Episcopal church is to be built from the designs of Mr. M. E. Beebe of Buffalo. It is to be wholly of stone, and will probably cost about \$23,000.

VALLEY FALLS, R.I. — The Valley Falls Company have commenced on the foundation of a new building, size 21' x 32', two and one-half stories, in the mill-yard, on the Cumberland side.

WARREN, PENN. — The Warren County courthouse, which is building from the plans of Mr. M. E. Beebe of Buffalo, N.Y., will be finished in December. It is Renaissance in style, built of brick and stone, is fire-proof, measures 72' x 112', and will cost about \$100,000.

WILMINGTON, O. — The brick-work on the new Town Hall is just approaching completion.

WINONA, MINN. — The St. Thomas Society is erecting on lots adjoining their church, a pastor's residence, to cost about \$3,000. Also a school-building 31' x 61', two stories high, at a cost of about \$5,000. The first floor will be divided into two school-rooms, and the second will be finished for a hall for society and lecture purposes. C. G. Maybury is the architect. The same architect is preparing plans for two small frame country churches for M. E. societies, to cost about \$2,000 each; and a two-story brick residence to cost about \$5,000, for A. Howell, Esq., Decorah, Io.

The C. M. & St. P. R. R. Co. is erecting a grain-elevator at this place, with storage capacity of 40,000 bushels.

INDEX OF CURRENT WORK.

Giving information concerning important buildings now unfinished.

- Boston, Mass. CHURCH.—Cost, \$75,000. Mr. John Welch, architect, Brooklyn, N.Y. FAMILY HOTEL.—S. B. Gay, owner. G. F. Meacham, architect. Woodbury & Leighton, builders. HOTEL.—Hotel Sumner. E. B. Horn, owner. Messrs. Appleton & Stephenson, architects, Boston, Mass. HOTEL.—Creighton House. C. Fehner, architect. SCHOOLHOUSE.—High and Latin School. G. A. Clough, architect. Brooklyn, N.Y. CONCERT GARDEN.—F. H. Coles, architect. Cost, \$50,000. HOSPITAL.—Church Charity Foundation of the Protestant Episcopal Diocese of Long Island \$450,000. SCHOOLHOUSE.—Corner 6th Avenue and 8th Street. Chicago, Ill. APARTMENT HOUSE.—C. P. Thomas, architect. \$16,000. CHURCH.—Jefferson Park Presbyterian. J. C. Cochran, architect. STORE.—D. W. Kendall, architect. \$32,000. Cincinnati, O. HOTEL.—St. Nicholas Hotel. A. C. Nash, architect. STORE.—Alms & Doepke, owners. Hannaford & Procter, architects. MUSIC HALL.—Hannaford & Procter, architects.

Cleveland, O. HIGH SCHOOL.—Brooks & Linau, contractors. L. T. Scofield, architect. \$73,890.

Indianapolis, Ind. CHURCH.—Second Presbyterian Church. B. V. Enos & Son, architects. CHURCH.—Heights Congregational Church. Walter Blythe, architect.

BLOCK OF STORES.—Corner Erie Street and Woodland Avenue. Griese & Welle, architects and builders. New Haven, Conn. OPERA HOUSE.—New Haven Opera House Co. Nicholas Countryman, contractor.

New York. CONVENT OF THE SISTERS OF ST. JOHN. E. G. LITTELL, architect. CHURCH.—Roman Catholic Church, West Fifteenth Street. Cost, \$150,000. STORE.—G. Thomas, architect. Cost, \$20,000.

Philadelphia. CHURCH.—Central Presbyterian. Collins & Autenreith, architects. G. Watson, builder.

General. ANDERSON, IND.—Asylum. M. E. May, architect, Indianapolis, Ind.

ANN ARBOR, MICH.—Court House. Mr. Bunting, architect, Indianapolis, Ind.

ARCADIA, WIS.—Court House and Jail. C. G. Maybury, architect, Winona, Minn. \$25,000.

BELFAST, ME.—Masonic Temple. G. M. Harding, architect, Boston, Mass.

FARIBAULT, MINN.—Deaf, Dumb, and Blind Asylum. J. Babcock & Co., contractors. \$33,430.

GALVESTON, TEX.—Cotton Exchange. Gibbs & Moser, architects.

GARDEN CITY, L.I.—Stewart Memorial Church. H. G. Harrison, architect.

HARTFORD, CONN.—Trinity College. T. H. Kimball, supervising architect.

HOBOKEN, N.J.—St. Mathew's Church. Mr. H. Englebert, architect, New York.

HOLYOKE, MASS.—Hotel and Opera House. William Whiting, owner.

JERSEY CITY.—Catholic College. L. O'Connor, architect.

NORTHAMPTON, MASS.—Church. Peabody & Stearns, architects, Boston, Mass.

OMAHA, NEB.—Union Pacific Railroad Depot. Cost, \$100,000.

PORTSMOUTH, N.H.—Opera House. Heirs of John W. Peirce.

PROVIDENCE, R.I.—City Hall. S. J. F. Thayer, architect, Boston.

ROME, GA.—Shorter Female College. J. A. Cooley, contractor.

SING SING, N.Y.—Methodist Church. Cost, \$48,000.

SPRINGFIELD, MASS.—Office of the Springfield Republican. Ferry & Gardner, architects.

WABASH, IND.—Court House. Cost, \$100,000.

WATERBURY, CONN.—Methodist Church. \$40,000.

WAUKEGAN, ILL.—Court House. Cost, \$40,000.

ZANESVILLE, O.—Hotel. H. E. Myers, architect. Black & Graham, owners. \$75,000.

CLASSIFIED ADVERTISEMENTS.

- ARCHITECTS. F. W. Weston..... ii W. W. Goodrich..... ii Charles E. Illsey..... ii Walter Dickson, Albany, N.Y..... ii McKim, Mead & Bigelow..... ii ARCHITECTURAL BOOKS. A. J. Bicknell & Co., New York..... iv ASPHALT AND OTHER (FELT) ROOFING. Warren Chem. and Mfg Co., Boston and N. Y. i BLINDS. The Hartford Patent Blind Manufacturing Co. i BRICK. (ENAMELLED.) Peerless Brick Company, Philadelphia..... ii (FIRE.) Waldo Brothers, Boston..... iv BRONZE DECORATIONS. National Fine Art Foundry, New York..... iv BUILDERS' HARDWARE. Burditt & Williams, Boston..... viii BUILDING STONE. New York Stone Contracting Company..... vi Charles P. Williams..... i Nicholl & Miller..... i J. & J. Garrett, Philadelphia..... ii CEMENT. H. Fleming, New York..... viii CHURCH FURNITURE. J. & R. Lamb, New York..... iv CLOCKS FOR PUBLIC BUILDINGS. Howard Watch and Clock Co., Boston..... i

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OFFICE OF THE SUPERVISING ARCHITECT, TREASURY DEPARTMENT, WASHINGTON, D.C., AUG. 11, 1877. Sealed proposals will be received at this office until 12 M., on the twenty-seventh day of August, 1877, for all the T irons to be riveted to the purlins of roof, terra-cotta tiling bedded in cement, slater's work laid and bedded in cement, and sheet copper required for the roof of the United States Custom House and Post-Office at Chicago, Ill., in accordance with drawings and specification.

BOILER FURNACES.

NAVY DEPARTMENT, BUREAU OF STEAM ENGINEERING, WASHINGTON, July 27, 1877. Sealed proposals, indorsed on envelopes, "Proposals for Boiler Furnaces," will be received at this Bureau until 12 o'clock, M., on the third day of September, 1877, for the construction of forty-four wrought-iron boiler furnaces, of which twenty are to be in two sections, extreme length 6 feet 2 inches by 32 inches outside diameter to be delivered in United States Navy Yard, Norfolk, Va.; and twenty-four to be in three sections, extreme length 6 feet 7 1/2 inches by 34 inches outside diameter, to be delivered in United States Navy Yard, Washington. The longitudinal seams are to be welded, and the sections forming one furnace to be outward-flanged, and each seam riveted with welded reinforce-ring between; the riveted seams to be chipped and calked. Each end of furnace to be squared, but no rivet holes punched therein. The material and workmanship to be of the very best quality; to be tested and inspected by an engineer officer, and to be delivered at the respective Navy Yards on or before the thirtieth day of November, 1877. Two classes of proposals will be considered. First, the contractor to furnish the labor and material. Second, the contractor to furnish the labor, and the Government the material. Drawings and such other information as may be required will be furnished on application to this Bureau.

BRIDGE.

CRAWFORDSVILLE, IND. Proposals will be received at Auditor's office, in Crawfordsville, Montgomery Co., Ind., until Monday, Sept. 3, 1877, for the building and erection of an iron bridge 80 feet long, over Black Creek, three miles north of Crawfordsville, on the Lafayette road. Proposal will also be received for the building of two abutments of stone for said bridge at the same time and place, according to plans and specifications on file at the Auditor's office.

BOILER IRON.

NAVY DEPARTMENT, BUREAU OF STEAM ENGINEERING, WASHINGTON, July 16, 1877. Sealed proposals, indorsed on envelopes "Proposals for Boiler Iron," will be received at this Bureau until 12 o'clock, M., Tuesday, Aug. 21, 1877, for about 12,000 pounds boiler iron, to be delivered in the Washington Navy Yard, subject to inspection and test, on or before Oct. 1, 1877. All to be of the very best quality American flame iron, to stand a test of not less than 55,000 pounds to the square inch. Maximum size of sheets 119 inches by 87 inches, and 11-16 of an inch thick. No bid will be received except direct from known reliable manufacturers of this article, and all bids must be accompanied by materials and workmanship which may be obtained upon application to this Bureau, together with the schedule and sketch of sizes and shape of sheets. The right is reserved to reject any bid not deemed advantageous to the Government. Responsible security will be required for the faithful delivery of the iron in conformity to the requirements of the schedule.

CUT STONE.

LITTLE ROCK, ARK. OFFICE OF THE SUPERVISING ARCHITECT, TREASURY DEPARTMENT, WASHINGTON, D.C., AUG. 5, 1877. Sealed proposals will be received at this office until 12 M., on the twenty-second day of August, 1877, for furnishing and delivering at the site of the United States Court-House and Post-Office at Little Rock, Ark., all the stone-work required for the reconstruction of that building, cut and finished ready for setting, in accordance with the drawings and specification. Copies of drawings and specification, form of proposal, and any additional information, may be had on application at this office, the office of the superintendent of the building at Little Rock, or the office of the superintendent of the United States Custom House and Post Office at St. Louis, where samples of the cutting may be seen.

CITY OF BOSTON.

Sealed proposals will be received at the Branch Office of the City Architect, Warren Avenue, until Tuesday, August 14, at 12 o'clock, M., for furnishing all materials and doing all the labor required to build and complete the piling and stone work for the foundation of the new English High and Latin School Building, Warren Avenue. Proposal to be addressed to the undersigned and indorsed "Proposals for the Piling and Stone Work for Foundation of English High and Latin School Building." The Committee reserve the right to reject any or all proposals received. For plans and specifications, apply at the Office, on the site of the building. For the Committee.

BRIDGE AND MASONRY.

CLEVELAND, O. Proposals will be received at the Auditor's office, of Cuyahoga County, in Cleveland, O., until 12 o'clock, M., Aug. 28, 1877, for materials and labor for constructing the necessary masonry and wood superstructure for a bridge over Stony Creek in Brooklyn township. Information as to plans, specifications, etc., can be obtained from the County Commissioners, at the office of the County Auditor. By order of the County Commissioners.

BRIDGE.

CRAWFORDSVILLE, IND. Proposals will be received at the Auditor's office in Crawfordsville, Montgomery Co., Ind., until Monday, Sept. 3, 1877, for the building and erection of an iron bridge 238 feet long over Sugar Creek, in Brown township. Proposals will also be received for the building of two abutments and one pier of stone for said bridge at the same time and place, according to plans and specifications on file at the Auditor's office.

PROPOSALS.

SCHOOLHOUSE.

The Local Directors of sub-district No. 3, Brown Township, Franklin Co., O., will receive proposals until noon, Aug. 23, 1877, for the erection of a brick school-house, 2 1/2 miles west of Hilliards. Plans and specifications can be seen at the residence of T. K. SHERWOOD, in Brown Township, O.

COMPETITIONS.

INSANE ASYLUM.

PENNSYLVANIA. Proposals for Plans for the new Hospital for the Insane, for the South-eastern District of Pennsylvania. At a meeting of the Commission appointed to select a site and erect a new Hospital for the Insane, for the South-eastern District of Pennsylvania, held Saturday, April 7, 1877, the following resolutions were adopted: Resolved, That architects generally be invited to furnish plans for a separate system of hospital buildings for the Insane, which plans shall embrace a general ground plan, and a plan in elevation for at least one or more wards, and an administrative building; also plans showing the internal arrangements of at least one ward, a system of heating and ventilation, cooking, water-supply, drainage, lighting—in fact, all the requirements for the new Hospital for the Insane, for the South-eastern District of Pennsylvania. The said plans to be in accordance with such general specifications and plans, which will be furnished to said architects by the Committee on Plans and Building after adoption by this Commission. Said plans must be accompanied by an estimate of the cost of all the hospital buildings when completed and ready for occupancy, and they must be within the amount appropriated by the Act of Assembly. Resolved, That the sum of three hundred (\$300) dollars be paid to each of five architects whose plans shall be selected by this Commission from the entire number of plans submitted to the Committee on Plans and Building (which shall be in full for all plans and specifications and services), which plans and specifications shall be the property of this Commission. Resolved, That from the number of architects competing in said work, one or more shall be selected for the position of architect or architects to erect the said hospital, provided the Commission deem it to be in the best interests of the work to make such appointment. Said appointment or appointments shall be governed by such future conditions as may be made by this Commission. Architects desiring to furnish competitive plans for this work can obtain the printed specifications from any member of the Commission, or from

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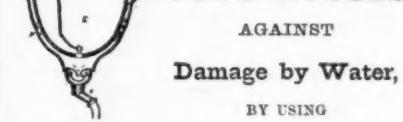
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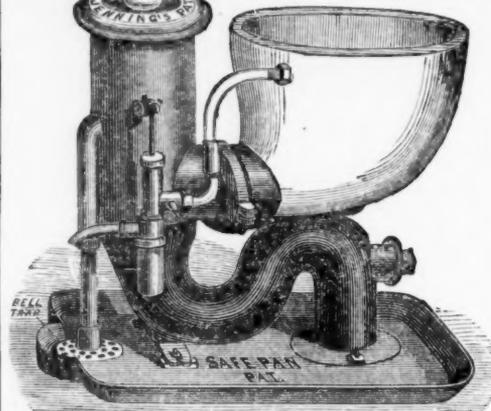
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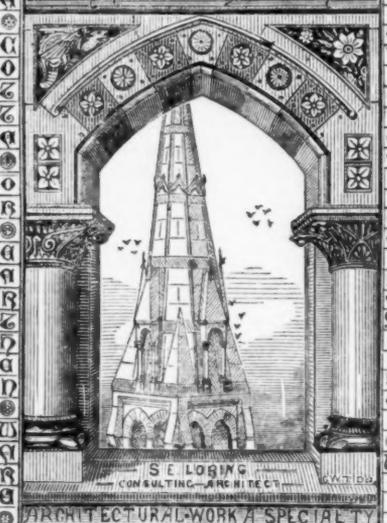
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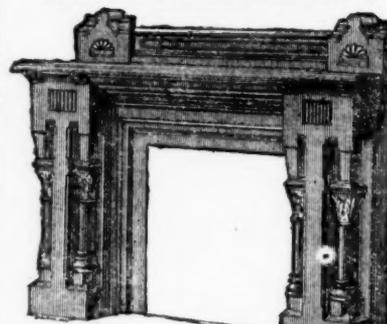
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**BUILDING INTELLIGENCE.**

[Reported for the American Architect and Building News.]

**A RECORD.**

Showing how buildings recently burned are to be replaced.

**CEDAR RAPIDS, Io.**—The schoolhouse which was burnt July 18 is to be immediately replaced by a larger and more commodious one, which is to be of brick, with stone basement and cut stone finish, wood cornice, and tin roof. Basement 8' high, to be used for fuel, furnaces, play-rooms, and water-closets. First story 14', second 12' in the clear; four school-rooms on each floor 25' x 30', with capacious wardrobes for each room. Halls 15' wide, stairs 6', floors deafened; bell tower 14' square and 90' high. To be put up in a plain and substantial manner. Contract price for finishing all but two rooms and portion of hall in second story, \$10,821. Messrs. Smith & Mill, builders. Kent & Caukin, architects.

**PHILADELPHIA, PENN.**—The building which was occupied by Swift & Courtney as a match factory, and which was burned July 19, is to be replaced by same kind building, measuring 80' feet, and six stories high. It is to be built of brick, from drawings prepared by Mr. Thomas C. Nesbitt, builder. It is to be used by Swift & Courtney as a match-factory and store.

**SUMMARY OF THE WEEK.**

Reports from the Principal Cities and Towns of the Country.

**Boston.**

**BRICK BUILDINGS, ETC.**—The following permits have been issued:—

Woodbury & Leighton, two dwellings on Commonwealth Avenue, 28' x 55' and 28' x 68' respectively.

Ira A. Medbery, dwelling, on Warren Street, 19' 6" x 42'.

Robert Hogg, dwelling, on Elm Street, near Newbern, 22' x 36'.

George D. Cox, family hotel, on Dale Street, 94' x 40'.

George W. Pope, dwelling, on Chestnut Street, 24' x 38'.

Thomas J. Whidden, 2 stores, on Hanover Street, 17' 9" x 73', and 18' x 73', respectively.

**WOODEN AND FRAME BUILDINGS.**—Permits have been granted for factories, shops, and dwellings, as follows: to A. D. Williams, Johann Wilhelm, A. H. Allen, Clark & Smith, F. Riedell.

REPAIRS continue to be quite active, many permits being granted daily.

**BIDS FOR THE FOUNDATIONS OF THE NEW ENGLISH HIGH AND LATIN SCHOOLHOUSE** have been considered by the committee, the sums varying from \$27,991 to \$38,857. The contract was awarded to Mr. Samuel J. Tuttle, who put in the lowest figure, but who, on maturer reflection, has asked leave to withdraw. It is reported one other bidder has also withdrawn.

**THE ADAMS BUILDING.**—The new Adams building in Court Street, of which Messrs. Cummings & Sears are the architects, and Messrs. Whidden & Fitch, builders, is progressing quite rapidly, and is intended to be ready for occupancy about the 1st of January.

**BUILDING ASSOCIATION.**—Another Building Association has been organized in this city, called "The Homestead Saving Fund and Loan Association." The following is the list of officers: President, Joseph S. Ropes; Vice-President, Edwin R. Young; Secretary, Daniel Eldredge; Treasurer, Thomas Swadkins, jun.; Directors, H. Thomas Elder, William A. Johnson, David B. Fletcher, Samuel K. Head, C. Willard Carter, George H. Fuller, Charles C. Adams, James R. Fitzgerald, Abel Head, George L. Pierce, Alfred J. Mercer, Eben A. Jacobs, John H. Putnam, Robert J. Bath, Dan G. Drew, Nelson Day; auditors, Charles W. Calkins, Patrick M. Denon, Joseph A. Elms. The Association will begin business on the second Wednesday in September.

**Chicago.**

**STORE.**—J. P. Atwater is building from the design of J. M. Van Osdel, a five-story store, 40' x 155', on Wabash Avenue. Cost \$30,000.

**Cincinnati.**

**MUSIC HALL.**—The Trustees have received bids for the roof truss, of iron. They had invited bids according to the plans of Hannaford & Procter, and also according to the bidders' plans:—

Leighton Bridge and Iron Works, Rochester, N. Y. (Hannaford & Procter's plan).....	\$5,600
Same (by their own plan).....	5,500
Cincinnati Bridge Company (Hannaford & Procter's plan).....	8,385
George Stacey & Co. (Hannaford & Procter's plan).....	8,585
Same (by their own plan).....	9,238
Chromo Steel Co. (Hannaford & Procter's plan).....	7,381
Keystone Bridge Co., Pittsburg, Penn. (by their own plan).....	8,290

The time varied from forty-two to sixty days.

All bids were referred to G. Bouscaren for report on comparative merits of the plans.

**Des Moines, Io.**

**STATE HOUSE.**—The new State Capitol building is progressing finely this season. The stone cornice is now being set, and Superintendent Finhine promises to have a large portion of the iron roof trusses in position, and the covering of terra-cotta and slate on, before the season closes. Messrs. Bell & Hackney, students of the late architect, A. H. Picquenard, are his successors in charge of the work.

**MUSIC HALL.**—Architect William Foster is building a music hall and stores, corner Walnut and Seventh Streets, for himself. Size 44' x 80'; cost \$8,000.

Also a store building, in modern decorated style, for Perkins & Grey, on Fourth Street. Size 24' x 100'. Cost \$6,000.

**STORES.**—Block of stores, corner Seventh and Walnut Streets. J. S. Blake, architect. Size 60' x 100'. Cost \$16,000.

**SCHOOLHOUSE** for fifth ward. J. S. Blake, architect. Cost \$3,000.

**CITY HALL.**—The architects of the city have been invited to furnish competitive designs for a new City Hall, to cost \$40,000. Also for a new engine and hose house, to cost \$6,000.

**New York.**

**BUILDINGS PROJECTED** for week ending Aug. 20, fourteen in number; consisting of stores, flats, dwellings, etc. Total value, \$85,750.

Owners.	Architects.	Builders.
G. B. Lawton.....	G. B. Lawton.....	A. J. Felty.....
M. Gruber.....	Julius Bockell.....	J. Sharfman & Son.....
M. McMahon.....	Julius Bockell.....	D. Bohan.....
F. Schuck.....	Julius Bockell.....	J. H. Scribner.....
Jenkins & Adams.....	J. H. Scribner.....	Charles Lehman.....
M. A. Kauenbley.....	.....	.....
Municipal Gas Light Co.....	Thomas F. Rowland.....	J. H. Whittier.....
Chamberlain & Co.....	R. L. Darragh.....	.....
M. Schultze.....	J. T. Wilson.....	.....
Mary E. Tooker.....	Robert Mook.....	.....
W. E. Boman.....	Emery & Forsyth.....	.....

**BUILDING IN JULY.**—Synopsis of the report of the Superintendent of Buildings, for July, 1877, and for corresponding period 1876:—

Buildings.	1876.	1877.
Stores.....	3	6
Stores and dwellings.....	14	5
Dwellings.....	13	11
Factories.....	6	2
Offices.....	6	2
Stables.....	12	1
Tenements.....	4	9
French Flats.....	7	3
Miscellaneous.....	2	6
<b>Totals.....</b>	<b>83</b>	<b>47</b>
<b>Totals cost.....</b>	<b>\$707,000</b>	<b>\$303,000</b>
Brick fronts.....	40	24
Brick and stone fronts.....	17	15
Iron and stone fronts.....	..	4

**St. Louis.**

Fifty-one permits have been issued for the week ending Aug. 17. Sixteen of these are for frame erections of small value. The rest are for buildings of brick and stone. Those worth \$2,500 and over are as follows:—

Owners.	Building.	Stories.	Rooms.	Cost.
C. Grenzebach.....	Store & dw.	2	19	\$3,000
H. D. Loughlin.....	Dwelling.	2	10	5,000
G. Wrook.....	"	2	6	3,000
Mrs. E. Hoeger.....	Stores.	2	6	5,000
Protestant Orphan As.	Asylum.	2	16	3,000
F. Halstrom.....	Store & dw.	3	18	4,500
F. McGrath.....	Dwelling.	3	12	5,000
F. McGrath.....	"	3	12	5,000
P. McGrath.....	"	3	12	5,000
* Second Baptist Ch.	Church.	..	..	4,400
F. Sitterman.....	Dwelling.	2	9	3,150
William Droste.....	"	2	12	3,000
* Walnut-St. Pres. Ch.	Church.	..	..	15,000

\* This is for the foundations only.

**General Notes.**

**AKRON, O.**—The First Universalist Church is about to be built. It is to be of brick and stone, 115' long by 66' wide. It will seat 950 persons. It contains also a lecture room with 300 sittings, a Sunday-school room on the radiating plan, and other apartments. Cost about \$35,000. Snider & Wilhelm are the contractors for the basement and the cut stone-work.

Mr. J. Whitelaw is building a brick and stone store, with 20' frontage and 75' depth, three stories in height. Barnett & Harris are the contractors for mason-work, and Mr. McEllihny for carpenter-work.

Mr. Alex. Brewster is building a residence; it is about 55' wide by 60' long. It is of pressed brick and stone. It is designed in the Gothic style, and is ornamented with carving, granite columns, and inlaid tile.

Brick residence for Mr. A. Allen, about 50' front by 65' deep, of pressed brick and stone. Cost about \$14,000.

Brick residence for Mr. H. C. Quigley, about 40' x 70'. Cost about \$8,000. Schroeder & Lutz, masons; W. B. Doyle & Co., carpenters.

Mr. F. O. Weary of Akron is the architect of all the above-mentioned buildings.

**ANAMOSA, Io.**—J. C. Deitz, repairs on residence, wood. Cost \$2,000. Kent & Caukin, architects, Cedar Rapids.

**BROOKLYN, N.Y.**—The total number of buildings erected in Brooklyn from May, 1876, to May, 1877, was 1,270, with an assessed valuation of \$3,349,200.

**CEDAR FALLS, Io.**—Mr. J. Q. A. Crosby is building a wooden house from the design of Mr. B. J. Bartlett, architect, of Des Moines, Io. Cost \$12,000.

**CEDAR RAPIDS, Io.**—C. W. Eaton, residence, buff brick. Cost \$5,200. A. H. Connor, builder. E. S. Caukin, architect.

James Morton, residence, wood. Cost \$3,000. A. H. Connor, builder. Kent & Caukin, architects.

J. W. Henderson, repairs on residence, brick. Cost \$5,500. L. Wallace, builder. E. S. Caukin, architect.

C. Deacon, residence, wood veneered with red brick. Cost \$3,500. Joseph McClellan, builder.

F. C. Hoemel, residence, wood veneered with red brick. Cost \$3,100. L. Wallace, builder.

S. C. Bever, two store-rooms, 25' x 70', three stories, red brick. \$10,000. L. Wallace, builder. W. W. Boyington, Chicago, architect.

I. M. Preston, two store-rooms, 25' x 80', buff brick. \$10,000. L. Wallace, builder.

G. W. Lyon and P. Mullally, each one store-room, 25' x 80', buff brick. Cost \$11,000. P. Mullally, architect and builder. These are the two stores that fell. The three last mentioned are three stories high.

O. B. Blachley, two store-rooms, 25' x 60', two stories, buff brick. Cost \$7,000. L. Wallace, builder.

George Green, two store-fronts, buff brick, 25' x 80'. Cost \$10,000. Second and third floors to be used as an addition to the North-western Hotel, recently completed. A. Bradley, builder and architect.

J. T. Waterhouse, block of seven stores, 80' x 140', buff brick, three stories high; second and third stories to be used as a hotel. Cost \$45,000. P. Mullally, architect and builder.

**CHATTAHOOGA, TENN.**—Mr. A. C. Bruce, architect, of Knoxville, is to build the new court-house here.

**DANVILLE, ILL.**—The court-house is finished.

**DELI, Io.**—County jail, stone, six cells. Cost \$5,000.

**GRAND TOWER, ILL.**—The commissioners for the Southern Illinois Penitentiary have selected this town for the site of the new State Penitentiary.

**GRINNELL, Io.**—Mr. B. J. Bartlett of Des Moines, Io., is the architect of a wooden school-house, costing \$4,000; of a wooden house for R. M. Haines, costing \$5,000; of a block of stores for J. Stewart, costing \$7,000; and of a store for G. M. Hatch, costing \$6,000.

Mr. L. B. Volk, architect, of New York, has furnished the plans for the new Congregational church. It will be built of limestone, at a cost of \$30,000.

**HAMPTON, Io.**—Mr. B. J. Bartlett, architect, Des Moines, Io., is building a brick house for G. Breed, Esq. Cost \$15,000.

**KANKAKEE, ILL.**—The Eastern Illinois Insane Asylum is to be built here.

**LA PORTE, IND.**—The Baptist society have begun to build a church, of which the estimated cost is \$15,000.

**MANCHESTER, Io.**—Ford Brothers, two-story store, front 25' x 100', red pressed brick, cut stone trimmings, galvanized iron cornice. Cost \$6,000. Second floor to be used as an Odd Fellows' Hall. Kent & Caukin, architects, Cedar Rapids.

**MARION, Io.**—Congregational church, brick and stone. Cost \$10,000.

Addition to county fire-proof vaults. Cost \$6,000. Cass Chapman, Chicago, architect.

**MONTICELLO, Io.**—Public school building, brick with stone trimmings. Cost \$15,000.

**MONTCLAIR, N. J.**—The factory at Montclair, N. J., the property of Crump & Everdell of New York, which was destroyed by fire on the fourth of July, with all its valuable presses and other contents, is now being rebuilt, and considerably enlarged. The arrangements for heating and ventilation will be as perfect as possible. Architect, Thomas Stent, Astor House, New York.

**NEWARK, N. J.**—A very noticeable improvement is the new entrance at Mount Pleasant Cemetery, now in a forward state of progress. Architect, Thomas Stent, Astor House, New York.

**NEW HAVEN, CONN.**—We incorrectly stated the name of the architect of the new opera-house; it should have read, Mr. Hatch of New York.

**OTTAWA, KAN.**—J. M. Van Osdel, architect, of Chicago, is building for Judge Sears a house which is to cost \$6,000.

**PITTSBURG, PENN.**—A force of thirty brick-layers is employed at the new Union depot, and

40,000 bricks are laid daily. The structure will not be a temporary affair.

PRINCETON, N.J.—Dickinson Hall is being enlarged by the addition of another story and a French roof. A large addition is to be built to Scientific Hall. The excavation therefor has been dug, and the foundation walls will soon be begun. It is not likely that the addition will be finished this year. Reunion Hall, East and West Colleges are also undergoing repairs. Wither- spoon Hall, the gymnasium, the library, chapel, and the Philadelphia Society building are receiving new paint.

SOLOM, IO.—Schoolhouse, wood. Cost \$3,163. Kent & Caukin, architects, Cedar Rapids.

SPRINGFIELD, ILL.—The workmen expect to finish the outside of the dome of the Capitol by the middle of next month.

TAMA COUNTY, IO.—Poor-house, wood. Cost \$4,104. Tama City Mfg. Co., builders. Kent & Caukin, architects, Cedar Rapids.

URBANA, O.—Queen & Gurnea have the contract for building the power house for the Urbana water-works.

WATERLOO, IO.—M. E. church, of brick with terra-cotta finish. Cost \$15,000. Mr. B. J. Bartlett, architect, Des Moines, Io.

WAUKEGAN, MICH.—H. C. Koch & Co., architects, of Milwaukee, are to build the new court-house here. It is to be of brick and stone, and will cost about \$40,000.

INDEX OF CURRENT WORK.

Giving information concerning important buildings now unfinished.

Boston, Mass.

- CHURCH.—Cost, \$75,000. Mr. John Welch, architect, Brooklyn, N.Y.
HOTEL.—Hotel Sumner. E. B. Horn, owner. Messrs. Appleton & Stephenson, architects, Boston, Mass.
HOTEL.—Crestion House. C. Fehmer, architect.
POST OFFICE.—Jas. G. Hill, Supervising Architect, Treasury Dept.
SCHOOLHOUSE.—High and Latin School. G. A. Clough, architect.

Brooklyn, N.Y.

- CONCERT GARDEN.—F. H. Coles, architect. Cost, \$50,000.
HOSPITAL.—Church Charity Foundation of the Protestant Episcopal Diocese of Long Island. N. S. Derby, architect, N.Y.
SCHOOLHOUSE.—Corner 6th Avenue and 8th Street.

Chicago, Ill.

- APARTMENT HOUSE.—C. P. Thomas, architect. \$16,000.
CHURCH.—Jefferson Park Presbyterian. J. C. Cochran, architect.
STORE.—D. W. Kendall, architect. \$32,000.

Cincinnati, O.

- STORE.—Alms & Doepke, owners. Hannaford & Procter, architects.
MUSIC HALL.—Hannaford & Procter, architects.

Cleveland, O.

- CONVENT.—Ursuline Academy. L. A. Heard, architect. \$120,000.
HIGH SCHOOL.—Brooks & Linus, contractors. L. T. Scofield, architect. \$73,800.

Indianapolis, Ind.

- CHURCH.—Second Presbyterian Church. B. V. Enos & Son, architects.
CHURCH.—Heights Congregational Church. Walter Blythe, architect.
BLOCK OF STORES.—Corner Erie Street and Woodland Avenue. Griese & Weile, architects and builders.

New Haven, Conn.

- OPERA HOUSE.—New Haven Opera House Co. Nicholas Countryman, contractor.

New York.

- ARMORY OF THE SEVENTH REGIMENT.
CONVENT OF THE SISTERS OF ST. JOHN. E. G. LITTELL, architect.
CHURCH.—Roman Catholic Church, West Fifteenth Street. Cost, \$150,000.
STORE.—G. Thomas, architect. Cost, \$20,000.

Philadelphia.

- CHURCH.—Central Presbyterian, Collins & Autenreith, architects. G. Watson, builder.
HOSPITAL.—Presbyterian Hospital. Wilson Bros., architects.

General.

- ANDERSON, IND.—Asylum. M. E. May, architect, Indianapolis, Ind.
ANN ARBOR, MICH.—Court House. Mr. Bunting, architect, Indianapolis, Ind.
ABEADIA, WIS.—Court House and Jail. C. G. Maybury, architect, Winona, Minn. \$25,000.
BELFAST, ME.—Masonic Temple. G. M. Harding, architect, Boston, Mass.
BUFFALO, N. Y.—St. Peter's Evangelical Church. M. E. Beebe, Architect.
DES MOINES, IO.—State House.
FABRIHAULT, MINN.—Deaf, Dumb, and Blind Asylum. J. Babcock & Co., contractors. \$53,430.
GALVESTON, TEX.—Cotton Exchange. Gibbs & Moser, architects.
GARDEN CITY, LI.—Stewart Memorial Church. H. G. Harrison, architect.
HARTFORD, CONN.—Trinity College. T. H. Kimball, supervising architect.
HOBOKEN, N. J.—St. Mathew's Church. Mr. H. Englebert, architect, New York.

HOLYOKE, MASS.—Hotel and Opera House. William Whiting, owner.

JERSEY CITY.—Catholic College. L. O'Connor, architect.

JOLIET, ILL.—St. Mary's (R. C.) Church. Mr. Kelly, architect, Brooklyn.

NORTHAMPTON, MASS.—Church. Peabody & Stearns, architects, Boston, Mass.

OMAHA, NEB.—Union Pacific Railroad Depot. Cost, \$100,000.

PORTSMOUTH, N.H.—Opera House. Heirs of John W. Peires.

ROME, GA.—Shorter Female College. J. A. Cooley, contractor.

SING SING, N.Y.—Methodist Church. Cost, \$48,000.

SPRINGFIELD, ILL.—State House. J. C. Cochran, architect.

WABASH, IND.—Court House. B. V. Enos & Son, architects. Cost, \$100,000.

WATERBURY, CONN.—Methodist Church. \$40,000.

WAUKEGAN, ILL.—Court House. Cost, \$40,000.

ZANESVILLE, O.—Hotel. H. E. Myers, architect. Black & Graham, owners. \$75,000.

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Only pen-and-ink drawings, without brush-work of any kind, can be reproduced.

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The most satisfactory results are obtained from drawings upon Bristol board, or hot-pressed Whatman. Tinted paper should not be used.

Tracing cloth upon the dull side, bank-note paper, or tracing paper, provided it is not of a yellowish tinge, may be used in cases of absolute necessity.

The ink should be black and of uniform strength. The lines should be firm, sharp, not too coarse, and not unintentionally broken.

Shading and hatching lines must not be too close and crowded, especially where a large surface is to be shaded.

It is very desirable that plans should accompany the drawings.

Drawings of details both constructional and ornamental are also desirable.

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PUBLISHED WEEKLY BY

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PROPOSALS.

NEW YORK.

**PAINTING.**—Sealed proposals will be received until 5 o'clock, p. m., on Wednesday, Aug. 29, 1877, for repairs and painting the exterior of the church, corner of Madison avenue and 45th Street. Specifications can be copied at the church from 8 to 11 o'clock, a. m. Entrance on 45th Street. The right is reserved to reject any or all bids. By order of the Committee.  
F. T. HOPKINS, Chairman.

BROWN, O.

**SCHOOL HOUSE.**—The Building Committee of the Sub-District No. 5, Brown Township, Franklin County, Ohio, will receive proposals until Saturday, Sept. 1, 1877, for the erection of a brick school house, two miles south of National road, Amity Free Pike. The bids must be in conformity to law. The committee reserve the right to reject any or all bids. Plans and specifications can be seen at the residence of Edward Evans, JOHN MCCOY, JOHN MAJOR, EDWARD EVANS, Building Committee. 87

IRON-WORK, TILES, SLATES, AND COPPER.

OFFICE OF THE SUPERVISING ARCHITECT, TREASURY DEPARTMENT.

WASHINGTON, D. C., Aug. 11, 1877.

Sealed proposals will be received at this office until 12, m., on the twenty-seventh day of August, 1877, for all the T irons to be riveted to the purlins of roof, terra-cotta tiling bedded in cement, slater's work laid and bedded in cement, and sheet copper required for the roof of the United States Custom House and Post-Office at Chicago, Ill., in accordance with drawings and specification.

Copies of specification of each of the branches of the work, with drawings and any additional information, may be had on application at this office, or the office of the Superintendent.  
JAS. G. HILL, Supervising Architect.

COURT HOUSE.

CHATTANOOGA, TENN.

Sealed Proposals will be received for the construction of a new Court House building for Hamilton Co., Tenn., until 12 o'clock, m., Sept. 29, 1877, and must be for the entire work. All proposals must be indorsed, "Bids for New Court House," and filed with W. D. VANDYKE. Blank proposals will be furnished bidders on application. Plans, specifications, and drawings can be seen at the office of A. C. Bruce, architect, Knoxville, Tenn., until 1 the 27th inst., and after that date at the Discount and Deposit Bank, Chattanooga, Tenn. The Commissioners reserve the right to reject any or all bids. The written assent of at least two responsible persons signifying their willingness to become the sureties of the bidder in the contract, to be executed in the event his bid is accepted, must accompany each proposal. W. D. VANDYKE, Chairman; W. P. RATHBURN, TOM CRUTCHFIELD, D. C. TREWHITT, J. W. CLIFT, Commissioners for Hamilton County, Tenn.  
Aug. 15, 1877. 88

BOILER FURNACES.

NAVY DEPARTMENT.

BUREAU OF STEAM ENGINEERING, WASHINGTON, D. C., July 27, 1877.

Sealed proposals, indorsed on envelopes, "Proposals for Boiler Furnaces," will be received at this Bureau until 12 o'clock, m., on the third day of September, 1877, for the construction of forty-four wrought-iron boiler furnaces, of which twenty are to be in two sections, extreme length 6 feet 2 inches by 24 inches outside diameter to be delivered in United States Navy Yard, Norfolk, Va.; and twenty-four to be in three sections, extreme length 6 feet 7 inches by 34 inches outside diameter, to be delivered in United States Navy Yard, Washington.

The longitudinal seams are to be welded, and the sections forming one furnace to be outward-flanged, and each seam riveted with welded reinforce-ring between; the riveted seams to be chipped and caulked. Each end of furnace to be squared, but no rivet holes punched therein. The material and workmanship to be of the very best quality; to be tested and inspected by an engineer officer, and to be delivered at the respective Navy Yards on or before the thirtieth day of November, 1877.

Two classes of proposals will be considered. First, the contractor to furnish the labor and material. Second, the contractor to furnish the labor, and the Government the material. Drawings and such other information as may be required will be furnished on application to this Bureau.  
WM. H. SPOOK, Chief of Bureau.

BRIDGE.

CRAWFORDSVILLE, IND.

Proposals will be received at Auditor's office, in Crawfordsville, Montgomery Co., Ind., until Monday, Sept. 3, 1877, for the building and erection of an iron bridge 66 feet long, over Black Creek, three miles north of Crawfordsville, on the Lafayette road. Proposals will also be received for the building of two abutments of stone for said bridge at the same time and place, according to plans and specifications on file at the Auditor's office.  
JAMES WATSON, Auditor.

CUT STONE.

LITTLE ROCK, ARK.

OFFICE OF THE SUPERVISING ARCHITECT, TREASURY DEPARTMENT, WASHINGTON, D. C., Aug. 6, 1877.

Sealed proposals will be received at this office until 12, m., on the twenty-second day of August, 1877, for furnishing and delivering at the site of the United States Court-House and Post-Office at Little Rock, Ark., all the stone-work required for the superstructure of that building, cut and finished ready for setting, in accordance with the drawings and specification.

Copies of drawings and specification, form of proposal, and any additional information, may be had on application at this office, the office of the superintendent of the building at Little Rock, or the office of the superintendent of the United States Custom House and Post Office at St. Louis, where samples of the cutting may be seen.  
JAS. G. HILL, Supervising Architect.

BRIDGE AND MASONRY.

CLEVELAND, O.

Proposals will be received at the Auditor's office, of Cuyahoga County, in Cleveland, O., until 12 o'clock, m., Aug. 28, 1877, for materials and labor for constructing the necessary masonry and wood superstructure for a bridge over Stony Creek in Brooklyn township. Information as to plans, specifications, etc., can be obtained from the County Commissioners, at the office of the County Auditor. By order of the County Commissioners.  
L. D. BENEDICT, County Auditor.

BRIDGE.

CRAWFORDSVILLE, IND.

Proposals will be received at the Auditor's office in Crawfordsville, Montgomery Co., Ind., until Monday, Sept. 3, 1877, for the building and erection of an iron bridge 238 feet long over Sugar Creek, in Brown township. Proposals will also be received for the building of two abutments and one pier of stone for said bridge at the same time and place, according to plans and specifications on file at the Auditor's office.  
JAMES H. WATSON, Auditor.

PROPOSALS.

SCHOOLHOUSE.

BROWN, O.

The Local Directors of sub-district No. 3, Brown Township, Franklin Co., O., will receive proposals until noon, Aug. 29, 1877, for the erection of a brick school-house, 2 1/2 miles west of Hilliards. Plans and specifications can be seen at the residence of T. K. SHERWOOD, in Brown Township, O.

COMPETITIONS.

INSANE ASYLUM.

PENNSYLVANIA.

Proposals for Plans for the new Hospital for the Insane, for the South-eastern District of Pennsylvania.

At a meeting of the Commission appointed to select a site and erect a new Hospital for the Insane, for the South-eastern District of Pennsylvania, held Saturday, April 7, 1877, the following resolutions were adopted:—  
**Resolved**, That architects generally be invited to furnish plans for a separate system of hospital buildings for the insane, which plans shall embrace a general ground plan, and a plan in elevation for at least one or more wards, and an administrative building; also plans showing the internal arrangements of at least one ward, a system of heating and ventilation, cooking, water-supply, drainage, lighting—in fact, all the requirements for the new Hospital for the Insane, for the South-eastern District of Pennsylvania. The said plans to be in accordance with such general specifications and plans, which will be furnished to said architects by the Commission on Plans and Building after adoption by this Commission. Said plans must be accompanied by an estimate of the cost of all the hospital buildings when completed and ready for occupancy, and they must be within the amount appropriated by the Act of Assembly.

**Resolved**, That the sum of three hundred (\$300) dollars be paid to each of five architects whose plans shall be selected by this Commission from the entire number of plans submitted to the Commission on Plans and Building (which shall be in full for all plans and specifications and services), which plans and specifications shall be the property of this Commission.

**Resolved**, That from the number of architects competing in said work, one or more shall be selected for the position of architect or architects to erect the said hospital, provided the Commission deem it to be in the best interests of the work to make such appointment. Said appointment or appointments shall be governed by such future conditions as may be made by this Commission.

Architects desiring to furnish competitive plans for this work can obtain the printed specifications from any member of the Commission, or from

THOMAS G. MORTON, M.D., Chairman

Committee on Plans and Building.  
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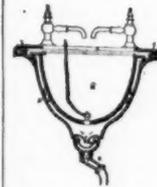
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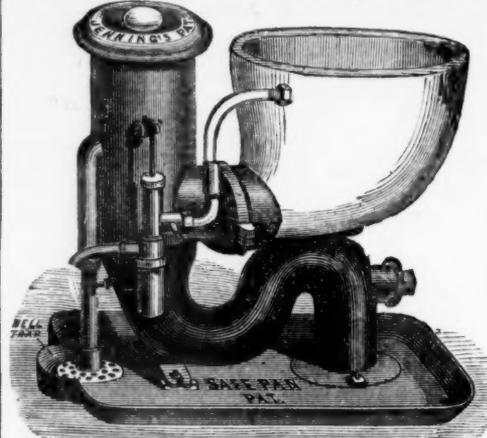
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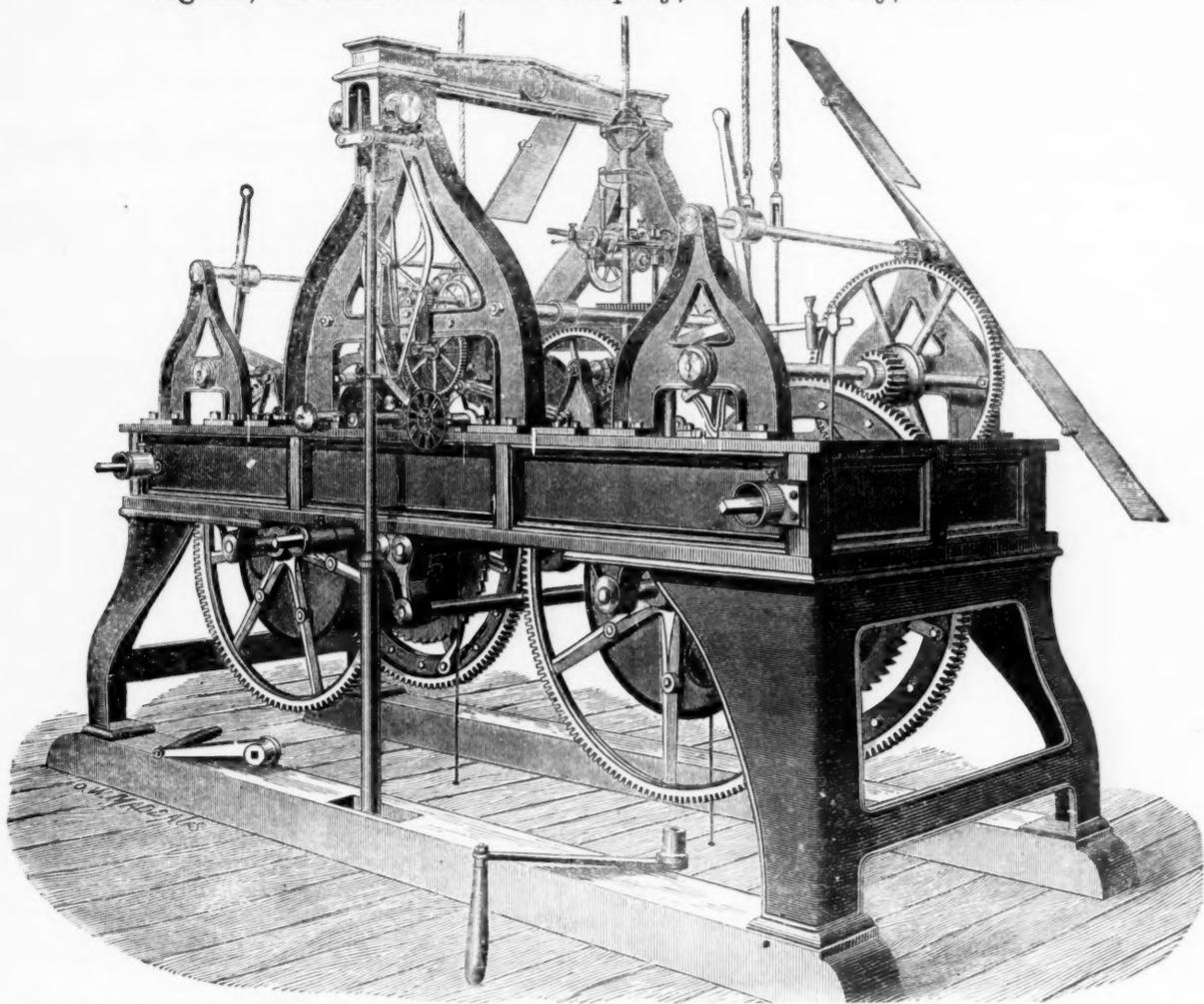


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The above cut represents the clock exhibited by the Seth Thomas Clock Company, at the Philadelphia Exhibition; and is very nearly a duplicate of the one in Independence Hall, referred to below. At the late Centennial Exhibition, Philadelphia, the Seth Thomas Clock Company of Thomaston, Conn., were given the Award for "Tower Clocks and Clocks of Commerce."

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We take the following from the Philadelphia Ledger, June 29, 1877:—

**Independence Hall Clock and Bell.—Accuracy of the Clock. Resolution of the Councils.**

The new clock in the tower of Independence Hall was built by the Seth Thomas Clock Company of Thomaston, Conn., and runs eight days with one winding. The frame stands 8' high, is of cast-iron, and, with running gear complete, weighs 6,000 pounds. A tablet fastened on its middle panel bears this inscription: "Presented to the City of Philadelphia, July the 4th, 1876, for the steeple of Independence Hall, by a Citizen." The main bed, on which the strike posts are placed, is 9 1/2' long by 3 1/2' wide, and 10" deep, and weighs 1,300 pounds, standing 3 1/2' from the floor. The strike barrels are 23" in diameter by 20" long. The two driving-wheels are bronze, 47", and hold on their sides 18 steel lifting-cams, which act on a lever to raise the hammer. They have 162 teeth connecting them, by intermediate shafts, to the rack and snail, which govern the striking of the hours, and also with a fan which regulates the strike. This is placed in the middle of the frame. The fan-arms measure about 3' from centre of shaft, and hold a vane made of thin brass 9' x 18". The main wheel is 2'; and this, with the heavy parts of the time train, rest on another bed 4 1/2' x 3 1/2', and 7" deep, raised above the main bed by stands 9" high. An arched frame, spanned by a strong girt, for the support of the pendulum, also rests upon this bed; this, with a girt, crosses the

frame, and carries the lighter parts of the train with the dial connection. The dials are four, 9' in diameter, and having gilt numerals. The shafts are all of steel, and run upon bell-metal boxes. A delicate trip arrangement makes the strike of the hours exact in time. A Dennison double three-legged gravity escapement is placed in full view on the front of the arched or upright frame, and having a 12-inch escape-wheel with 24-inch pulleys. These, as all the wheels of the time and strike trains, are of bronze. The pendulum is a steel compensation-rod carrying a cast-iron ball of 500 pounds, the rod and ball weighing together 700 pounds.

The clock thus described is a remarkably accurate timekeeper, as the following letter from Mr. Harpur shows, he being entirely familiar with the performance of the clock, and also with its construction, about which he was in consultation with the builders.

HENRY SEYBERT, Esq. Dear Sir,—In compliance with your request, I herewith send you a statement of the performance of the new clock in the State House. The clock, after being regulated, was set on the first day of December, 1876. During that month its whole amount of error was one second gain. For the month of January, 1877, its whole amount of error was one second gain. This gives us a rate of three one-hundredths of a second per day. During the two months there were some heavy storms. Careful observation failed to show any error from that cause. The placing of the bell interrupted the working; but the rate, to the present month, was thereafter uniformly maintained.

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Respectfully,

WM. E. HARPUR, 407 Chestnut Street,  
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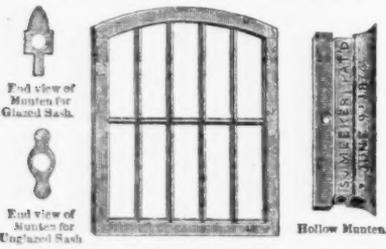
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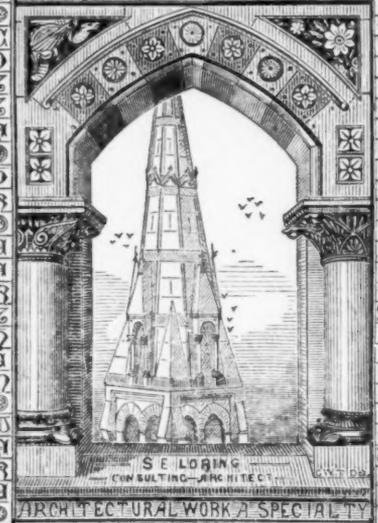
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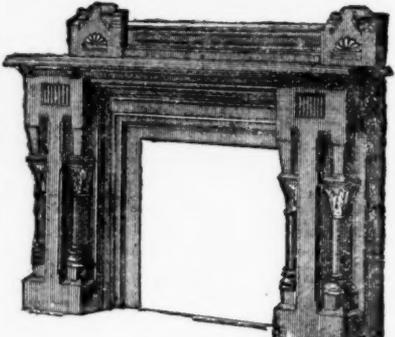
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**BUILDING INTELLIGENCE.**

[Reported for the American Architect and Building News.]

**A RECORD.**

Showing how buildings recently burned are to be replaced.

**BOBCAYGEON, ONT.**—The building occupied by J. H. Thompson, which was burned June 17, is to be replaced by a brick building measuring 50' x 60', which is to be used as a store. William Cosh is the builder.

**LONDON, ONT.**—The Oil Refining Company propose re-erecting a 1,500 barrel agitator, in place of the one lately destroyed by fire.

**PITTSBURGH, PENN.**—The new building of the Pittsburgh Steel Casting Company is being built with all possible despatch, and is well on towards completion. It will be a substantial brick structure, the one destroyed by fire having been an iron-clad. In the mean time the machinery and employees of the company are turning out work under temporary sheds erected on the space enclosed by the walls of the new building.

**MONROE, WIS.**—The flouring and planing mill of A. L. Rood, which was burned June 29, is to be replaced by a main building of wood, 22' x 32', with a wing 20' square, and an engine-room 18' x 22'. Mr. Rood is his own architect; C. Cushman, builder.

**SUMMARY OF THE WEEK.**

Reports from the Principal Cities and Towns of the Country.

**Boston.**

**BRICK BUILDINGS, ETC.**—Only two permits have been granted for brick buildings, and these of an ordinary character. Business in this line is very dull at City Hall.

**WOODEN BUILDINGS.**—Permits for wooden buildings have been issued to George Mills, D. A. Berry, and Luke Mitchell. Alonzo S. Wallace has taken out permits for several city buildings on Gallop's Island, which include ice-house, carpenter and blacksmith shops, hospital, poultry-house, and laundry.

**REPAIRS.**—These continue quite brisk. From Jan. 1 to Aug. 31 permits have been issued for repairing about 1,500 buildings.

**FIRE-ESCAPES.**—During the past month the Department of the Inspection of Buildings has examined over two thousand buildings, with reference to fire-escapes. Several assistant inspectors are employed upon this work. The city is divided into districts, which, in turn, are subdivided into sections and blocks, the assistant inspectors being assigned to certain ones. When buildings are found which afford insufficient facilities for escape in case of fire, a written report is made; and in these instances, doubtless, action will be taken to render them more secure. Numbers of such insecure buildings have already been reported.

**HOTELS.**—Mr. William Sheafe is building, from the designs of Mr. Louis Weissbein of this city, at the corner of Washington and Williams Streets, a hotel, which is to cost about \$80,000. It will be known as "Hotel Comfort."

**Cincinnati.**

**BUILDING PERMITS.**—The following building permits were issued by the Board of Public Works for the week ending Aug. 24, 1877:— George Warrington, addition to a two-story brick, No. 208 Everett Street. Cost \$300.

Frederick Froehlich, to repair a two-story brick, No. 45 Kilgour Street. Cost \$800.

James Murphy, to repair a three-story brick, south side of Eighth Street, above Lock. Cost \$400.

Henry Frenkamp, addition to a two-story brick, No. 93 Clay Street. Cost 1,800.

Joseph Vanhargan, a three-story brick, No. 103 Pendleton Street. Cost \$2,700.

W. A. Megrue, to repair a four-story brick, west side of Race Street, between Fourth and Fifth Streets. Cost \$150.

Frederick Glemser, to repair three-story brick on the west side of Clay Street, between Clay and Allison. Cost \$1,000.

M. P. Sculley, to repair a two-story brick, Nos. 491 and 493 Central Avenue. Cost \$1,225.

M. Douglass, two-story stone-front church, on the south side of Evans Street, between Auburn Avenue and Vine Street. Cost \$7,000.

Henry Trukamp, one-story frame, on the south-east corner of Eighth Street and Broadway. Cost \$1,014.

John Huber, two-story brick, No. 12 James Street. Cost \$1,600.

Dr. Jones, three-story brick, on the east side of Freeman Street, between Clark and Gest Streets. Cost \$12,000.

Charles Sindlinger, two-story brick, on the

south side of the River Road, near Bold-Face Creek. Cost \$2,500.

Thomas Jenkins, an addition to a three-story brick on the south side of Seventh Street, between John and Smith Streets. Cost \$500.

Kate P. Leaman, repairs on two four-story bricks, Nos. 58 and 60 East Second Street. Cost \$1,000.

**SCHOOL IMPROVEMENTS.**—The Joint Apportionment Committee of the Board of Education makes a report in favor of adding two rooms at Sedamsville, of buying the lot north of the Tenth District house of adding four rooms to the Intermediate Department of the Twenty-sixth District, of adding six rooms to the Twenty-third District; of adding eight rooms on Riddle Street, and of buying the Brown-street lot. The committee recommends that the request of the Eighth District for a new house be referred to the proper committees, to see whether the Seventh and Eighth District school-houses cannot be sold, and a house to combine the two districts be built on some lot to be bought; also that the question of building next to the First Intermediate be referred to the same committees as the previous request.

**Cleveland, O.**

**PUBLISHING-HOUSE.**—New buildings are to be erected at the corner of Woodland Avenue and Harmon Street, for the Evangelical Publishing Association. They will consist of a four-story building, containing three stores, each 22' x 85'; a four-story building 26' x 68', on Harmon Street; and a building in the rear of the latter, 30' x 52'. The upper three floors of the part fronting on Woodland Avenue are to be used for the editorial department, and the basement for packing and storage. The building fronting on Harmon Street is to contain the type-foundry, machine-shop, the printing and binding departments, and fire-proof vaults for the storage of plates, etc.; and the rear building will be occupied by the boiler and engine-rooms, etc. Cost \$45,000. Mr. J. M. Blackburn, architect.

Mr. Blackburn is also the architect for a two-story frame-house for W. H. Caine, Esq., to cost \$10,000; a two-story frame-house for Dr. J. M. Lewis, to cost \$3,500; and a two-story frame-house for Mr. J. H. Dangerfield, to cost \$3,500. All at South Cleveland, O.

**New York.**

**NEW BUILDINGS ON WALL STREET.**—The "Queen's" and "Orient" Insurance Companies' buildings, now in the course of erection on the site of the old Jauncey Court, are well worthy of some notice, and, when completed, will be a handsome addition to Wall Street. The one to be occupied by the "Orient Mutual Fire" promises to be especially striking in appearance, and substantial throughout. A considerable amount of ornamental carving will relieve the white marble front; and the upper panes of the windows will be of ornamental glass. The plans for the interior are very complete; and, for elevator accommodation, the most approved system has been adopted. This building will, no doubt, reflect much credit on the architect, Mr. A. H. Thorp. The "Queen's" Fire Insurance Company's building adjoining is to be of red and black brick, with blue stone bands and sill-courses, and will be raised five stories above the granite basement. The design for the main entrance is particularly noticeable, with dark granite columns, and carving in stone above the doorway, the main feature of which will be the symbolic cluster, "the Rose, Thistle, and Shamrock." The architects, Messrs. Clinton & Pirsson, expect to have the main office ready for occupation next May. The estimated cost of the "Orient" building is \$125,000; while that of the "Queen's" will probably reach \$100,000.

**BUILDINGS PROJECTED FOR THE WEEK ENDING AUG. 29.**—Nineteen in number, consisting of dwellings, flats, offices, etc. Total value \$230,000.

Owners.	Architects.	Builders.
Wm. C. Rhinelander.	H. M. Smith & Son.	Henry Spear.....
John J. Brady.....	Folen & Tibb.....	Folen & Tibb.....
Abram Johnston.....	E. F. Dunn.....	E. F. Dunn.....
Wm. Schmalz.....	E. F. Dunn.....	E. F. Dunn.....
Wm. P. Brown.....	John M. Foster.....	.....
John Galligan.....	R. W. Bulkeley.....	.....
Christian Dick.....	W. J. Jardine.....	James Gillies.....
James Gillies.....	George B. Felham.....	.....
John Glass, Jr.....	E. H. Cockburn.....	.....
E. H. Cockburn.....	E. H. Cockburn.....	.....
M. P. Mosback.....	John Brandt.....	.....
Hugh H. Moore.....	Andrew Spence.....	H. H. Moore.....
Thomas Melville.....	C. F. Bidder, Jr.....	Thomas Melville.....
C. F. Komer.....	C. F. Bidder, Jr.....	H. Mathews.....
German Evang. Ch.....	John Ruck.....	Owen Donahue.....
Estate of J. B. King.....	Scott & Umbach.....	L. Scudder.....
Thomas E. S. Dwyer.....	Rogers & Browne.....	J. O. Kane.....
Edward G. Tucker.....	Wm. Field & Son.....	William B. Pettit.....
James Ray.....	G. S. Dixon.....	G. S. Dixon.....

**ARMORY.**—The corner-stone of the new armory of the Seventh Regiment will be laid with appropriate ceremonies before long. As a list of the names of the subscribers of Company K is to be placed in the stone, those

will at once pay or complete the payment of their subscriptions. So far, one hundred and twenty members and ex-members of this command have subscribed \$7,265, of which \$6,000 have been paid in to the Regimental Treasurer. The total subscription to the fund now reaches about \$85,000.

**Sacramento, Cal.**

**BUILDING operations** in this city and vicinity have been steadily increasing for the last twelve months, and are very brisk at the present time, which is something unusual at this season of the year in this climate. The buildings now going up here are mostly good, substantial residences, costing from \$2,000 to \$30,000.

The following are new buildings and improvements now going on and nearly completed:—

**METHODIST-EPISCOPAL CHURCH SOUTH.**—Two-story brick, 44' x 72'; rear extension 12' x 24'; tower 16' x 16'; spire, 150' high. Style early English Gothic. Colusa, Cal. J. B. Danner, contractor. The corner-stone was laid on the 15th inst.

**FIRST BAPTIST CHURCH.**—One-story frame, brick basement 44' x 66'; lecture-room 28' x 44'; rear extension 10' x 24'; tower 16' x 16'; spire 150' high. Style Venetian Gothic. Ninth, between L and M Streets. E. F. Woodward, contractor. Corner-stone laid 20th ult.

**MASONIC HALL.**—Three-story and basement brick, 70' x 80', on Sixth Street. Carle & Croly, contractors.

Two-story and basement brick, for D. H. Quinn, 40' x 75, on Fourth and J Streets. Carle & Croly, contractors.

Two-story frame, for Albert Gallatin, French roof and brick basement, 30' x 76'; wing 26' x 18'; rear extension 18' x 24'; tower and two bay-windows, octagon end, and four porches. Sixteenth and H Streets. U. M. Reese, contractor.

Two-story and basement brick, for Edwin A. Burr, 40' x 160'. J, between Eighth and Ninth Streets. Thomas J. Henninger, contractor.

**BONDED WAREHOUSE**, brick, for J. H. Carroll, 80' x 110', in blocks B and C, Tenth and Eleventh Streets. Carle & Croly, contractors.

Two-story and basement brick, for Joseph Rothfeld, 20' x 160'. J, between Sixth and Seventh Streets. Thomas J. Henninger, contractor.

Two-story frame, for J. B. Taylor, 28' x 40'; rear extension 16' x 20'; three porches. Hang Town Crossing. S. Cass, superintendent.

Two-story frame, for A. J. Evans, 20' x 60', with side-wings 6' and 10' x 16'; three porches. Hang Town Crossing. Carle & Croly, contractors.

Two-story and basement brick, for Charles Pommer, 20' x 70'. J, between Sixth and Seventh Streets. A. Kinkele, superintendent.

Two-story and basement frame, for M. Barber, 20' x 30'; wing 6' x 16'; rear extension, one-story, 16' x 18'. H Street. Churchill & Minford, contractors.

Two-story and basement frame, for Henry Earl, 32' x 40'. Eighteenth and H Streets. Hook & Falconer, contractors.

Two-story frame, for L. W. Bling, 22' x 35'; wing 6' x 16'; rear extension, one-story, 14' x 18'. Sixteenth and O Streets. Carle & Croly, contractors.

Two-story frame double, for O. R. Amsden, 38' x 40'. Fourteenth, between I and J Streets. J. W. Neff, contractor.

One-story and basement frame, for Miss Mary Watson, 22' x 40'; wing 6' x 24'; one bay-window and two porches. Seventeenth and H Streets. Carl and Croly, contractors.

Two one-story and basement frame, for W. G. Williams, 20' x 37'; wing, 4' x 24'. Eighteenth and I Streets. Carle & Croly, contractors.

**St. Louis.**

**FORTY-TWO permits** have been issued for the week ending Aug. 24. Fourteen of these are for frame structures of slight value. The rest are for brick buildings with fronts of brick or of stone. Those worth \$2,500 and over are as follows:—

Owners.	Use.	Stories.	Rooms.	Cost.
J. Kuhn.....	Dwelling.	3	18	\$5,000
Mrs. M. Linsenman.....	"	2	14	3,000
L. Luth.....	"	2	18	3,500
David Levy.....	"	3	10	7,400
Henry Broebour.....	"	2	12	2,500
T. Jennehan.....	"	3	14	4,000

**General Notes.**

**ALBANY, N.Y.**—The contract for putting the steam-heating apparatus into the Normal School-house was awarded to Mr. Wyllys H. Warner of No. 114 Leonard Street, New York City, who is now engaged in the work. Mr. Warner also has the contract for the steam-works in the Home for Aged Men in this city.

**ANN ARBOR, MICH.**—We, through misinformation, gave the wrong name for the architect of the new court-house. It should have read G. W. Bunting of Indianapolis, architect.

CANTON, O.—A brick house, costing about \$16,000 is building for C. C. Snyder, from designs by J. M. Blackburn of Cleveland, O.

FALL RIVER, MASS.—The first stone in a block of ten English basement houses was laid Aug. 21. The building will measure 34' x 6' 18 1/2", with a front of Philadelphia pressed bricks, with light Ohio stone finish, in accordance with designs of Walter J. Paine, architect. Business in the building line is quite brisk here, compared to what it has been for the last three years.

FRANKLIN, PENN.—Mr. Blackburn of Cleveland, O., is the architect of a house now building for J. W. Brady, Esq., which is to cost \$6,500.

HARRISON SQUARE, MASS.—A new Methodist Episcopal church is to be built from the designs of Mr. F. Swasey. Cost about \$3,000.

HOLYOKE, MASS.—The Merrick Thread Company propose to duplicate their existing factory by building a four-story mill 200' x 70', with two two-story wings, 110' long.

LOGANSPORT, IND.—The Broadway Presbyterian Church is to be repaired, at a cost of \$5,000.

MANCHESTER, N. H.—The design of Mr. George Keller, architect, of Hartford, Conn., for the Soldiers' Monument, has been accepted. It will cost \$20,000.

MARION, O.—A \$10,000 schoolhouse is now building; J. M. Blackburn, Cleveland, O., architect.

PITTSBURG, PENN.—The new works of the Jacobus & Nimick Manufacturing Company are to be built at Idlewood, a pleasant suburb of the city. The buildings occupy a frontage of over 500' the main building being 200', three stories high, with two wings of 60' each. The foundry is 175' x 70'. The engine-house, brass foundry, and vaults occupy the remainder of the front. The japan shop, 50' x 40', and the box-factory (the same size), are separate from these, on the rear of the lot. It is expected to have the works ready to run in six weeks.

INDEX OF CURRENT WORK.

Giving information concerning important buildings now unfinished.

Boston, Mass. CHURCH.—Cost \$75,000. Mr. John Welch, architect, Brooklyn, N.Y. HOTEL.—Hotel Sumner. E. B. Horn, owner. Messrs. Appleton & Stephenson, architects, Boston, Mass. HOTEL.—Craghton House. C. Felner, architect. POST OFFICE.—Jas. G. Hill, Supervising Architect Treasury Dept. SCHOOLHOUSE.—High and Latin School. G. A. Clough, architect.

Brooklyn, N.Y. CONCERT GARDEN.—F. H. Coles, architect. Cost, \$50,000. HOSPITAL.—Church Charity Foundation of the Protestant Episcopal Diocese of Long Island. N. L. Derby, architect, N.Y. SCHOOLHOUSE.—Corner 6th Avenue and 8th Street.

Chicago, Ill. APARTMENT HOUSE.—C. P. Thomas, architect. \$16,000. CHURCH.—Jefferson Park Presbyterian. J. C. Cochran, architect. STORE.—D. W. Kendall, architect. \$32,000.

Cincinnati, O. STORE.—Alma & Doepke, owners. Hannaford & Procter, architects. MUSIC HALL.—Hannaford & Procter, architects.

Cleveland, O. CONVENT.—Ursuline Academy. L. A. Heard, architect. \$120,000. HIGH SCHOOL.—Brooks & Linus, contractors. L. T. Scofield, architect. \$73,890. CHURCH.—Heights Congregational Church. Walter Bythe, architect. BLOCK OF STORES.—Corner Erie Street and Woodland Avenue. Griese & Weile, architects and builders.

Indianapolis, Ind. CHURCH.—Second Presbyterian Church. B. V. Enos & Son, architects.

New Haven, Conn. OPERA HOUSE.—New Haven Opera House Co. Nicholas Countryman, contractor.

New York. ARMORY OF THE SEVENTH REGIMENT. CONVENT OF THE SISTERS OF ST. JOHN.—E. G. Little, architect. CHURCH.—Roman Catholic Church, West Fifteenth Street. Cost \$150,000. STORE.—G. Thomas, architect. Cost \$20,000.

Philadelphia. CHURCH.—Central Presbyterian, Collins & Autenreith, architects. G. Watson, builder. HOSPITAL.—Presbyterian Hospital. Wilson Bros., architects. THEATRE.—Chestnut Street Theatre.

General. AKRON, O.—First Universalist Church. \$35,000 F. O. Weary, architect. ANDERSON, IND.—Asylum. M. E. May, architect, Indianapolis, Ind. ANN ARBOR, MICH.—Court House. Mr. Bunting, architect, Indianapolis, Ind.

ARCADIA, WIS.—Court House and Jail. C. G. Maybury, architect, Winona, Minn. \$25,000.

BALTIMORE, MD.—Church of St. Michael and All Angels. \$50,000. Wyatt & Sperry, architects.

BELFAST, ME.—Masonic Temple. G. M. Harding, architect, Boston, Mass.

BUFFALO, N. Y.—St. Peter's Evangelical Church. M. E. Beebe, Architect.

CHATTANOOGA TENN.—Court House. A. C. Bruce, Knoxville, Tenn., architect.

DES MOINES, IO.—State House. Bell & Hackney, supervising architects.

FARIBAUT, MINN.—Deaf, Dumb, and Blind Asylum. J. Babcock & Co., contractors. \$53,430.

GALVESTON, TEX.—Cotton Exchange. Gibbs & Moser, architects.

GARDEN CITY, L.I.—Stewart Memorial Church. H. G. Harrison, architect.

HARTFORD, CONN.—Trinity College. T. H. Kimball, supervising architect.

HOBOKEN, N.J.—St. Mathew's Church. Mr. H. Englebert, architect, New York.

HOLYOKE, MASS.—Hotel and Opera House. William Whiting, owner.

JERSEY CITY.—Catholic College. L. O'Connor, architect.

JOLET, ILL.—St. Mary's (R. C.) Church. Mr. Kelly, architect, Brooklyn.

NORTHAMPTON, MASS.—Church. Peabody & Stearns, architects, Boston, Mass.

OMAHA, NEB.—Union Pacific Railroad Depot. Cost, \$100,000.

PORTSMOUTH, N.H.—Opera House. Heirs of John W. Peirce.

ROME, GA.—Shorter Female College. J. A. Cooley, contractor.

SING SING, N.Y.—Methodist Church. Cost \$48,000.

SPRINGFIELD, ILL.—State House. J. C. Cochran, architect.

WABASH, IND.—Court House. B. V. Enos & Son, architects. Cost, \$100,000.

WATERBURY, CONN.—Methodist Church. \$40,000.

WAUKEGAN, ILL.—Court House. H. C. Koch, architect. Cost \$40,000.

ZANESVILLE, O.—Hotel. H. E. Myers, architect. Black & Graham, owners. \$75,000.

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COMPETITIONS.

INSANE ASYLUM.

Proposals for Plans for the new Hospital for the Insane, for the South-eastern District of Pennsylvania.

Resolved. That architects generally be invited to furnish plans for a separate system of hospital buildings for the Insane, which plans shall embrace a general ground plan, and a plan in elevation for at least one or more wards, and an administrative building; also plans showing the internal arrangements of at least one ward, a system of heating and ventilation, cooking, water-supply, drainage, lighting - in fact, all the requirements for the new Hospital for the Insane, for the South-eastern District of Pennsylvania.

Resolved. That the sum of three hundred (\$300) dollars be paid to each of five architects whose plans shall be selected by this Commission from the entire number of plans submitted to the Commission.

Resolved. That from the number of architects competing in said work, one or more shall be selected for the position of architect or architects to erect the said hospital, provided the Commission deem it to be in the best interests of the work to make such appointment.

THOMAS G. MORTON, M.D., Chairman

COMMISSIONERS. - Joseph Patterson, Esq., Western Bank Philadelphia; Thomas G. Morton, M.D., 1421 Chestnut Street, Philadelphia; H. M. Howe, M.D., 1606 Locust Street, Philadelphia; James S. Chambers, 25 South Seventh Street, Philadelphia; Henry T. Darlington, Esq., Doylestown, Bucks County; L. W. Read, M.D., Norristown, Montgomery County; W. H. Miller, Esq., Hornellsville, Delaware County; George F. Smith, Esq., West Chester, Chester County; W. T. McAllister, Esq., Allentown, Lehigh County; John Shouse, Esq., Easton, Northampton County.

PROPOSALS.

LIFE SAVING-STATIONS.

SOUTHAMPTON, L.I.

CONSTRUCTION OF COMPLETE LIFE-SAVING STATIONS.

Sealed proposals will be received at this department until 12 o'clock, noon, of Wednesday, the fifth day of September, 1877, for the construction of a complete life-saving station-house at Bridgehampton, town of Southampton, L. I., N. Y.

Each bid must be accompanied with a bond in the sum of one thousand dollars, with two good and sufficient sureties, conditioned that the bidder shall enter into contract without delay, if his bid be accepted.

Specifications and plans, and form of proposal and bond, can be obtained of H. E. Huntington, Esq., Superintendent Life-saving Stations, Third District, Bridgehampton, L. I., N. Y., and of Capt. J. H. Merryman, Inspector of Life-Saving Stations, No. 16 Broadway, New York City; also upon application at this Department.

The right to reject any or all bids, or to waive defects, if it is deemed for the interests of the government to do so, is reserved.

Treasury Department, Acting Secretary. WASHINGTON, D.C., Aug. 17, 1877.

BOILER RIVETS.

NAVY DEPARTMENT. BUREAU OF STEAM ENGINEERING. WASHINGTON, Aug. 17, 1877.

Sealed proposals, indorsed on envelope "Proposals for Boiler Rivets," will be received at this Bureau until 12 o'clock, M., on Wednesday, the twentieth day of September, 1877, for about 37,500 pound boiler rivets, varying from three-quarters of an inch to one inch in diameter, and from two inches to seven and a half inches long, of which about 20, 700 pounds are to be delivered in United States Navy-Yard at Washington, and the balance in Norfolk Navy-Yard, on or before the fifteenth day of October, 1877.

They are to be made of the very best quality of riveting iron, and subject to inspection and test when delivered.

No bids will be received, except direct from known reliable manufacturers of this article, and only upon blank forms, which may be obtained upon application to this Bureau, together with the schedule and sizes of rivets.

The right is reserved to reject any bid not deemed advantageous to the government.

Responsible security will be required for the faithful delivery of the rivets in conformity with the provisions of the schedule.

W. H. SHOOK, Chief of Bureau.

COURT HOUSE.

CHATTANOOGA, TENN.

Sealed Proposals will be received for the construction of a new Court House building for Hamilton Co., Tenn., until 12 o'clock, M., Sept. 29, 1877, and must be for the entire work. All proposals must be indorsed, "Bids for New Court House," and filed with W. D. Vandye, Clerk of the Court, at the office of A. C. Bruce, architect, Knoxville, Tenn., until the 27th in L. I., after that date the Discount and Deposit Bank, Chattanooga, Tenn. The Commissioners reserve the right to reject any or all bids. The written assent of at least two responsible persons signifying their willingness to become the sureties of the bidder in the contract, to be executed in the event the bid is accepted, must accompany each proposal.

Chairman; W. P. RATHBURN, TOM CRITCHFIELD, D. C. TRENTHAM, J. W. CLIFF, Commissioners for Hamilton County, Tenn. Aug. 15, 1877.

SCHOOLHOUSE.

COLLEGE HILL, O.

Proposals for the erection of a Schoolhouse are invited by the Board of Education of College Hill School District, Hamilton County, Ohio. Bids will be received until 12 o'clock noon of Sept. 13, 1877, at the office of Charles Crapney, architect, 68 Jackson Building, Cincinnati, O., where drawings and specifications are now on file.

PROPOSALS.

LIGHTHOUSE TOWER.

OTTAWA, ONT.

Tenders will be received by the Department of Marine and Fisheries, at Ottawa, Ont., up to Sept. 4, 1877, for the erection of a Lighthouse Tower upon the Government Pier at Coteau Landing, County of Soulanges, Quebec. Plans and specifications can be seen at the Post-office at Coteau Landing; at the office of the Inspector Police, Harbor Commissioners' Building, Montreal; and at this Department, where, also, forms of tender can be procured by intending contractors. Tenders to be addressed to the undersigned, and marked on the outside "Tender for Coteau Landing Lighthouse."

DEPUTY MINISTER OF MARINE, etc., OTTAWA, ONT.

JAIL.

NELSON, NEB.

The Board of County Commissioners of Nuckolls County, Nebraska, will receive bids at the meeting of said Board on Sept. 13, 1877, at the County Clerk's office, in the town of Nelson, said county, for the erection of a Jail Building at Nelson, the county-seat of said county, in accordance with the plans and specifications as furnished by J. Bostater, architect, Lincoln, Neb. The same is on file in the clerk's office of said county. By order of the Board.

JOSEPH VAN VALIN, County Clerk.

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For particulars address WILLIAM R. WARE, Esq., Professor of Architecture, or Dr. SAMUEL KNEELAND, Secretary. BOSTON, Aug. 1, 1877.

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Tracing cloth upon the dull side, bank-note paper, or tracing paper, provided it is not of a yellowish tinge, may be used in cases of absolute necessity.

The ink should be black and of uniform strength.

The lines should be firm, sharp, not too coarse, and not unintentionally broken.

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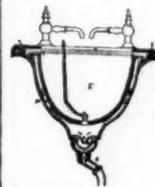
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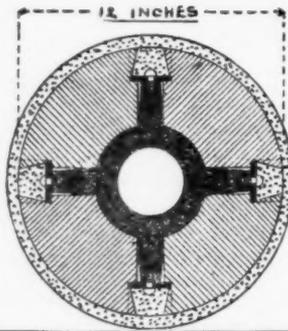
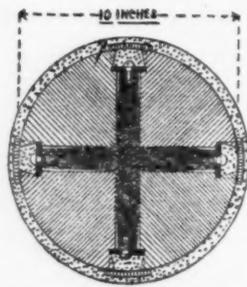
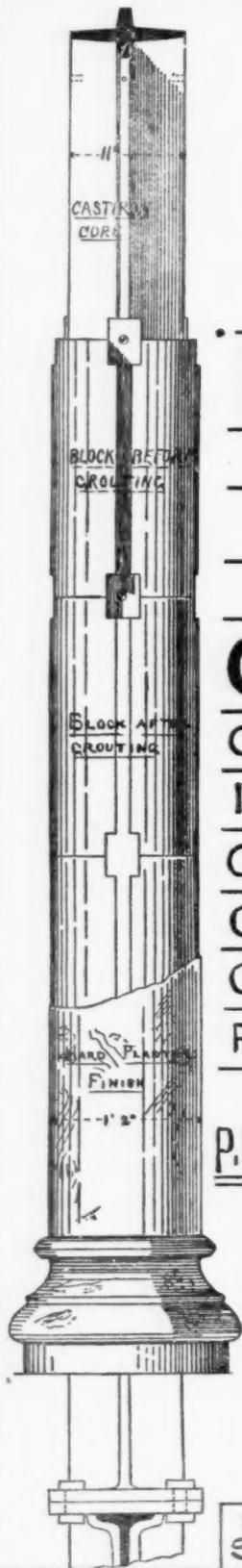
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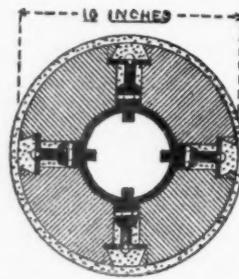
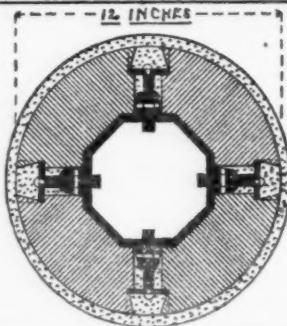
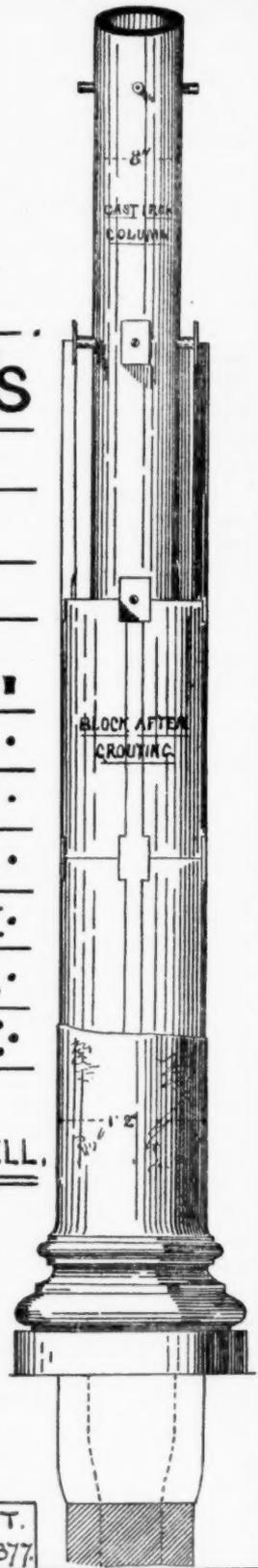


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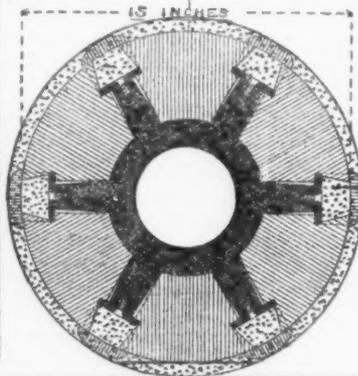
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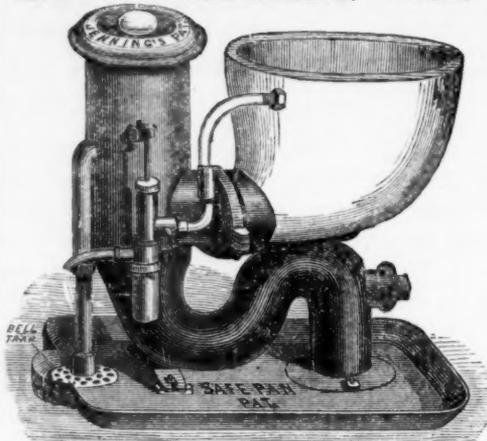
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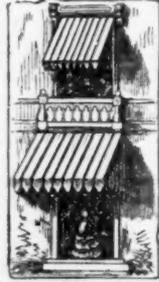
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I. C. coke, 10 x 14, I. X. charcoal, 10 x 14, I. C. charcoal, 14 x 20, I. X. charcoal, 14 x 20, I. C. coke, 14 x 20, I. C. coke, terme, 14 x 20, I. C. charcoal, terme, 14 x 20.

ZINC - Duty, sheet, 24c. Sheet (gold) foreign. LEAD. Bat., Sheet, Pipe. Discount, 10 per cent to trade.

BOSTON.

PRICES TO CONTRACTORS AND BUILDERS. FIRE BRICK. Waldo Bros. Extra, Waldo Bros. No. 1, Waldo Bros. No. 2, Portland Stone Ware Co., No. 1, Portland Stone Ware Co., No. 1 extra.

BUILDING BRICKS. Eastern, Bay State.

LUMBER. Michigan pine - Nos. 1 and 2, No. 3, No. 4, Black Walnut - Nos. 1 and 2, Culls, A-h - Nos. 1 and 2, Culls, Cherry - Nos. 1 and 2, White wood - Nos. 1 and 2, 3/4-inch, No. 1, Oak, Butternut - Nos. 1 and 2, Eastern pine - Nos. 1, 2, and 3, No. 4, No. 5, Spruce - random cargoes scantling and plank, Boards, Hemlock Boards, Laths - Spruce, Pine, Shingles - Spruce, Pine shaved, Sawed extras, 16 and 18 in.

PAINTS AND OILS. Paris white, English, Zinc, white, in oil, Lead, white, American, in oil, pure, Ochre, French, dry, Ochre, in oil, Venetian red, English, Chrome yellow, in oil, Paris green, pure, Putty, Sienna, in oil, Umber, in oil, Umber, burnt, Umber, raw, Black, Lamp, Black Paint, in assorted cans, Bay State Colors in 100 lb kegs or 25 lb pails.

LIME. Quoted at 85c. per cask for Rockland and Rockport.

CEMENT. Rosendale, Portland, Roman, Keene's coarse, Keene's fine.

BUILDERS' HARDWARE. 10d. Nails, 10d., 10 1/2d., 11d., 12d., 13d., 14d., 15d., 16d., 17d., 18d., 19d., 20d., 21d., 22d., 23d., 24d., 25d., 26d., 27d., 28d., 29d., 30d., 31d., 32d., 33d., 34d., 35d., 36d., 37d., 38d., 39d., 40d., 41d., 42d., 43d., 44d., 45d., 46d., 47d., 48d., 49d., 50d., 51d., 52d., 53d., 54d., 55d., 56d., 57d., 58d., 59d., 60d., 61d., 62d., 63d., 64d., 65d., 66d., 67d., 68d., 69d., 70d., 71d., 72d., 73d., 74d., 75d., 76d., 77d., 78d., 79d., 80d., 81d., 82d., 83d., 84d., 85d., 86d., 87d., 88d., 89d., 90d., 91d., 92d., 93d., 94d., 95d., 96d., 97d., 98d., 99d., 100d.

Door Butts. Size - 4 1/2 x 4 1/2 x 5 x 5. Japanned Acorn, Plain bronzed Iron, Ornamental Bronze Metal, Ornamental Bronze Metal.

Mortise Locks - Brass face and bolt - easy spring. 3/4 to 4 1/2 in. Do. for front doors. Factory make, plain front, Factory make, bronze front, Boston make, plain front.

Door Knobs. Solid glass, Silvered glass, Cut glass, Nickel plated, Bronze metal.

Sash Fast. Plain brass, Plain brass, self-locking, Nickel plated, self-locking, Bronze metal, self-locking.

Screws. Round head, nickel plated, for window beads, Store Door Handles - with mortise latch, Lacquered brass, Bronze metal.

IRON. Wrought-iron I Beams (John H. Reed & Co.), Wrought-iron I Beams, Wrought-iron I Beams, Wrought-iron Channel Beams, Wrought Angle Iron, Wrought T Iron, Wrought Glider Plates, Wrought Glider Rivets.

CHICAGO.

PRICES TO CONTRACTORS AND BUILDERS.

BRICK, LIME, AND CEMENT. Lime, in bulk, bbl., Lime, in bbls., Chicago building brick, Sewer brick, Indiana pressed brick, 1,000, Fire brick, 1,000, Cement, Utica and Louisville, bbl., Cement, Akron, bbl., White sand, bbl., Plaster paris, Michigan, bbl., Plaster paris, New York, bbl., Fire clay, bbl., Plaster-hair, bush.

LUMBER (MICHIGAN PINE). First and second clear, 1 to 2-in., Third clear, 1-in., Third clear, 1 1/2 to 2 in., Select, 1-in. A., Select, 1-in. B., Select, 1 1/2 to 2-in. A., Select, 1 1/2 to 2-in. B., Wagon box boards, 13 in. and upward A., Wagon box boards, 13 in. and upward B., Floorings, first and second clear, dressed, B stock boards, 10 to 12-in., C stock boards, 10 to 12-in., Common stock boards, 12 in., Common boards, 12 to 20 ft., Fencing, 12 to 16 ft., Round cedar posts, Joist and scantling, 12 to 18 ft., Joist and scantling, 20 ft., Joist and scantling, 22 to 24 ft., Flooring, first common, rough, Flooring, second common, rough, Flooring, first common, dressed, Flooring, second common, dressed, Siding, first and second clear, dressed, Siding, first common, dressed, Siding, second common, dressed, Timber, sawed, 12 to 16 ft., Pickets, square, Shingles, sawed A., Shingles, sawed, No. 1, Lath, Dry A shingles, on track.

HARDWOOD LUMBER. White wood, clear, White wood box boards, A., White wood box boards, B., White wood 1 select, dressed and matched, White wood, common, White wood cull., Ash, clear flooring, 3 and 4-in., dressed and matched, Ash, clear flooring, 6-in. dressed and matched, Oak, clear, Oak, common, Hickory, Black walnut, counter-tops, Black walnut, clear, Black walnut, firsts and seconds, Black walnut, common, Black walnut culls, Pine, clear, clear flooring, 3 and 4-in., dressed and matched, Cherry, first and second, Butternut, first and second, Maple, clear flooring, 4 and 6-in., dressed and matched, Florida red cedar, foot, Mahogany, foot, White holly, foot.

METALS AND TINNERS' STOCK. Tin plate, I C 10 x 14, charcoal, Tin plate, I X, 10 x 14, charcoal, Tin plate, I C, 12 x 12, charcoal, Tin plate, I X, 12 x 12, charcoal, Tin plate, I C, 14 x 20, charcoal, Tin plate, I X, 14 x 20, charcoal, Tin plate, I X X, 14 x 20, charcoal, Tin plate, 14 x 14, charcoal, I C roofing, 14 x 20, charcoal, I C roofing, 14 x 20, charcoal, I C roofing, 14 x 20, charcoal, I X roofing, 20 x 28, charcoal, I X roofing, 20 x 28, charcoal, I C roofing, 14 x 20, coke, 10 x 20 coke (for cutters), 250 sheets, Pig tin, large (60 lbs.), Pig tin, small (30 lbs.), Pig bar tin.

\* "Roofing tin" in Chicago means lead-coated, but is not used for the best roofs.

Solder. No. 1, 15c.; extra, 20c. Lead. Pig, 1 1/2c.; bar, 9c.; lead pipe, 9c. Copper. Bottoms, 24c.; sheathing copper, 22c. Sheet Zinc. Full cast, 9c.; slabs, 8 1/2c. Sheet Iron. No. 24, 3c. rates; Russia Iron, Nos. 9 to 12, 14c.; do. No. 1, stained, 13c.; American planished A, 12c.; B, 10c.; galvanized iron, No. 26, 14c., with discount of 35 per cent.

NAILS. No. 1 to 4, 9c.; 5 to 9, 10c.; 10 to 11, 11c.; 12, 11 1/2c.; 13 and 14, 12c.; 15 and 16, 14c.; 17, 15c.; 18, 16c.; 19, 18c.; 20, 20c. Discount of 45 per cent.

PAINTS AND COLORS. White Lead. Strictly pure, \$9.75; fancy brands, \$7.00 to \$9.00. Zinc. French, \$12.00 to \$13.00; American, \$10.00. Colors. Chrome yellow, in oil, Umbers and Siennas, Marselite green, Coach black, Graining colors, Mineral paints, Ven. red, dry, Yellow ochre, dry.

OILS. Linseed, raw, 65c.; boiled, 68c.

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**ANOTHER TOAD STORY.**—One of the most authentic toad-in-a-hole stories is told by *La Nature* as follows: "In the building of a new chateau in the Department of Aisne, materials from the old chateau were used as much as possible. This building dated from the end of the seventeenth century. One large piece of stone had in the middle of one side a large moist portion; it seemed otherwise sound. The stone was sawed to remove the moist exterior (the moisture was attributed to a flow of water into the stone in the old building), and was put in position in a window. Time went on, and the stone, much to the builder's disappointment, did not dry, but presented a most villainous contrast to its surroundings. It was at length decided to remove and sacrifice it in order to find out the cause. On sawing right through the moist part, a large, irregular cavity (almost .15 m. in all directions) was found in the centre; and in this cavity an enormous live toad, which by squatting had escaped the saw."

**COLOGNE CATHEDRAL.**—Work is now being pressed forward with great activity; the statues and other ornaments are being rapidly put in position around the western doorway. The vault of the second story of the southern tower, upon which is to be built the iron belfry, is nearly finished. The scaffolding to aid in roofing this tower has been finished, and workmen are now at work on the pyramids, each forty feet high, which are to ornament this roof. At the same time every effort is making to finish the great vault of the northern tower.

**GALVANIZING IRON.**—Molesworth gives the following directions for galvanizing iron,—coating iron with zinc. The directions are very explicit, and will be found valuable by some of our readers. Pickle the article six or eight hours in water containing about one per cent of sulphuric acid held in wooden vessels; the acid requires to be renewed from time to time, according to the quantity of iron pickled. After pickling scour and wash well in clean water. Keep the article under clean water (in which a little fresh burnt lime has been stirred) until ready for the next process. Immerse in chloride of zinc for one or two minutes, until a skin of fine bubbles is formed on the surface. Chloride of zinc may be formed by saturating hydrochloric acid with metallic zinc until effervescence ceases, then decanting and adding a little sal-ammoniac. Dry the article on a heated iron plate, then immerse it in a bath of molten (not glowing) zinc until it acquires the temperature of the zinc bath. The surface of the molten zinc should be protected by sal-ammoniac or some other substance. In some cases there is a partition at the surface of the bath, one portion of the surface being protected with sal-ammoniac, the other with a layer of charcoal. Beat the article while hot, to remove the excess of zinc.

**LADIES' ART ASSOCIATION.**—The ladies of Chicago have established an art association, the object of which is to aid ladies who depend for support on any branch of art.

**BUILDING INTELLIGENCE.**

[Reported for the American Architect and Building News.]

**A RECORD.**

Showing how buildings recently burned are to be replaced.

**EAST CAMBRIDGE, MASS.**—The building which was occupied by Pettengill & Sawyer as an oil-cloth factory, and which was burned Aug. 7, is to be replaced by a framed building, measuring 42' x 57', and three stories high, with a tinued roof. It is to be built by Mr. D. A. Gilcrease, builder, from drawings prepared by Mr. H. B. Dennison, architect, and is to be used by Howard M. Sawyer, Esq., as formerly. As a precaution against future fires, the building is to be built with fire-proof boiler and drying compartments.

**FOXCROTT, ME.**—The building which was occupied by L. H. Dwellley & Co. as a spool factory, and which was burned July 13, is to be replaced by a new building, measuring 125' x 40', and three stories high; to be built of brick. It is to be built from drawings prepared by Mr. L. H. Dwellley, and is to be used by L. H. Dwellley & Co. as a spool factory.

**MR. VERNON, O.**—The brick building on the west side of Main, between Vine and Gambier Streets, so nearly destroyed by fire lately, is being improved by the addition of another story, iron fronts, etc.

**OWENSBORO, KY.**—The building which was occupied by A. F. McJohnson & Co. as a grocery store, and burned July 18, is to be replaced by a building measuring 100' x 20', and three stories high, to be built of brick. The contract for all carpenter-work is given to William Emler, and brick-work to James A. Wilhoite. The building is to be used as a restaurant and hotel. Cost of building \$3,000.

**PITTSBURG, PENN.**—The elevator to take the place of the one destroyed will have a capacity of 100,000 bushels, and is to cost \$40,000.

**ST. JOHN, N.B.**—The building of the Bank of Nova Scotia, which was burned in the great fire of June 20, is to be replaced by a building measuring 38 1/2' x 60', three stories and Mansard in height, with a front of freestone, with red and gray granite columns. The lower floor is to be used for banking purposes, and the upper floors for offices. Architect and builder, S. M. Brookfield, Halifax, N.S.

**SUMMARY OF THE WEEK.**

Reports from the Principal Cities and Towns of the Country.

**Boston.**

**BRICK BUILDINGS, ETC.**—Notwithstanding the dulness of the past week or two, the business of August, as compared with the same month in 1876, showed an improvement; fifteen more permits having been granted than in August a year ago.

**WOODEN BUILDINGS.**—Eleven permits have been granted since the last report, to W. A. Blazo, John Graves, George W. Pope, William Donaldson, William Krumm, John Horsford, Herman Drake, Hargrave & Son, Beal & Spear. The GRAHAMITE ASPHALT PAVEMENT CO. are building works for the manufacture of their pavement, on Hospital Wharf, at the South End.

**THE BACK BAY** presents quite an active appearance at the present time. A number of substantial buildings are in process of erection, and large forces of workmen are engaged on the Commonwealth Avenue extension, and the Columbus Avenue bridge.

**PERMITS.**—The following is a comparative

statement of the number of permits issued at City Hall during August, 1876, and August, 1877:—

	Brick.	Wood.	Repairs.	Engine and Heating		Total
				Boiler.	Apparatus.	
Aug. 1876.	10	38	186	9		243
" 1877.	25	35	200	32		331

**Cincinnati.**

**CORNER-STONE LAID.**—The corner-stone of the new Protestant Episcopal Church of Our Saviour, situated on Evans Street, Mt. Auburn, was laid Aug. 31, with appropriate ceremonies.

**Cleveland, O.**

**MANUFACTORY.**—Buildings are to be built for the Cleveland Barb Fence Co. on Case Avenue, near the Cleveland and Pittsburg Railroad track. They will consist of a main building two stories in height 50' by 125', a foundry one story 50' by 55', and an engine and boiler house 25' by 50'. The whole will cost \$8,000. Mr. J. M. Blackburn is the architect.

**CEMETERY VAULT.**—A fine stone vault is being built for Mr. Byron Harris at the Eric Street Cemetery; it is to cost \$3,000. Mr. N. P. Charlott is the architect.

**ADDITIONS TO CHURCH.**—Additions are to be built to the west side of the chancel of Trinity Church of this city. They will contain the organ and retiring rooms, and will cost \$2,500. Mr. J. M. Blackburn is the architect.

**DWELLING.**—A two-story brick house on Pearl Street for Mrs. John H. Martin, to cost about \$4,000. Mr. S. N. Nelson is the contractor.

**New York.**

**BUILDINGS PROJECTED FOR THE WEEK ENDING SEPT. 4.**—Thirteen in number, consisting of dwellings, stores, etc. Total value \$32,000.

Owners.	Architects.	Builders.
M. McCall.....	Jno. Wilson.....	
L. Drucker.....	William Jose.....	
Jno. Becker.....		J. Kern.....
W. Doobs.....	W. Doobs.....	Jno. Ashby.....
L. Walter.....	J. C. Stickler.....	J. C. Stickler.....
Wm. Simpson & Co.....	E. Gustavson.....	E. Gustavson.....
Robert Colgate.....	J. M. Grinnell.....	George Mulligan.....
J. A. Conlon.....	J. M. Grinnell.....	
J. W. Demick.....	J. H. Whitesack.....	
Est. M. C. Caderlater.....	William Jose.....	

**St. Louis.**

**FIFTY-SEVEN** permits were issued for the week ending Aug. 31. Of these eighteen were for frame erections costing from \$25 to \$150 each. The rest were for brick buildings with brick or stone fronts. Those worth \$2,500 and over are as follows:—

Owners.	Use.	Stories.	Rooms.	Cost.
Turner & Hunt.....	St. & rooms.	Alters	tions.	\$3,000
L. Kohlbring.....	Dwelling.	2	12	2,500
R. Reilly.....	"	3	10	9,000
S. A. Bemis.....	"	3	10	6,200
E. E. Carrara.....	"	3	8	3,500
J. A. Conlon.....	"	3	8	3,500
Mrs. B. Loth.....	"	3	12	7,500
Dr. Hauck.....	"	2	8	3,200
Dr. Zeiniger.....	Store & dw.	3	10	7,000
Lindell Glass Co.....	Factory.	1	1	6,000
A. & L. Ouhrabka.....	Dwelling.	2	18	5,000
J. W. Northrop.....	"	2	6	2,500

**General Notes.**

**BELLE PLAINE, IO.**—Late improvements here are very substantial. The residences going up are first class. The Baptists are getting ready to build, probably on the south side of the North-western Railroad track, where there is no church, and nearly half the people live.

**BRIDGEPORT, CONN.**—The Opera-house property was bought by Alfred Ely of Hartford for \$75,000, and it will be altered over into business offices and a hall.

**GLENDALE, O.**—The new government build-

ing will be ready for occupancy about the 1st of October.

**GOSHEN, IND.**—An opera-house measuring 106' x 85', and to seat 1,200, is being built. It is to cost \$22,000. Messrs. Noble & Son of Cory, and the Goshen Opera-house Co. are the owners.

**GREENSBURG, IND.**—Messrs. Ketcham & Gibson, architects, of Indianapolis, are building a hotel. Cost \$18,000.

**JERSEY CITY, N.J.**—An immense fire-proof elevator is to be constructed at the terminus of the Erie Railway in New Jersey, on the pier formerly occupied by the White Star Steamship Company. The building will cost \$600,000, and have a storage capacity of 1,500,000 bushels.

**MARION, O.**—The Commissioners of Marion County, Indiana, contracted for a new courthouse, to cost \$25,000. It has cost \$312,845, and is incomplete.

A block of stores is being built for Mr. T. C. Commins.

**MEADVILLE, PENN.**—A three-story brick building, 27' x 100', for Mr. Henry Drentline; to be used for a tobacco warehouse and manufactory. J. M. Budge, jun., architect.

**OCEAN SPRAY, MASS.**—Work has begun on a prominent residence at this place, finished throughout with all the modern improvements. The builder is S. E. Sprague of East Boston, and the work is being done under the superintendence of Mr. Charles J. Bateman, architect, of Boston.

**OIL CITY, PENN.**—A printing establishment for the Oil City Derrick; two stories, brick, 47' x 36'. To cost \$4,000. J. M. Budge, jun., architect.

The new Oil City Exchange, about to be erected here, will be a four-story building, 60' by 100'; fronting upon Sycamore, Centre, and Seneca Streets. The exterior is to be of Amherst stone. It is to cost \$75,000. Mr. J. M. Budge, jun., is the architect. Messrs. Carpenter & Co., of Conneautville, O., are the contractors.

**OWENSBORO, KY.**—A new flouring mill is soon to be erected for L. W. Owen.

**RICHMOND, VA.**—The Young Men's Christian Association makes an appeal for help to erect a suitable Association building. The estimated cost is \$100,000. A temperance restaurant will be opened in it.

**WINDSOR, VT.**—It is reported that the Government is to build a signal-station and observatory on the top of Asectuney mountain, at a cost of \$20,000.

**INDEX OF CURRENT WORK.**

Giving information concerning important buildings now unfinished.

**Boston, Mass.**

**CHURCH.**—Cost \$75,000. Mr. John Welch, architect, Brooklyn, N.Y.

**HOTEL.**—Hotel Summer. E. B. Horn, owner. Messrs. Appleton & Stephenson, architects, Boston, Mass.

**HOTEL.** Hotel Comfort. \$80,000. L. Weissbein, architect. W. Sheafe, owner.

**HOTEL.**—Creighton House. C. Fehmer, architect, Post Office.—Jas. G. Hill, Supervising Architect

Treasury Dept.

**SCHOOLHOUSE.**—High and Latin School. G. A. Clough, architect.

**Brooklyn, N.Y.**

**CONCERT GARDEN.**—F. H. Coles, architect. Cost, \$50,000.

**HOSPITAL.**—Church Charity Foundation of the Protestant Episcopal Diocese of Long Island. N. L. Derby, architect, N.Y.

**SCHOOLHOUSE.**—Corner 6th Avenue and 8th Street.

**Chicago, Ill.**

**APARTMENT HOUSE.**—C. P. Thomas, architect. \$16,000.

**CHURCH.**—Jefferson Park Presbyterian. J. C. Cochran, architect.

**STORE.**—D. W. Kendall, architect \$32,000.

Cincinnati, O. STORE.—Alms & Doepke, owners. Hannaford & Proctor, architects. MUSIC HALL.—Hannaford & Proctor, architects.

Cleveland, O. CONVENT.—Ursuline Academy. L. A. Heard, architect. \$120,000. HIGH SCHOOL.—Brooks & Linus, contractors. L. T. Scofield, architect. \$73,890. CHURCH.—Heights Congregational Church. Walter Blythe, architect. BLOCK OF STORES.—Corner Erie Street and Woodland Avenue. Griese & Weile, architects and builders. PUBLISHING HOUSE.—Evangelical Publishing Association. \$45,000. J. M. Blacklum, architect.

Hartford, Conn. TRINITY COLLEGE.—F. H. Kimball, supervising architect. ORPHAN HOME.—F. H. Kimball, architect.

New York. ARMY OF THE SEVENTH REGIMENT. CONVENT OF THE SISTERS OF ST. JOHN.—E. G. Little, architect. CHURCH.—Roman Catholic Church, West Fifteenth Street. Cost \$150,000. ORIENT INS. CO'S. BUILDING.—A. H. Thorp, architect. \$125,000. QUEEN'S INS. CO'S. BUILDING.—Clinton & Pirsson, architects. \$100,000. STORE.—G. Thomas, architect. Cost \$20,000.

Philadelphia. CHURCH.—Central Presbyterian. Collins & Autenreith, architects. G. Watson, builder. HOSPITAL.—Presbyterian Hospital. Wilson Bros., architects. THEATRE.—Chestnut Street Theatre.

General. AKRON, O.—First Universalist Church. \$35,000 F. O'Worry, architect. ANDERSON, IND.—Asylum. M. E. May, architect, Indianapolis, Ind. ANN ARBOR, MICH.—Court House. Mr. Bunting, architect, Indianapolis, Ind. ARCADIA, WIS.—Court House and Jail. C. G. Maybury, architect, Winona, Minn. \$25,000. BALTIMORE, MD.—Church of St. Michael and All Angels. \$80,000. Wyatt & Sperry, architects. BELFAST, ME.—Masonic Temple. G. M. Harding, architect, Boston, Mass. BUFFALO, N. Y.—St. Peter's Evangelical Church. M. E. Beebe, architect. CHATTANOOGA, TENN.—Court House. A. C. Bruce, Knoxville, Tenn., architect. DES MOINES, IO.—State House. Bell & Hackney, supervising architects. FARIBAULT, MINN.—Deaf, Dumb, and Blind Asylum. J. Babcock & Co., contractors. \$53,430. GALVESTON, TEX.—Cotton Exchange. Gibbs & Moser, architects. GARDEN CITY, LI.—Stewart Memorial Church. H. G. Harrison, architect. HARTFORD, CONN.—Trinity College. T. H. Kimball, supervising architect. HOBOKEN, N. J.—St. Mathew's Church. Mr. H. Englebert, architect, New York. JERSEY CITY.—Catholic College. L. O'Connor, architect. JOLIET, ILL.—St. Mary's (R. C.) Church. Mr. Kelly, architect, Brooklyn. NORTHAMPTON, MASS.—Church. Peabody & Stearns, architects, Boston, Mass. OMAHA, NEB.—Union Pacific Railroad Depot. Cost, \$100,000. PORTSMOUTH, N. H.—Opera House. Heirs of John W. Peirce. ROME, GA.—Shorter Female College. J. A. Cooley, contractor. SACRAMENTO, CAL.—Masonic Hall. Carle & Croly, contractors. SING SING, N. Y.—Methodist Church. Cost \$48,000. SPRINGFIELD, ILL.—State House. J. C. Cochrane, architect. WABASH, IND.—Court House. B. V. Enos & Son, architects. Cost \$100,000. WATERBURY, CONN.—Methodist Church. \$40,000. WAUKEGAN, ILL.—Court House. H. C. Koch, architect. Cost \$40,000. ZANESVILLE, O.—Hotel. H. E. Myers, architect. Black & Graham, owners. \$75,000.

BUILDING SPECIALTIES.

—The attention of lock manufacturers is directed to the advertisement of the Supervising Architect, among "Proposals," asking for bids to supply locks, boxes, doors, etc. for U. S. Post-offices.

—Messrs. Wilson & James of No. 68 Beekman Street, New York, have issued an illustrated catalogue, showing the various kinds of rolling shutters and blinds manufactured by them. They include the self-coiling, revolving steel shutters, and the rolling shutters, to work with gear; the rolling steel shutters, for store fronts, warehouses, etc., claimed to be fire-proof and burglar-proof; and the rolling Venetian blinds, rolling Venetian shutters, etc. The illustrations show how, in building, to provide space for these appliances, and the explanations are calculated to give aid to architects and builders in perfecting and carrying out plans for buildings on which the articles are to be used. Messrs. Wilson & James are the New York agents for the well-known Baltimore house of Bartlett, Robbins, & Co., whose iron-work for buildings, heating apparatus, etc. is known throughout the country.

—The New York Valve and Faucet Co., 107 Beekman Street, will furnish the new St. John's Hospital, Brooklyn, with basins, water-closets, etc.

—Messrs. Noyes & Wines will furnish the iron-work for the court-house designed by Edwin May, architect, of Indianapolis.

—Messrs. Aspinwall & Son of Murray Street, New York, are laying Minton's tiles on the floors of the waiting-rooms of the new house in Greenwood Cemetery, designed by Mr. E. M. Upjohn, architect.

—Messrs. Miller & Coates of Pearl Street, New York, furnish the Minton tiles for the new college building of the Columbia Deaf and Dumb Institute of Washington, D.C., of which Mr. F. C. Withers is the architect.

—The U. S. Reflector Co. are arranging through Messrs. West & Cannon, consulting engineers, 40 Courtlandt Street, New York, to furnish the late A. T. Stewart's house with lights, so as to illuminate the hall without gas-jets being visible.

Drawings for the American Architect and Building News.

Architects and architectural draughtsmen who desire to contribute drawings for publication will find the following facts of use:—

Only pen-and-ink drawings, without brush-work of any kind, can be reproduced.

The space upon a single page allowed for a drawing is 7" x 11"; therefore drawings should have approximately these proportions.

The reproductions are most satisfactory when they are from one-third to one-half as large as the originals. The most satisfactory results are obtained from drawings upon Bristol board, or hot-pressed Whatman. Tinted paper should not be used.

Tracing cloth upon the dull side, bank-note paper, or tracing paper, provided it is not of a yellowish tinge, may be used in cases of absolute necessity.

The ink should be black and of uniform strength. The lines should be firm, sharp, not too coarse, and not unintentionally broken.

Shading and hatching lines must not be too close and crowded, especially where a large surface is to be shaded.

It is very desirable that plans should accompany the drawings.

Drawings of details both constructional and ornamental are also desirable.

CLASSIFIED ADVERTISEMENTS.

Table listing various architectural services and their corresponding page numbers, including Architects, Architectural Books, Asphalt and Other (Felt) Roofing, Blinds, Brick, Building Stone, Bronze Decorations, Builders in Iron, Builders' Hardware, Building Stone, Cement, Church Furniture, Clocks for Public Buildings, Decorators, Desigining and Wood Engraving, Drain Pipe, Electric Bells, Annunciators, &c., Electric Gas-Lighting, Elevators, Fire-Proof Buildings, Furniture and Decoration, Furnaces, Galvanized Iron Cornices, Gas Fixtures, Gas Machines, Granite, Hinges (Spring), Iron Bridges, Iron Merchants, Iron Work for Buildings, Iron Window Shades, Lock and Bronze Hardware, Mantels, Marquis Basket Hopper, Paint, Paper Hangings, Perforated Seating, Plumbers, Plumbers' Supplies, Proposals, Roofs, Roofing Felt, Rolling Venetian Blinds, Schools, Shutters (Steel), Skylights, Stained Glass, Stationery, &c., Steam Heating Apparatus, Stone (Building), Terra Cotta, Tiles, and Wood Carpeting.

Publishers' Department. The American Architect and Building News.

PUBLISHED WEEKLY BY AMES R. OSGOOD & CO., WINTHROP SQUARE..... BOSTON. Fifteen cents per copy; \$7.50 per year; \$6.00 in advance.

RATES OF ADVERTISING. On the first page, and pages next to editorial matter, 124 cents per line (agate), or \$1.75 per inch (fourteen lines) one insertion. One inch, one month . . . . . \$7.00 One inch, three months . . . . . 20.00 One inch, nine months . . . . . 58.00 One inch, one year . . . . . 70.00 On other pages, 10 cents per line each insertion, or \$1.40 per inch. One inch, one month . . . . . \$3.60 One inch, three months . . . . . 10.00 One inch, nine months . . . . . 28.00 One inch, one year . . . . . 34.00 No extra charge for cuts, or for advertisements that occupy more than one column in width.

Table listing various building specialties and their corresponding page numbers, including Electric Gas-Lighting, Elevators, Fire-Proof Buildings, Furniture and Decoration, Furnaces, Galvanized Iron Cornices, Gas Fixtures, Gas Machines, Granite, Hinges (Spring), Iron Bridges, Iron Merchants, Iron Work for Buildings, Iron Window Shades, Lock and Bronze Hardware, Mantels, Marquis Basket Hopper, Paint, Paper Hangings, Perforated Seating, Plumbers, Plumbers' Supplies, Proposals, Roofs, Roofing Felt, Rolling Venetian Blinds, Schools, Shutters (Steel), Skylights, Stained Glass, Stationery, &c., Steam Heating Apparatus, Stone (Building), Terra Cotta, Tiles, and Wood Carpeting.

THE SANITARY CONDITION OF

CITY AND COUNTRY DWELLING HOUSES. By George E. Waring, Jr. Being No. 31 Van Nostrand's Science Series. 18mo, Boards, 50 cents. D. VAN NOSTRAND, Publisher. 23 Murray St. and 27 Warren St., New York. \*Copies sent free by mail on receipt of price.

PROPOSALS.

SLATING, GALVANIZED IRON WORK, ETC.

Proposals for Slating, Galvanized Iron Work, etc., for the roof of the U. S. Court House and Post Office at Lincoln, Neb.

OFFICE OF THE SUPERVISING ARCHITECT, TREASURY DEPARTMENT, WASHINGTON, D.C., Sept. 4, 1877.

Sealed proposals will be received at this office until 12 M., on the 20th day of September, 1877, for all the Slaters' Work and Galvanized Iron Work, including wrought iron flues and crest railing, required for the roof of the U. S. Court House and Post Office at Lincoln, Neb., in accordance with drawings and specification.

Copies of drawings and specification, and any additional information, may be had on application at this office or the office of the Superintendent.

JAS. G. HILL, Supervising Architect.

SLATERS' AND COPPER WORK.

Proposals for Slaters' and Copper Work for roof of U. S. Appraisers' Stores, San Francisco, Cal.

OFFICE OF THE SUPERVISING ARCHITECT, TREASURY DEPARTMENT, WASHINGTON, D.C., Sept. 4, 1877.

Sealed proposals will be received at this office until 12 M., on the 15th day of October, 1877, for all the Slaters' Work and copper work required for the roof of the U. S. Appraisers' Stores at San Francisco, Cal., in accordance with drawings and specifications.

Copies of drawings and specifications, and any additional information, may be had on application at this office or the office of the Superintendent.

JAS. G. HILL, Supervising Architect.

PROPOSALS FOR POST-OFFICE LOCK FRONTS FOR LETTER BOXES FOR U. S. Post-Offices.

OFFICE OF SUPERVISING ARCHITECT, TREASURY DEPARTMENT, WASHINGTON, D.C., Aug. 31, 1877.

Sealed proposals will be received until 12 M., on the first day of October, 1877, for supplying and delivering at this office from time to time, locks, doors, and frames for letter-boxes, and metallic fronts with locks for drawers, etc., for United States Post-Offices. Copies of specifications and additional information may be had on application at this office.

JAS. G. HILL, Supervising Architect.

STONE.

THE TRUSTEES OF THE NEW YORK AND BROOKLYN BRIDGE, OFFICE NO. 21 WATER ST., BROOKLYN, AUG. 28, 1877.

Sealed proposals will be received at the office of the New York and Brooklyn Bridge, until 12 M., Monday, Oct. 1, for about twenty thousand cubic yards of granite face, arch, and other stone; also for about three thousand lineal feet of granite parapet stone, for the New York and Brooklyn approaches to the East River Bridge.

Plans can be seen, and specifications obtained, at the Engineer's office, and specifications will be sent upon application at the office of the Trustees.

The proposals must be directed to the Trustees of the New York and Brooklyn Bridge, 21 Water Street, Brooklyn, Indorsed, "Proposals for Stone for Approaches."

W. A. ROEBLING, Chief Engineer.

WAREHOUSE.

THE BOARD OF COMMISSIONERS OF THE LEAF TOBACCO WAREHOUSE FOR THE STATE OF OHIO, UP TO NINE O'CLOCK, A.M., SEPT. 28, 1877, FOR MATERIALS AND WORKMANSHIP NECESSARY TO CONSTRUCT A TOBACCO WAREHOUSE FOR THE STATE OF OHIO, TO BE LOCATED IN THE CITY OF BELLAIRE, AND CONSTRUCTED OF BRICK OR STONE, ACCORDING TO THE PLANS AND SPECIFICATIONS FOR THE SAME, TO BE SEEN AFTER SEPT. 1, 1877, AT THE OFFICE OF J. W. VAN DYKE, ARCHITECT, BELLAIRE, O.

Bids will be received for the whole work, or for the excavation, stonework, brickwork, woodwork, tin, and iron-work, and painting and glazing. Before awarding contracts, good and sufficient security for the proper completion of the work will be required. The right is reserved to reject any or all bids.

ISAAC MORTON, CHAS. HARE, ISAAC WESTNER, Commissioners.

STABLES, etc.

THE TRUSTEES OF THE COLUMBUS HOSPITAL FOR INSANE WILL RECEIVE PROPOSALS UNTIL 12 M., THURSDAY, SEPT. 20, 1877, FOR THE ERECTION AND CONSTRUCTION OF A BUILDING COMPRISING HORSE AND COW STABLES, CARRIAGE-HOUSE, HAY-MOWS, WAGON AND TOOL-HOUSES, &c. Said buildings to be let under the provisions of the act of the late legislature, which provides that each artisan must bid on his own particular branch of work for public buildings, when the aggregate cost of the same exceeds \$10,000. Plans and specifications for the same are now on file at the office of the architect, T. R. TINSLEY, 69 1/2 South High Street, Columbus, O., where all needed information will be furnished. Each bid must be accompanied by a guaranty bond as required. Bids must be sealed and directed to George W. Manypenny, Esq., President of Board of Trustees, and let at the office of the architect. Each bid must have indorsed thereon the character of the work for which the proposal is made. By order of the Board.

T. R. TINSLEY, Architect.

COURT HOUSE.

SEATED PROPOSALS WILL BE RECEIVED FOR THE CONSTRUCTION OF A NEW COURT HOUSE BUILDING FOR HAMILTON CO., TENN., UNTIL 12 O'CLOCK, M., SEPT. 20, 1877, AND MUST BE FOR THE ENTIRE WORK. All proposals must be indorsed, "Bids for New Court House," and filed with W. D. Van Dyke, Architect, Knoxville, Tenn. Bids will be furnished bidders on application. Plans, specifications, and drawings can be seen at the office of A. C. Bruce, architect, Knoxville, Tenn., until the 27th inst., and after that date at the Discount and Deposit Bank, Chattanooga, Tenn. The Commissioners reserve the right to reject any or all bids. The written assent of at least two responsible persons signifying their willingness to become the sureties of the bidder in the contract, to be executed in the event his bid is accepted, must accompany each proposal. W. D. VAN DYKE, Chairman; W. P. BATHURST, TOM CHURCHFIELD, D. C. TREWHITT, J. W. CLIFF, Commissioners for Hamilton County, Tenn.

Aug. 15, 1877.

SCHOOLHOUSE.

PROPOSALS FOR THE ERECTION OF A SCHOOLHOUSE ARE INVITED BY THE BOARD OF EDUCATION OF COLLEGE HILL SCHOOL DISTRICT, HAMILTON COUNTY, OHIO. Bids will be received until 12 o'clock noon of Sept. 13, 1877, at the office of Charles Crapsey, architect, 68 Johnson Building, Cincinnati, O., where drawings and specifications are now on file.

Aug. 15, 1877.

JAIL.

THE BOARD OF COUNTY COMMISSIONERS OF NEBRASKA COUNTY, NEBRASKA, WILL RECEIVE BIDS AT THE MEETING OF SAID BOARD ON SEPT. 19, 1877, AT THE COUNTY CLERK'S OFFICE, IN THE TOWN OF NELSON, SAID COUNTY, FOR THE ERECTION OF A JAIL BUILDING AT NELSON, THE COUNTY SEAT OF SAID COUNTY, IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS AS FURNISHED BY J. BOSTATER, ARCHITECT, LINCOLN, NEB. THE SAME IS ON FILE IN THE CLERK'S OFFICE OF SAID COUNTY. By order of the Board.

JOSEPH VAN VALIN, County Clerk.

PROPOSALS.

LUMBER, IRON, HARDWARE, PAINTS, ETC.

Proposals for Materials to be supplied to the Navy Yards under the cognizance of the Bureau of Construction and Repair.

NAVY DEPARTMENT, BUREAU OF CONSTRUCTION AND REPAIR, WASHINGTON, D.C., Aug. 21, 1877.

Sealed proposals to furnish Timber and other materials for the Navy for the fiscal year ending June 30, 1878, will be received at this Bureau until TUESDAY, 12 o'clock, M., the 25th of September next, at which time the bids will be opened.

The proposals must be addressed to the "Chief of the Bureau of Construction and Repair, Navy Department, Washington," and must be indorsed "Proposals for Timber, etc., for the Navy," that they may be distinguished from ordinary business letters.

To prevent confusion, and to facilitate the opening of the bids, parties bidding for supplies at several yards will enclose their bids in separate envelopes for each yard, indorsed with the name of the yard for which the bid is made.

Printed schedules for such classes as parties deal in and intend to bid for, together with instructions to bidders, giving the forms of proposal, of guaranty, and of certificate of guarantors, with printed forms of offer, will be furnished to such persons as desire to bid, on application to the Commandants of the respective Navy Yards, and those of all the yards on application to the Bureau.

The Commandant of each Navy Yard, and the purchasing Paymaster for each station, will have a copy of the schedule of the other yards for examination only, in order that persons who intend to bid may judge whether it is desirable to make application for any of the classes of those yards.

The proposals must be for the whole of a class, but the Department reserves the right to reduce the whole class, should the interest of the Government require it, before the execution of the contract. All applications for information, or for the examination of samples, must be made to the Commandants of the respective yards.

Bids or offers will be received only from parties who are bona fide dealers in, or manufacturers of, the articles they offer to furnish. The guarantors must be certified by the Collector of Internal Revenue for the district in which they reside.

The contract will be awarded to the person who makes the lowest bid and gives the guaranty required by law, the Navy Department, however, reserving the right to reject the lowest bid, or any which it may deem exorbitant.

Under the provisions of section 3,722 of the Revised Statutes, the offer of any person who, as principal or surety, has been a defaulter in any previous contract with the Navy Department will not be received.

Sureties in the full amount will be required to sign the contract, and their responsibility must be certified to the satisfaction of the Navy Department.

An additional security twenty per centum will be withheld from the amount of the bills until the contracts shall have been completed, and eighty per centum of the amount of each bill, approved in triplicate by the Commandants of the respective yards, will be paid by the Paymaster of the station designated in the contract, or, if none is specified, by the Paymaster of the station nearest the yard where the goods are delivered, within ten days after the warrant for the same shall have been passed by the Secretary of the Treasury.

The classes of this Bureau are numbered and designated as follows:

- No. 4, White Oak Plank - Oregon Pine Deck Plank at Mare Island yard; No. 7, Yellow Pine Logs - Oregon Pine Logs at Mare Island yard; No. 8, Yellow Pine Beams - Oregon Pine Beams at Mare Island yard; No. 9, Yellow Pine Mast Timber; No. 13, White Pine Plank Boards - Sugar Pine Plank and Boards at Mare Island yard; No. 15, White Ash, Elm, Beech - White Ash and Redwood at Mare Island yard; No. 16, White Ash Oars; No. 18, Black Walnut, Mahogany, Maple, Cherry; No. 22, Cypress, Cedar; No. 23, Black Spruce; No. 28, Lignumvita; No. 32, Wrought Iron, round and square; No. 33, Wrought Iron, flat; No. 34, Iron, plate; No. 35, Steel; No. 37, Iron Spikes; No. 38, Iron Wrought Nails; No. 39, Iron Cut Nails; No. 42, Lead, pipe, sheet; No. 43, Zinc; No. 44, Tin; No. 48, Locks, Hinges, Bolts, of brass and iron; No. 49, Screws, of brass and iron; No. 50, Files; No. 51, Augers; No. 52, Tools for ship stores; No. 53, Tools for use in yard and shops; No. 54, Hardware; No. 55, White Lead; No. 57, Zinc Paints; No. 58, Colored Paints, Dryers; No. 59, Linseed Oil; No. 60, Varnish, Spirits Turpentine; No. 63, Spirit and Lead Oil; No. 64, Tallow Soap; No. 65, Fish Oil; No. 68, Glass; No. 69, Brushes; No. 70, Dry Goods for upholstery; No. 71, Stationery; No. 72, Crucibles; No. 73, Ship Chandlery; No. 74, Acids; No. 75, Rosin, Pitch, Crude Turpentine; No. 77, Belting, Packing; No. 78, Lecher, pump, raising, incing; No. 80, Junk; No. 83, Anthracite Coal; No. 87, Bituminous Coal; No. 88, Charcoal, Coke; No. 89, Wood.

The following are the classes, by the numbers, required at the respective navy yards: -

PORTSMOUTH.

- Nos. 4, 13, 15, 16, 18, 25, 22, 33, 35, 39, 42, 44, 48, 49, 50, 52, 53, 54, 56, 57, 58, 60, 63, 68, 69, 70, 71, 73, 74, 77, 78, 85, 87.

BOSTON.

- Nos. 13, 15, 16, 18, 25, 35, 38, 39, 42, 48, 49, 50, 53, 53, 54, 56, 58, 59, 60, 63, 64, 68, 69, 70, 71, 73, 74, 75, 77, 78, 85, 88.

NEW YORK.

- Nos. 9, 10, 22, 23, 32, 37, 42, 43, 44, 48, 49, 50, 51, 52, 53, 54, 56, 57, 58, 59, 60, 63, 64, 68, 69, 70, 71, 72, 73, 74, 77, 78, 80, 85.

LEAGUE ISLAND.

- Nos. 9, 18, 23, 25, 34, 38, 39, 42, 48, 49, 50, 52, 53, 54, 56, 58, 60, 63, 64, 69, 70, 71, 73, 75, 78, 85, 87, 88.

WASHINGTON.

- Nos. 9, 22, 23, 32, 39, 44, 48, 49, 50, 51, 52, 53, 54, 56, 57, 58, 60, 63, 64, 68, 69, 70, 71, 72, 73, 74, 75, 77, 78, 87, 88, 89.

NORFOLK.

- Nos. 9, 12, 15, 16, 18, 22, 25, 32, 33, 34, 35, 37, 39, 44, 48, 49, 50, 52, 53, 54, 56, 57, 58, 59, 60, 63, 64, 68, 69, 70, 71, 73, 77, 78.

MARE ISLAND.

- Nos. 7, 8, 9, 13, 16, 24, 32, 35, 42, 43, 44, 48, 49, 50, 51, 52, 53, 54, 56, 57, 58, 59, 60, 63, 64, 68, 69, 70, 71, 73, 78, 85.

BOILER RIVETS.

NAVY DEPARTMENT.

BUREAU OF STEAM ENGINEERING

WASHINGTON, AUG. 17, 1877.

Sealed proposals, indorsed on envelope "Proposals for Boiler Rivets," will be received at this Bureau until 12 o'clock, M., Monday, the seventeenth day of September, 1877, for about 27,500 pounds boiler rivets, varying from three-quarters of an inch to one inch in diameter, and from two inches to seven and a half inches long, of which about 20,000 pounds are to be delivered in United States Navy-Yard at Washington, and the balance in Norfolk Navy-Yard, on or before the fifteenth day of October, 1877.

They are to be made of the very best quality of riveting iron, and subject to inspection and test when delivered. No bids will be received, except direct from known, reliable manufacturers of this article, and only upon blank forms, which may be obtained upon application to this Bureau, together with the schedule and sizes of rivets.

The right is reserved to reject any bid not deemed advantageous to the government.

Responsible security will be required for the faithful delivery of the rivets in conformity to the requirements of the schedule. W. H. SHOOK, Chief of Bureau.

DAVIS TILLSON, PROPRIETOR HURRICANE ISLAND.

Contractor for all kinds of Rough, Cut, and Polished

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Hurricane Island is about twelve miles from Rockland, Me. It contains some hundred acres, is composed wholly of huge masses of granite of excellent quality, free from iron, rust, lying in such manner as to afford the very best facilities for obtaining unlimited quantities, especially if very large stones are required. The Company has very extensive boarding-houses, shops, and stone sheds, commodious wharves, with twenty feet of water at low tide. They have also railroads, Tillson's Powerful Patent Steam Cranes, of which the proprietor of the Island is sole owner, together with many other original appliances for quarrying and handling granite cheaply and expeditiously. The superstructure of the new U. S. Custom House and Post Office at St. Louis, Mo., a very beautiful and costly building, is furnished exclusively by this Company. Steamer Hurricane leaves Rockland at 12.30 P.M., daily, returning same afternoon.

BAY OF FUNDY RED GRANITE CO.,

St. George, N.B., Dominion of Canada.

RED AND GRAY GRANITES.

For Building and Monumental purposes, furnished to order.

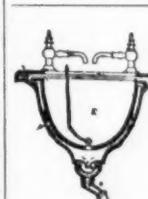
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ROBERT ELLIN, General Agent, U. S.

ELLIN & KITSON, Architectural Sculptors.

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PROTECT YOUR HOUSES AGAINST Damage by Water, BY USING

Wellington's Patent Wash-Bowl.

The use of this new and invaluable improvement precludes all possibility of overflow, by which buildings are so often damaged to the extent of thousands of dollars.

It can be introduced at the cost of the ordinary wash-bowl.

This guaranty accompanies every basin sold to our patrons: -

We hereby pledge ourselves to remove our basins, and replace them with any other kind now in use, that parties interested may select, without expense to them, immediately on their failure to fulfil the following conditions, provided the trap is kept in running order: -

1st. We warrant our trap to remain free and open as long or longer than any other trap used with wash-bowls, and they are easily cleaned in case of stoppage.

2d. No overflow or leakage of any kind will occur.

3d. No sewer gas will escape from the drain or pipe, or any offensive smell arise from them.

4th. These bowls will remain free and clear from any accumulation of soap or grease or other offensive matter in the space between the inner and outer bowls.

For descriptive circulars, address

L. S. MOORE & CO., 40 Oliver Street, Boston.

GEO. DWIGHT, JR., & CO.,

Builders in Iron, and Engineers in Fire-Proof Construction,

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HAVE for many years given their exclusive attention to FIRE-PROOF CONSTRUCTION; and they now invite the correspondence of Architects to the following specialties which hereafter will constitute the leading items of their business:

FIRE-PROOF FLOORS. The only floors that have stood fire in this country.

FIRE-PROOF ROOFS. Refer to Equitable Life Insurance Company's Building at Boston.

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FIRE-PROOF LATH. In the words of one of the best-known architects of this country, "Minimum of metal, maximum of stiffness, maximum of clinch; the best lath ever made, either wood or iron." See New York Post-Office; State Department, Washington; Equitable Life Insurance Company's Buildings, and many others.

Mr. HOYT will be pleased to wait upon Architects, when desired, to explain our methods, and to present for inspection construction plans and estimates for any specific work.

MASS. INSTITUTE OF TECHNOLOGY.

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THE COURSE IN ARCHITECTURE embraces, besides the necessary scientific and mathematical studies, the study of architectural art history, and the constant practice of original design.

Special students in Architecture are received into a two-years' special course.

The work of the school is exhibited at Philadelphia, in the East Gallery of the Main Building.

For particulars address WILLIAM R. WARE, Esq., Professor of Architecture, or DR. SAMUEL KNEELAND, Secretary BOSTON, Aug. 1, 1877.

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Electric Bells, Annunciators, Burglar Alarms for Dwellings, Signalling Apparatus for Asylums and Public Institutions, complete Electrical outfits for Hotels, Colleges, &c. - Physical Apparatus for Scientific Experiments; Brush's Machine for Electric Light and Electro-Plating; Telegraph Instruments, Batteries, and supplies.

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# AMERICAN ARCHITECT

## AND BUILDING NEWS

A WEEKLY JOURNAL OF CONSTRUCTIVE AND DECORATIVE ART.

Vol. II. No. 90.]

SATURDAY, SEPTEMBER 15, 1877.

[PRICE 15 CENTS.]

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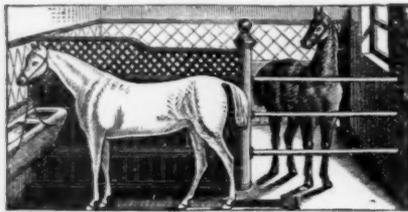
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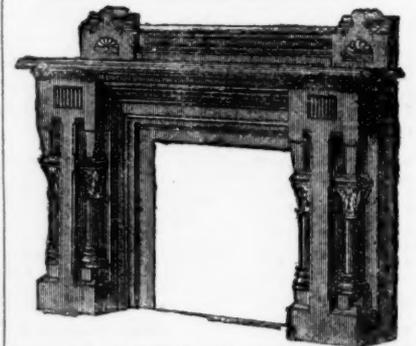
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**BUILDING INTELLIGENCE.**

[Reported for the American Architect and Building News.]

**A RECORD.**

Showing how buildings recently burned are to be replaced.

**CINCINNATI, O.**—The building occupied by Ser. Longley & Co., which was burned Aug. 7, is not to be rebuilt. But Mr. Longley will build upon another site a brick and stone building, two stories high, covered by an iron roof and divided into separate compartments. Mr. Longley is his own architect.

**NASHVILLE, TENN.**—The building which was occupied by Breneman & Co. as a vinegar factory, and which was burned Aug. 1, is to be replaced by a brick building measuring 110' x 42' and three stories high. It is to be built by Mr. P. L. Hedrick, builder, from drawings prepared by M. Stockell (Chief Fire Department), and is to be used by J. R. Breneman as a vinegar factory.

**SUMMARY OF THE WEEK.**

Reports from the Principal Cities and Towns of the Country.

**Boston.**

**BRICK BUILDINGS.**—The business of issuing permits in this line still continues dull. The following are reported: John Quirk, car house, 60' x 120, for the Metropolitan Railroad (West Roxbury); M. Meehan, stable; Andrew Anderson, dwelling, 24' x 42'.

**WOODEN BUILDINGS.**—The following permits have recently been issued for wooden buildings, which comprise dwellings, manufactories, stables, etc.: To William S. Sumner, Wm. H. Lee, Hargrave & Son, Earle Wyman, Richard Sullivan, A. P. Clifford, Francis Carr, David A. Berry.

**CONTRACTS.**—The Water Board has awarded contracts to David H. Jacobs for the building of the gate-house at Farm Pond for \$8,507, and for the building of the superstructure of farm-waste weirs on the line of the Sudbury River conduit for \$2,191 each; also to Benjamin F. Dewing & Co., for the building of the superstructure of the east and west siphon chambers in Needham, the first for \$6,953, and the second for \$9,237.

**PILES AND FOUNDATIONS.**—Proposals for driving the piles and laying the foundations for the new Latin and English High schoolhouses will be published next week. The plans will be open for the inspection of bidders on the lot off Montgomery Street. A bond of \$3,000 will be required of each bidder to insure the committee that the bid is made in good faith. It will be remembered that this contract was awarded to S. J. Tuttle for \$27,991, but he declined to fulfill the contract. Other parties who put in low bids also withdrew. The bond of \$3,000 will undoubtedly put an end to this sort of bidding, so far as this particular contract is concerned.

**REPAIRS.**—About a dozen permits daily are issued for repairs at the present time.

**SANDSTONE.**—Jamieson & Alkens, awarded the contract for furnishing the sandstone for the Weston-street schoolhouse, decline to fulfill the same. The next lowest bidder is Edward F. Meaney.

**THE NEW SEWER.**—The contract for boring for soundings preparatory to the location of the tunnel section of the new sewer has been awarded at 73 cents per foot.

**WATER CONTRACTS.**—The proposals for laying 48-inch pipes in Reservoir No. 1 in Framingham have been opened by the Water Board. The bids were as follows:—

A. A. Hall & E. S. Safford, Boston	\$8,514
John Phelan, Natick	8,557
Lawrence McLaughlin, Watertown	11,524
James J. Newman & Co., Providence	12,470
F. J. Condon, Jersey City	12,642
Fuller & Nash, Worcester	13,780
Miles Tierney, Jersey City	14,190
Charles Brown, Mohawk, N.Y.	16,454
Clinton Beckwith, Herkimer, N.Y.	17,114

The contract has been awarded to J. J. Newman & Co., of Providence.

**Chicago.**

**REPORT OF BUILDINGS FOR AUGUST, 1877.**—Number of buildings, 135; frontage 3,065'; number of buildings without basements, 12; one story, 33; two stories, 6; three stories, —; with basements, one story, 1; two stories, 47; three stories, 28; four stories, 7; five stories, 1. Brick fronts, 80; stone fronts, 55. Stores, 13; stores and dwellings, 21; dwellings, 57; manufactories, 3; church, 1; public and offices, 6; barns, 26; warehouses, 8. Cost \$724,000.

**Cincinnati.**

**AQUARIUM.**—The aquarium and winter garden is about to be built at the head of the Clifton Inclined Plane; Mr. McLaughlin is the architect. The building will be about 50' x 150'.

**STORES.**—Plans have been prepared by Mr. George P. Humphries, architect, for the improvement of the south-east corner of Fifth and Main Streets. The site is diagonally opposite the new Government Building, and at the end of the open square of which the fountain and esplanade form a part; 65 feet on Main Street, and 63 feet on Fifth Street. The corner is round, and the building will have a round tower above the roof. Pressed brick, with Ohio stone finish, will be used on both façades. There will be two stories below, and five above the street, excepting the corner which will have seven above the street. The second and third stories of one portion are arranged to let as offices. The entire building is estimated to cost \$70,000.

**Cleveland, O.**

**RESIDENCE.**—A fine residence is being built upon Euclid Avenue near Sterling, for Judge R. P. Ranney. It is to be two stories in height with high Gothic roofs. The exterior is to be faced with rock-faced Independence stone. The interior is to be finished in hard wood; mantles and other furniture to correspond; all designed by the architect, Mr. L. A. Heard. It will cost about \$20,000.

**MANUFACTORY.**—Mr. G. W. Calkins is building a four-story building for manufacturing purposes, at the corner of Main and Centre Streets. It is to be 100' on Main Street, and 44' on Centre Street, and will cost about \$7,000. Mr. John Gawne is the contractor for mason's work, and S. C. Brooks & Co. for carpenter's work.

**New York.**

**BUILDINGS PROJECTED FOR THE WEEK ENDING SEPT. 11.**—Eleven in number, consisting of stores, dwellings, offices, etc. Total cost, \$78,000.

Owners.	Architects.	Builders.
James Williams		
A. G. Fell	M. C. Cogswell	
W. Ofermann	A. H. Blankenstein	
Adam Herman		Adam Herman
Mrs. McDonnell	B. Auld	
John Cloesmann	F. S. Barnes	
W. Livingston		B. Weeks
E. Johnston		Cook & Higgins
M. S. Woodmanley	R. F. Friable	
John R. Ford	A. M. Ross	G. L. Baxter
Nelson Simpson		

**A NEW PUBLIC SCHOOL.**—The Board of Trustees of the Eleventh Ward invite proposals for a school site in that ward, to be located between Sixth and Eighth Streets, and Avenues B and C; the dimensions to be not less than 75 feet front and rear, by 100 feet in depth.

**Philadelphia.**

**OFFICE BUILDINGS.**—The holders of the Girard estate are to build on Third Street an office building containing twenty-two offices; also on Hudson and Harmony Streets, an office building 58' x 102' and containing thirty-two offices.

**REVIEW OF THE MONTH.**—The whole number of permits issued by the Building Inspectors during the month of August for the erection and improvement of new structures was 406, as follows: Dwelling-houses, two-story 200; do. three-story, 129; do. four-story, 2; store and dwelling, two-story, 1; do. three-story, 9; stores, 7; boiler-houses, 2; warehouse, 1; picker-house, 1; shop, 1; engine-house, 1; office, 1; dye-house, 1; slaughter-houses, 2; storehouse, 1; fermenting-room, 1; bank, 1; factories, 2; schoolhouses, 3; stables, 10.

**St. Louis.**

**BUILDING PERMITS.**—Total number of building permits issued for the week ending Sept. 7, forty-two. Of these twelve were for frame buildings of small value. The remainder were for brick buildings. Those for \$2,500 and over were as follows:—

Owners.	Use.	Stories.	Rooms.	Cost.
F. W. Spilker	Dwelling	2	6	\$3,300
Mrs. L. V. S. Ames	"	2	10	7,000
Dr. Brancome	"	3	8	3,500
Oully & Sellers	"	2	36	7,000
J. Chinitz	"	3	8	3,500
Wm. Pettis	"	3	16	5,000
Mrs. E. Walton	"	2	16	7,500
Judge C. Speck	"	3	8	4,000

**General Notes.**

**BROOKLYN, N.Y.**—C. C. Bush, Esq., architect, of New York, has furnished plans for a new Homoeopathic Dispensary, which is to be built at once in the Eastern District.

**CONCORD, N.H.**—The commission to build a new State Prison have selected a lot for the buildings, containing 24 acres, on the west side of the road leading to West Concord, about a mile and a half above the city.

**COVINGTON, KY.**—A recent visit to the Government Building shows that it is about ready for the roof timbers. It is built of Greensburg, Ind., and limestone laid in irregular courses, rough on the face. This stone is of a light bluish color. The finish is of Ohio freestone, and is very rich; the carvings are very bold in

treatment and in execution. The building will reflect credit upon the architect, Mr. W. A. Potter.

**LOWELL, MASS.**—Mr. Samuel Parsons is now building a large four-story brick and granite front building, on Middlesex Street next to the "Dresser Hotel," for stores and offices.

Mr. George Runals, the well-known contractor, is now finishing up a large block, which is situated at the corner of Gorham and Appleton Streets. The corner of the building is cut off at the angle of the streets and leaving or making it about ten or twelve feet across the face; and with the ornamental brick work, it gives a very pleasing effect.

**JEWETT CITY, CONN.**—The corner-stone of the new Congregational church to cost \$15,000 to \$20,000, was laid Sept. 3.

**KANSAS CITY, MO.**—Work has been begun on the Grand Union Depot. It will cost \$100,000. Bernard Malone is contractor for stone-work and foundation.

**MEREDOSIA, ILL.**—The corner-stone of the new M. E. church was laid Aug. 6.

**MR. MORIAH, MD.**—The corner-stone of a new church was laid Sept. 10.

**NEW BEDFORD, MASS.**—The Potomska company's new mill at New Bedford is to be built by C. F. & J. M. Hall of Providence, and will be 318 feet long by 92 wide, four stories high.

**NEW BRITAIN, CONN.**—A new schoolhouse is to be built at a cost not exceeding \$3,500.

**OXFORD, DEL.**—The corner-stone of a new Roman Catholic church was laid Aug. 29.

**PITTSFIELD, MASS.**—The corner-stone of the new House of Mercy at Pittsfield was laid on Saturday, Sept. 1. Much eulogy was bestowed upon the ladies who have so successfully carried on the enterprise. It is proposed hereafter to make the institution as far as possible a county hospital, to receive patients from all the towns in Berkshire.

**RUTLAND, VT.**—The commission on the new State workhouse and county jail have accepted the plan drawn by W. P. Wentworth of Boston. The cell department for men will be 138' long by 33' wide, with three tiers surrounding guard-rooms, and a chapel in the centre. North of this is the hospital and women's department, 100' x 26'; and in the other side, the workhouse and receiving room, 85' x 26'. The superintendent's house is directly in front of the men's building, and connected with it.

**SEABRIGHT, N.J.**—J. H. Giles, architect, of 59 William Street, New York, has furnished plans for a new hotel at Seabright, N.J.

**INDEX OF CURRENT WORK.**

Giving information concerning important buildings now unfinished.

**Boston, Mass.**

**CHURCH.**—Cost \$75,000. Mr. John Welch, architect, Brooklyn, N.Y.  
**HOTEL.**—Hotel Sumner. E. B. Horn, owner. Messrs. Appleton & Stephenson, architects, Boston, Mass.  
**HOTEL.**—Hotel Comfort. \$80,000. L. Weissbein, architect. W. Sheafe, owner.  
**HOTEL.**—Creighton House. C. Fehmer, architect.  
**POST OFFICE.**—Jas. G. Hill, Supervising Architect Treasury Dept.  
**SCHOOLHOUSE.**—High and Latin School. G. A. Clough, architect.

**Brooklyn, N.Y.**

**CONCERT GARDEN.**—F. H. Coles, architect. Cost, \$50,000.  
**HOSPITAL.**—Church Charity Foundation of the Protestant Episcopal Diocese of Long Island. N. L. Derby, architect, N.Y.  
**SCHOOLHOUSE.**—Corner 6th Avenue and 8th Street.

**Chicago, Ill.**

**APARTMENT HOUSE.**—C. P. Thomas, architect. \$16,000.  
**CHURCH.**—Jefferson Park Presbyterian. J. C. Cochran, architect.  
**STORE.**—D. W. Kendall, architect \$32,000.

**Cincinnati, O.**

**STORE.**—Alms & Doepke, owners. Hannaford & Procter, architects.  
**MUSIC HALL.**—Hannaford & Procter, architects.

**Cleveland, O.**

**CONVENT.**—Ursuline Academy. L. A. Heard, architect. \$120,000.  
**HIGH SCHOOL.**—Brooks & Linus, contractors. L. T. Scofield, architect. \$73,890.  
**CHURCH.**—Heights Congregational Church. Walter Blythe, architect.  
**BLOCK OF STORES.**—Corner Erie Street and Woodland Avenue. Griese & Welle, architects and builders.  
**PUBLISHING HOUSE.**—Evangelical Publishing Association. \$45,000. J. M. Blackburn, architect.

**Hartford, Conn.**

**TRINITY COLLEGE.**—F. H. Kimball, supervising architect.  
**ORPHAN HOME.**—F. H. Kimball, architect.

**New York.**

**CONVENT OF THE SISTERS OF ST. JOHN.**—E. G. Little, architect.  
**CHURCH.**—Roman Catholic Church, West Fifteenth Street. Cost \$150,000.  
**ORIENT INS. CO'S. BUILDING.**—A. H. Thorp, architect. \$125,000.  
**QUEEN'S INS. CO'S. BUILDING.**—Clinton & Pirsson, architects. \$100,000.  
**STORE.**—G. Thomas, architect. Cost \$20,000.

**Philadelphia.**  
**CHURCH.**—Central Presbyterian Church, Collins & Autenreith, architects. G. Watson, builder.  
**HOSPITAL.**—Presbyterian Hospital, Wilson Bros., architects.  
**THEATRE.**—Chestnut Street Theatre.  
**General.**  
**AKRON, O.**—First Universalist Church. \$35,000 F. O. Weary, architect.  
**ANDERSON, IND.**—Asylum. M. E. May, architect, Indianapolis, Ind.  
**ANN ARBOR, MICH.**—Court House. Mr. Bunting, architect, Indianapolis, Ind.  
**ARCADIA, WIS.**—Court House and Jail. C. G. Maybury, architect, Winona, Minn. \$25,000.  
**BALTIMORE, MD.**—Church of St. Michael and All Angels. \$80,000. Wyatt & Sperry, architects.  
**BELFAST, ME.**—Masonic Temple. G. M. Harding, architect, Boston, Mass.  
**BUFFALO, N. Y.**—St. Peter's Evangelical Church. M. E. Beebe, architect.  
**CHATTANOOGA, TENN.**—Court House. A. C. Bruce, Knoxville, Tenn., architect.  
**DES MOINES, IO.**—State House. Bell & Hackney, supervising architects.  
**FARIBAULT, MINN.**—Deaf, Dumb, and Blind Asylum. J. Babcock & Co., contractors. \$33,430.  
**GALVESTON, TEX.**—Cotton Exchange. Gibbs & Moser, architects.  
**GARDEN CITY, L.I.**—Stewart Memorial Church. H. G. Harrison, architect.  
**GOSHEN, IND.**—Opera House. \$22,000. Noble & Son, owners.  
**GREENSBURG, IND.**—Hotel. \$18,000. Kitchen & Gibson, architects, Indianapolis.  
**HARTFORD, CONN.**—Trinity College. T. H. Kimball, supervising architect.  
**HOBOKEN, N.J.**—St. Mathew's Church. Mr. H. Englebert, architect, New York.  
**JERSEY CITY.**—Catholic College. L. O'Connor, architect.  
**JOLIET, ILL.**—St. Mary's (R. C.) Church. Mr. Kelly, architect, Brooklyn.  
**NORTHAMPTON, MASS.**—Church. Peabody & Stearns, architects, Boston, Mass.  
**OHIO CITY, PA.**—Exchange. \$75,000. J. M. Budge, jun., architect.  
**OMAHA, NEB.**—Union Pacific Railroad Depot. Cost, \$100,000.  
**PORTSMOUTH, N.H.**—Opera House. Heirs of John W. Peirce, contractor.  
**ROME, GA.**—Shorter Female College. J. A. Cooley, contractor.  
**SACRAMENTO, CAL.**—Masonic Hall. Carle & Croly, contractors.  
**SING SING, N.Y.**—Methodist Church. Cost \$48,000.  
**SPRINGFIELD, ILL.**—State House. J. C. Cochran, architect.  
**WABASH, IND.**—Court House. B. V. Enos & Son, architects. Cost \$100,000.  
**WATERBURY, CONN.**—Methodist Church. \$40,000.  
**WAUKESGA, ILL.**—Court House. H. C. Koch, architect. Cost \$40,000.  
**ZANESVILLE, O.**—Hotel. H. E. Myers, architect. Black & Graham, owners. \$75,000.

**Publishers' Department.**

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**BUILDING SPECIALTIES.**

—Messrs. H. B. Jones & Co., 612 Washington Street, have received an assortment of English wall-papers of the newest designs, which will doubtless interest many who are engaged in matters of interior decoration.  
 —Mineral wool is recommended by the manufacturers to be used for various purposes in building. It is claimed that it prevents freezing, cooling, and condensation, arrests the spread of fire, deafens walls and floors, and that it is good for use in fire-proof safes and vaults. Alexander D. Elbers, 26 1/2 Broadway, New York, is agent for the patentee.  
 —The proposed removal of the Shelton (Conn.) zinc-mill, never abandoned, is being actively agitated once more; and St. Louis or New York, between which the choice of location lies, may yet become the seat of this industry.  
 —The individuals composing the firm McConnell, Towne, & Co., of Sciotoville, O., have incorporated their company under the name of "Scioto Star Fire-Brick Works."  
 —Mr. Donald MacDonald, No. 6 Hayward Place, is prepared to receive orders for stained glass and decoration.  
 —Business is reported as lively at the Cleveland rolling-mills. Bessemer-steel and iron rails and fastenings, boiler-plate tire, axles, galvanized and black sheet-iron, and corrugated roofing and siding, besides spring-steel and iron of all kinds, are among the manufactured articles of this company at their various shops.  
 —Rouse & Waterbury, manufacturers of stoves, ranges, and hollow-ware, have at their salesrooms, No. 163 River Street, Cleveland, a newly-patented, first-class range—the Windsor—which is very highly recommended. A new Franklin parlor-stove of great merit is also among their latest patterns.  
 —In hardware, the fall trade has opened quite satisfactorily at the principal centres. There are but few changes to note in prices.  
 —Attention is directed to the advertisement of Mus-

grave & Co. of Belfast, Ireland, on page iv. In its special lines of business this house ranks among the first in the world.  
 —Mr. P. B. Wight of Chicago is the consulting architect for Meaker's Automatic Fire Protecting Hatchway Closers and Life-Saving Guard-Gates for open shafts, and self-acting doors for closed shafts. His address is No. 97 Washington Street.  
 —The Lake Shore Foundry at Cleveland has lately produced a cast-iron pipe with six-foot aperture, to be used, probably, in the place of a stone culvert. The iron is 1 1/2 inch thick, which makes the pipe capable of sustaining great pressure. Each one weighs three tons, and they are to be used for railroad purposes.  
 —The progress made in the fire-proof construction in the West is evinced by the introduction of Wight's fire-proof columns, which have been successfully used in some of the finest buildings of Chicago and Milwaukee, notably the Chicago Club House and the great Mitchell Building of Milwaukee. In the latter building not a particle of the constructive iron-work is exposed to the possible action of fire, and in this respect it stands alone among the fire-proof buildings of America. Protected columns are now being introduced for store work, where a fire on the first floor or basement in a building having rows of iron columns in the centre on each floor might cause the collapse of an entire building before the fire had made much headway. In Chicago wooden posts are being destroyed by dry-rot, and have been discarded in many places. A careful study of the philosophy of fires must result in an improvement in the construction of all classes of buildings in this respect. Any thing that conduces to a slow fire, or that will give firemen an opportunity to operate in time, will save property quite as much in the long run as the adoption of an absolutely incombustible construction in a few buildings only.

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**ARCHITECTS' AND ENGINEERS' STATIONERY.**

WADSWORTH BROS. & HOWLAND, No. 76 Washington Street, Boston, have opened an entirely new stock of Stationery used by Architects and Engineers, which include Tracing Cloth, Tracing Paper, Mounted Papers, Whatman's Superior Drawing Paper, White and Tinted Roll Paper, English and French Crayon Paper, Rubber and Wood Triangles, T-Squares, Mathematical Instruments, &c. Architects and Builders are reminded that our celebrated Bay State Colors are the Best Paints in the market.  
 WADSWORTH BROS. & HOWLAND, dealers in Painters' Supplies and Artists' Materials, 76 WASHINGTON STREET, BOSTON.

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 It emits no poisonous gas like other paints while drying. Its surface is a perfect enamel, from which any specks of dirt may easily be removed.  
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**PROPOSALS.**

**SLATING, GALVANIZED IRON WORK, ETC.**

Proposals for Slating, Galvanized Iron Work, etc., for the roof of the U. S. Court House and Post Office at Lincoln, Neb.

OFFICE OF THE SUPERVISING ARCHITECT, TREASURY DEPARTMENT, WASHINGTON, D.C., Sept. 4, 1877.

Sealed proposals will be received at this office until 12 M., on the 20th day of September, 1877, for all the Slaters' Work and Galvanized Iron Work, including wrought iron flues and great railing, required for the roof of the U. S. Court House and Post Office at Lincoln, Neb., in accordance with drawings and specification.

Copies of drawings and specification, and any additional information, may be had on application at this office or the office of the Superintendent.

JAS. G. HILL, Supervising Architect.

**SLATERS' AND COPPER WORK.**

Proposals for Slaters' and Copper Work for roof of U. S. Appraisers' Stores, San Francisco, Cal.

OFFICE OF THE SUPERVISING ARCHITECT, TREASURY DEPARTMENT, WASHINGTON, D.C., Sept. 4, 1877.

Sealed proposals will be received at this office until 12 M., on the 15th day of October, 1877, for all the Slaters' Work and copper work required for the roof of the U. S. Appraisers' Stores at San Francisco, Cal., in accordance with drawings and specifications.

Copies of drawings and specifications, and any additional information, may be had on application at this office or the office of the Superintendent.

JAS. G. HILL, Supervising Architect.

**PROPOSALS FOR POST-OFFICE LOCK FRONTS FOR LETTER BOXES FOR U. S. Post-Offices.**

OFFICE OF SUPERVISING ARCHITECT, TREASURY DEPARTMENT, WASHINGTON, D.C., Aug. 31, 1877.

Sealed proposals will be received until 12 M., on the first day of October, 1877, for supplying and delivering at this office from time to time, locks, doors, and frames for letter-boxes, and metallic fronts with locks for drawers, etc., for United States Post-Offices. Copies of specifications and additional information may be had on application at this office.

JAS. G. HILL, Supervising Architect.

**STONE.**

BROOKLYN, N.Y.

The Trustees of the New York and Brooklyn Bridge, Office No. 21 Water St., Brooklyn, Aug. 28, 1877.

Sealed proposals will be received by the Trustees of the New York and Brooklyn Bridge, until 12 M., Monday, Oct. 1, for about twenty thousand cubic yards of granite face, arch, and other stone; also for about three thousand lineal feet of granite parapet stone, for the New York and Brooklyn approaches to the East River Bridge.

Plans can be seen, and specifications obtained, at the Engineer's office, and specifications will be sent upon application at the office of the Trustees.

The proposals must be directed to the Trustees of the New York and Brooklyn Bridge, 21 Water Street, Brooklyn, indorsed, "Proposals for Stone for Approaches."

W. A. ROEBLING, Chief Engineer.

**STABLES, etc.**

COLUMBUS, O.

The Trustees of the Columbus Hospital for Insane will receive proposals until 12 noon, Thursday, Sept. 20, 1877, for the erection and construction of a building comprising horse and cow stables, carriage-house, hay-mows, wagon and tool-houses, &c. Said buildings to be let under the provisions of the act of the late legislature, which provides that each artisan must bid on his own particular branch of work for public buildings, when the aggregate cost of the same exceeds \$10,000. Plans and specifications for the same are now on file at the office of the architect, T. R. Tinsley, 623 South High Street, Columbus, O., where all needed information will be furnished. Each bid must be accompanied by a guaranty bond as required. Bids must be sealed and directed to George W. Manypenny, Esq., President of Board of Trustees, and left at the office of the architect. Each bid must have indorsed thereon the character of the work for which the proposal is made. By order of the Board.

T. R. TINSLEY, Architect.

**IRON WIRE ROPE SOCKETS.**

BROOKLYN, N.Y.

Sealed proposals will be received by the Trustees of the New York and Brooklyn Bridge, until the 1st day of October, 1877, for the manufacture and delivery of about 1,300 wrought iron wire rope sockets. Drawings will be sent at the Bridge Office. A tracing and specifications will be sent upon application.

The bids must be addressed to the trustees of the New York and Brooklyn Bridge, No. 21 Water street, Brooklyn, and marked "Proposals for Sockets."

W. A. ROEBLING, Chief Engineer.

**STONE.**

UTICA, N.Y.

Proposals for dimension stone, rubble stone, bricks, cement, and sand for the basement and area walls of the United States Court-House and Post-Office at Utica, N.Y.

OFFICE OF THE SUPERVISING ARCHITECT, TREASURY DEPARTMENT, WASHINGTON, D.C., Sept. 4, 1877.

Sealed proposals will be received at this office until 12 M., on the twentieth day of September, 1877, for furnishing and delivering at the site of the United States Court-House and Post-Office at Utica, N.Y., the following materials required for the construction of the basement and area walls of that building; 5,800 cubic feet, more or less, dimension stone, which may be granite, marble, limestone, or sandstone; 600 cubic yards, more or less, rubble stone, which may be granite, marble, limestone, or sandstone; 225 M. more or less, hard burned, common brick; 800 barrels, more or less, cement; and 200 cubic yards, more or less, clean sharp sand. Copies of specification and condition of submitting bids, together with any additional information, may be had on application at this office or the office of the superintendent of the building.

JAS. G. HILL, Supervising Architect.

**COURT HOUSE.**

NORLESTVILLE, IND.

Proposals will be received by the Board of Commissioners of Hamilton County, Indiana, at the office of the Auditor of said county, up to 9 o'clock, A. M., on Saturday, September 29, 1877, for the erection and completion of a first-class court house, in accordance with the general specifications and drawings prepared by Edwin May, architect, to be seen at the Auditor's office, Noblesville, Indiana, and at the office of the architect, Nos. 5 and 6 Glenn's Block, Indianapolis, where printed forms for bids can also be obtained. Bond required, \$75,000. Payments will be made as follows: On estimates made by the architect every thirty days, ninety per cent, reserving ten per cent until the contract is complete. The building to be completed in all its parts on or before the 1st day of June, 1879. The foundation to be completed up to the grade line the present year. For all further information apply to the undersigned. By order of the County Commissioners.

C. S. W. PETTICHOHN, Auditor.

**PROPOSALS.**

**JAIL.**

NELSON, NEB.

The Board of County Commissioners of Nuckolls County, Nebraska, will receive bids at the meeting of said Board on Sept. 13, 1877, at the County Clerk's office, in the town of Nelson, said county, for the erection of a Jail Building at Nelson, the county-seat of said county, in accordance with the plans and specifications as furnished by J. Bostater, architect, Lincoln, Neb. The same is on file in the clerk's office of said county. By order of the Board.

JOSEPH VAN VALIN, County Clerk.

**WAREHOUSE.**

BELLAIRE, O.

Proposals will be received by the Board of Commissioners of the Leaf Tobacco Warehouse for the State of Ohio, up to nine o'clock, A.M., Sept. 25, 1877, for materials and workmanship necessary to construct a Tobacco Warehouse for the State of Ohio, to be located in the city of Bellaire, and constructed of brick or stone, according to the plans and specifications for the same to be seen after Sept. 1, 1877, at the office of J. W. Yost, Architect, Bellaire, O. Bids will be received for the whole work, or for the excavation, stone work, brickwork, woodwork, tin, and iron-work, and painting and glazing. Before awarding contract, good and sufficient security for the proper completion of the work will be required. The right is reserved to reject any or all bids.

ISAAC MORTON, CHAS. HARE, ISAAC WESINER, Commissioners.

**SEWERS.**

CITY OF BOSTON.

Sealed proposals will be received at City Hall, till 12 M., on WEDNESDAY, Sept. 19, for building the following sewers:

Jenkins street.....	1000 feet,	12 inch	pipe.
Crawford ".....	250 "	12 "	"
Private land.....	200 "	30 "	brick.
Warren street.....	650 "	15 "	pipe.
Rockland ".....	300 "	12 "	"
St. James avenue.....	600 "	12 "	"
Haymarket square and Canal street.....	740 "	48 "	wood.

Plans and Specifications at Sewer Office. The right reserved to reject any proposal. To be indorsed "Proposal for Sewers," and addressed to

CLINTON VILES, Chairman Committee on Sewers.

**STEAM HEATING APPARATUS.**

CITY OF BOSTON.

Sealed proposals will be received at the office of City Architect until TUESDAY, Sept. 18, at 12 o'clock, M., for furnishing all materials and doing all the labor required for furnishing Steam-Heating Apparatus for the New Grammar School house, Washington Village, South Boston. Proposals to be addressed to the undersigned, and indorsed, "Proposal for Furnishing Steam-Heating Apparatus, Grammar Schoolhouse, Washington Village." The Committee reserve the right to reject any or all proposals received.

For plans and specifications apply at the office.

JOHN E. FITZGERALD, Chairman.

**COMPETITIONS.**

**NOTICE TO ARCHITECTS.**

OFFICE OF THE STATE HOUSE COMMISSIONERS, INDIANAPOLIS, IND., Sept. 12, 1877.

In accordance with a provision in Section 4 of an act for erecting a

NEW STATE HOUSE FOR THE STATE OF INDIANA.

Notice is hereby given that ninety days from this date the Board of State House Commissioners will proceed to examine such plans and specifications for the same as may be submitted to them by competing architects. Said building to be erected in the city of Indianapolis, Indiana, and not to exceed in cost two millions of dollars. Further and full information will be furnished on application to

GEN. JOHN LOVE, Vice President of the Board, Indianapolis, Ind.

**SCHOOLHOUSE.**

STRATFORD, ONT.

Plans will be received up to October 3, next, for a High School building, to be erected in the town of Stratford, Ont., with basement for play-rooms, two-story brick, containing eight departments and assembly-room, cloak and hat rooms for each department, Mansard slate roof, interior to be fitted for a lecture-room; cost not to exceed \$10,000.

JAS. STEET, Secretary Board of Education, Stratford, Ont.

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Artistic Bronze Decoration for Buildings, Monuments, and Altars.

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THE COURSE IN ARCHITECTURE embraces, besides the necessary scientific and mathematical studies, the study of architectural history, and the constant practice of original design.

Special students in Architecture are received into a two-years' special course.

The work of the school is exhibited at Philadelphia, in the East Gallery of the Main Building.

For particulars address WILLIAM R. WARE, Esq., Professor of Architecture, or DR. SAMUEL KNEELAND, Secretary, BOSTON, Aug. 1, 1877.

Mr. HOTT will be pleased to wait upon Architects, when desired, to explain our methods, and to present for inspection construction plans and estimates for any specific work.

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**BAY OF FUNDY RED GRANITE CO.,**

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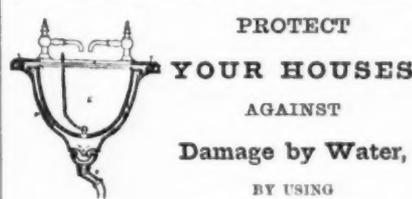
**RED AND GRAY GRANITES.**

For Building and Monumental purposes, furnished to order. Estimates given for Columns, Pilasters, Polished Ashlar, Wainscoting, Tiling, etc.

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ELLIN & KITSON, Architectural Sculptors.

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The use of this new and invaluable improvement precludes all possibility of overflow, by which buildings are so often damaged to the extent of thousands of dollars.

It can be introduced at the cost of the ordinary wash-bowl. This guaranty accompanies every basin sold to our patrons:—

We hereby pledge ourselves to remove our basins, and replace them with any other kind now in use, that parties interested may select, without expense to them, immediately on their failure to fit in the following conditions, provided the trap is kept in running order:—

1st. We warrant our trap to remain free and open as long or longer than any other trap used with wash-bowls, and they are easily cleaned in case of stoppage.

2d. No overflow or leakage of any kind will occur.

3d. No sewer gas will escape from the drain or pipe, or any offensive smell arise from them.

4th. These bowls will remain free and clear from any accumulation of soap or grease or other offensive matter in the space between the inner and outer bowls.

For descriptive circulars, address

I. S. MOORE & CO., 40 Oliver Street, Boston.

GEO. DWIGHT, JR., & CO., Builders in Iron, and Engineers in Fire-Proof Construction, SPRINGFIELD, MASS.

HAVE for many years given their exclusive attention to FIRE-PROOF CONSTRUCTION; and they now invite the correspondence of Architects to the following specialties which hereafter will constitute the leading items of their business:

FIRE-PROOF FLOORS. The only floors that have stood fire in this country.

FIRE-PROOF ROOFS. Refer to Equitable Life Insurance Company's Building at Boston.

FIRE-PROOF SHUTTERS. Have stood many fires in all parts of the country. Over 6000 pairs put up in Boston after the fire. Saved the city of Springfield last year.

FIRE-PROOF LATH. In the words of one of the best-known architects of this country, "Minimum of metal, maximum of stiffness, maximum of clench; the best lath ever made, either wood or iron." See New York Post-Office; State Department, Washington; Equitable Life Insurance Company's Buildings, and many others.

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BUILDING MATERIALS.

[Reported for the American Architect and Building News.]

THE NEW YORK MARKET.

WHOLESALE PRICES.

Table with columns for BRICK (Nominally), CEMENT, and various types of bricks and cement with their respective prices.

FRONTS.

Table listing various front types such as Croton, Philadelphia, and Trenton with their prices.

CEMENT.

Table listing different brands of cement like Rosendale, Roman, and Keene's with prices.

FIRE BRICK.

Table listing fire brick types such as Red Welsh, Scotch, and American with prices.

DOORS AND BLINDS.

Table listing door and blind sizes (e.g., 2.0 x 6.0) and their prices.

DOORS, RAISED PANELS, TWO SIDES.

Table listing door sizes and prices for raised panels.

DOORS, MOULDED.

Table listing door sizes and prices for moulded doors.

OUTSIDE BLINDS.

Table listing prices for outside blinds per lineal foot.

INSIDE BLINDS.

Table listing prices for inside blinds per lineal foot.

WINDOW FRAMES.

Table listing prices for window frames.

HAIR - Duty free.

Table listing prices for hair and catfish.

LIME.

Table listing prices for different types of lime.

LATH - Cargo rate.

Table listing prices for lath.

LUMBER.

Table listing prices for various types of lumber like Pine, Spruce, and Hemlock.

PAINTS AND OILS.

Table listing prices for various paints and oils.

SLATE.

Table listing prices for slate.

SOLDERS.

Table listing prices for solders.

TIN PLATES - Duty, 1-10c.

Table listing prices for tin plates.

Table listing prices for I. C. coke and charcoal in various sizes.

Table listing prices for ZINC and LEAD.

BOSTON.

PRICES TO CONTRACTORS AND BUILDERS.

Table listing prices for FIRE BRICK.

Table listing prices for BUILDING BRICKS.

Table listing prices for LUMBER.

Table listing prices for various types of lumber like Michigan pine and Spruce.

Table listing prices for various types of lumber like Oak and Eastern pine.

Table listing prices for PAINTS AND OILS.

Table listing prices for various types of paint and oil.

Table listing prices for LIME.

Table listing prices for CEMENT.

Table listing prices for BUILDERS' HARDWARE.

Table listing prices for various types of hardware like nails and bolts.

Table listing prices for various types of hardware like door knobs and sash lines.

Table listing prices for various types of hardware like door butts and sash weights.

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CHICAGO.

PRICES TO CONTRACTORS AND BUILDERS.

Table listing prices for BRICK, LIME, AND CEMENT.

Table listing prices for various types of brick and cement.

Table listing prices for LUMBER (MICHIGAN PINE).

Table listing prices for various types of Michigan pine lumber.

Table listing prices for various types of lumber like Michigan pine and Spruce.

Table listing prices for various types of lumber like Oak and Eastern pine.

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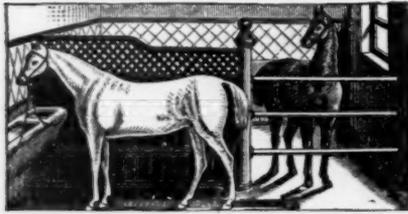
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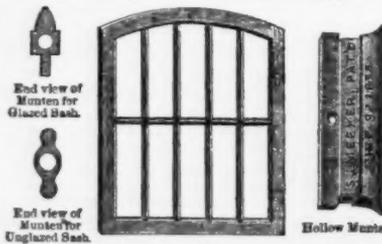
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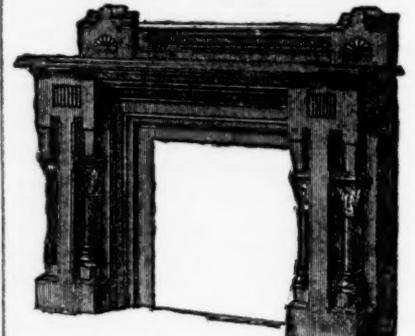
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# BUILDING INTELLIGENCE.

[Reported for the American Architect and Building News.]

## A RECORD.

Showing how buildings recently burned are to be replaced.

**MARBLEHEAD, MASS.**—The following is a complete list of buildings built and in process of building on the burnt district: Two-story flat-roof shoe factory on Spring Street; one-story French-roof house on Pleasant Street; stable on Pleasant Street, all owned by W. G. Lefavour; story and a half marble-cutting shop on Pleasant Street; two-story shoe factory and stores, corner of Pleasant and School Streets, by J. O. Lefavour; two-story store on School Street, by H. O. Symonds; one-story apothecary store on School Street, by W. C. Gregory; two-story French-roof dwelling and stores, corner of Essex and Washington Streets, by W. C. Woodfin; three-story shoe factory on Essex Street, by W. J. Goldthwait; story and a half dwelling on Spring Street, by Nicholas Pitman; two-story dwelling on Sewall Street, by W. L. Stockwell; two-story French-roof house and stable on Sewall Street, by P. J. Woodfin; story and a half dwelling on Sewall Street, by Joseph Chapman; story and a half dwelling on Sewall Street, by Thomas Stacey; two-story shoe factory on Sewall Street, by William Stevens; one-story French-roof dwelling on the corner of Essex and Bassett Streets, by Miss L. Evans; one-story French-roof house on Bassett Street, by Mrs. McLoud. The following will soon be built: Eastern Railroad Depot, Pleasant Street; shoe factory on Pleasant Street, by proprietors of the late Allerton block; dwelling-house on School Street, by Edward Glover; dwelling-house on Sewall Street, by Thomas Foss; dwelling-house on Sewall Street, by George Church.

**QUINCY, ILL.**—The building which was occupied by Crockett & Mason as "Farmers' Mills," burned Aug. 13, is to be replaced by a three-story brick building 30' x 60'; it is to be used by the same firm as a flouring-mill.

## SUMMARY OF THE WEEK.

Reports from the Principal Cities and Towns of the Country.

### Boston.

**BRICK BUILDINGS.**—Only five permits have been issued for the week ending Sept. 19: these are to Ivory Bean for a four-story brewery, 47' x 40'; to B. F. Sturtevant for a one-story machine-shop and boiler-house, 225' x 50'; to Kenning & Fellows for two two-story dwellings, 20' x 42'; to S. Stellings for four four-story dwellings, 16' x 47'; to M. Silva for one two-story dwelling, 37' x 42'.

**WOODEN BUILDINGS.**—Eight permits have been issued, of which three are for dwellings. The following builders are to be employed upon them: Austin Bros., P. P. Nichols, J. Yerrick, R. G. Watt, W. A. Blazo, Tobin & McDonald, W. Peard, M. J. Driscoll.

**REPAIRS.**—Amongst the permits for repairs are seventeen upon dwelling-houses.

### Cleveland, O.

**WIRE MILLS.**—The Cleveland Rolling Mill Company are about to build three additions to their works in the Eighteenth Ward. There is to be a four-story building 45' by 120', and two buildings of two high stories, one 40' by 120', and one 70' by 120'. They will all be built of brick, with iron truss roofs. Mr. John Waterson is the builder. The whole will cost about \$30,000.

**FACTORY.**—The Ohio Steel Barb Fence Company is building on Case Avenue a new two-story factory, which measures 104' x 150'.

### Philadelphia.

The following is a list of the late building permits issued:—

George Fischer, frame barn, south of 29th, Wallace Street. Daniel Wells, two three story and basement brick, brown-stone front tenements, 22 1/2' x 56', Harrison Street and Michigan Avenue; cost \$8,000 each. L. Brentano, three brick dwellings, 21 1/2' x 40', LaSalle Street, near Division; cost \$6,000 each. J. Kristisfeka, three-story and basement brick store and dwelling, 24' x 80', 457 South Canal Street, cost \$5,000. John O'Brien, raise frame dwelling, 130 Gurly Street. George W. Bishop, five two-story brick dwellings, 20' x 36', Greenhaven Avenue and Twelfth Street; cost \$2,000 each. Frame shed. C. H. McNeill, one-story brick store, 50' x 50', Clark and Jackson; cost \$1,000. K. Lindman, two-story brick dwelling, 29' x 34', 14 Sherman Court; cost \$1,000. Peter Snider, three-story brick store and dwelling, 24' x 70', 273 North Avenue; cost \$3,700. George Lassig, two-story brick warehouse and office, 40' x 88', Clark Street, near Fourteenth;

cost \$2,000. John Koster, one-story brick dwelling, 21' x 36', High Street, near Fullerton Avenue; cost \$700. O. W. Clapp, two-story brick dwelling, 38' x 50', Prairie Avenue, near Twenty-first Street; cost \$15,000. F. T. Forsberg, three-story and basement brick store and dwelling, 24' x 65', 292 West Indiana Street; cost \$4,000. J. S. Dennis, raise frame dwelling, Hamilton Avenue; cost \$1,000. M. P. Yorke, four-story and basement brick store, 20' x 80', 247 South Water; cost \$5,000. Wesin & Schildrup, four two-story brick dwellings, (3) 20' x 44', (1) 22' x 44', Robey, near Bryson; cost \$2,000 each. A. Weage, six two-story brick dwellings, 19 1/2' x 36', Artesian Avenue and Hubbard Street; cost \$1,500 each. A. G. Battger, two-story brick dwelling, 21' x 46', 135 West Huron; cost \$2,600. Brick addition, by Dr. Smith, 94 Calumet Avenue; cost \$2,500. Wm. Fox, three-story and basement brick, stone front dwelling, 20' x 44', Ontario Street, near St. Clair; cost \$5,000. John Retsim, two-story brick house, 22' x 50', 31 Johnson Street; cost \$2,000. C. A. Johnson, five two-story and basement brick dwellings and stores, south-west corner Market and Ohio Streets; cost \$2,000 each. A. Werheim, brick barn, 236 Dayton Street; cost \$1,000. Thomas Lynch, two-story and basement brick dwelling, 22' x 40', Taylor Street, near Aberdeen; cost \$3,400. C. W. & E. Partridge, five two-story and basement brick, stone front dwellings, Cottage-grove Avenue, near Thirty-fourth Street; cost \$1,775 each. A. Mentrick, two-story brick, slate roof dwelling, 22' x 47', 143 Bunker Street; cost \$2,000.

### New York.

SYNOPSIS of the report of the Superintendent of Buildings for August, 1877, and for corresponding period 1876.

Buildings.	1876.	1877.
Stores.....	5	6
Stores and Dwellings.....	7	7
Dwellings.....	14	16
Factories.....	2	3
Offices.....	3	2
Stables.....	5	4
Tenements.....	4	10
French Flats.....	4	2
Miscellaneous.....	3	10
<b>Totals.....</b>	<b>51</b>	<b>60</b>
<b>Total Cost.....</b>	<b>\$23,300</b>	<b>\$42,150</b>
Brick Fronts.....	23	47
Stone ".....	..	.....
Brick and Stone Fronts.....	14	.....
Iron and Stone ".....	4	.....
Wood Fronts.....	10	5

**BUILDINGS PROJECTED FOR THE WEEK ENDING SEPT. 18.**—Seventeen in number, consisting of stores, flats, dwellings, offices, &c. Total value, \$101,150.

Owners.	Architects.	Builders.
J. M. Michall.....	J. M. Michall.....	L. Pierce.....
H. W. Lee.....	Henry Dieing.....	E. Vreeland.....
N. Lutz.....	Rogers & Brown.....	John Freiser.....
J. H. Waterhouse.....	Griffith Thomas.....	J. W. Smith.....
Amos R. Eno.....	John Knox.....	John Knox.....
Henry D. Vesing.....	John C. Stickler.....	John C. Stickler.....
Felix Schmidt.....	James Vance.....	James Vance.....
James E. McKown.....	Spencer.....	H. Grube.....
C. H. Grube.....	C. F. Bidder.....	.....
Jacob Gohn.....	O'Keefe.....	.....
P. McCoy.....	Theo. Dietzen.....	F. H. Thurston.....
James Floy.....	John C. Stickler.....	John C. Stickler.....
George Keller.....	J. M. Dunn.....	J. C. Heney.....
Rodman & Farrington.....	Silas M. Styles.....	C. H. Styles.....
C. H. Styles.....	J. B. Franklin.....	.....
Charles Fosseng.....	.....	.....

### St. Louis.

**BUILDING PERMITS.**—Thirty-three building permits issued for the week ending Sept. 14. Of these twenty-six were for buildings of brick; the remainder for frame erections of small value. Those for \$2,500 or over are as follows:—

Owners.	Use.	Stories.	Rooms.	Cost.
R. Walsh.....	Dwelling.	2	6	\$2,000
Dr. Hickman.....	"	2	6	2,500
Mc. Cahary Chapel.....	Church.	1	1	5,000
Mrs. M. C. Stuyvesant.....	Dwelling.	1-2	9	4,500
Mary Spore.....	"	2	18	3,500
Watson Bros.....	"	2	21	7,000
James E. Crawford.....	"	2	12	7,000

### General Notes.

**BLOOMFIELD, IO.**—The corner-stone of the new court-house was laid Aug. 22. Larkworthy and Mead, contractors.

**BUFFALO, N.Y.**—Mr. M. E. Beebe is now preparing plans for a club-house to be built on Gremel Island, by the Oakfield Club of this city, at a cost of \$5,000; a brick residence for Charles Lantz, on Linwood Avenue, to cost \$4,500; a brick residence for George F. Haywood, 413 Delaware Avenue, to cost \$7,000; a brick house for Charles S. Clark, corner of North Pearl and North Streets, to cost \$10,000; a frame house for William C. Fitch, Pennsylvania Street, cost \$3,500; and a brick block of eight dwellings for Francis H. Root, on Chip-

pewa Street, between Franklin and Delaware Avenue, to cost \$24,000.

**DOYLESTOWN, PENN.**—Bucks County, Penn., is to have a new court-house which promises to be one of the most ornate of any in the interior towns of the State. The style of the building is described as the early French Gothic.

**HOLYOKE, MASS.**—The extension of the Whiting mill No. 2 is nearly ready for the roof; the hotel block is rising above the second story; and the opera-house has a good start above its foundations. The Newton pulp-mill is to be again enlarged, and L. P. Bosworth does the work. Beebe & Holbrook will increase the size of their paper-mill machine rooms by adding a story. Ground has been broken for a new stock-house for the blanket-mill; and the Farr alpaca company are to begin building a wool-sorting house at once, on the opposite side of the canal from their mill.

**MIDDLETOWN, CONN.**—The Psi Upsilon Fraternity of Wesleyan College is building, of brick and brown stone, a society building. It is to cost about \$10,000. Architect, D. P. Brown of New Haven. Builder, J. W. Hubbard of Middletown.

**PROVIDENCE, R.I.**—The corporation of Brown University have received plans for a new dormitory, and have voted to begin to build at once.

**STAFFORD SPRINGS, CONN.**—The corner-stone of Grace Episcopal Church was laid Sept. 7.

**SOUTH ADAMS, MASS.**—Renfrew's gingham mills are to have a new weave-room, for which ground has been broken. It will measure 360' by 135', and be one story in height, and will be capable of holding one thousand looms. The present weave-room can accommodate only five hundred and fifty looms.

## INDEX OF CURRENT WORK.

Giving information concerning important buildings now unfinished.

### Boston, Mass.

**CHURCH.**—Cost \$75,000. Mr. John Welch, architect, Brooklyn, N.Y.

**HOTEL.**—Hotel Sumner. E. B. Horn, owner. Messrs. Appleton & Stephenson, architects, Boston, Mass.

**HOTEL.** Hotel Comfort. \$80,000. L. Weissbein, architect. W. Sheafe, owner.

**HOTEL.**—Creighton House. C. Fehmer, architect.

**POST OFFICE.**—Jas. G. Hill, Supervising Architect.

**TREASURY DEPT.**—High and Latin School. G. A. Clough, architect.

### Brooklyn, N.Y.

**CONCERT GARDEN.**—F. H. Coles, architect. Cost, \$50,000.

**HOSPITAL.**—Church Charity Foundation of the Protestant Episcopal Diocese of Long Island. N. L. Derby, architect, N.Y.

**SCHOOLHOUSE.**—Corner 6th Avenue and 8th Street.

### Chicago, Ill.

**APARTMENT HOUSE.**—C. P. Thomas, architect. \$16,000.

**CHURCH.**—Jefferson Park Presbyterian. J. C. Cochran, architect.

**STORE.**—D. W. Kendall, architect. \$32,000.

### Cincinnati, O.

**AQUARIUM.**—James W. McLaughlin, architect.

**STORE.**—Alms & Doepke, owners. Hannaford & Procter, architects.

**MUSIC HALL.**—Hannaford & Procter, architects.

**STORES.**—G. P. Humphries, architect. \$10,000.

### Cleveland, O.

**CONVENT.**—Ursuline Academy. L. A. Heard, architect. \$120,000.

**HIGH SCHOOL.**—Brooks & Linus, contractors. L. T. Scofield, architect. \$73,890.

**CHURCH.**—Heights Congregational Church. Walter Blythe, architect.

**BLOCK OF STORES.**—Corner Erie Street and Woodland Avenue. Griese & Weile, architects and builders.

**PUBLISHING HOUSE.**—Evangelical Publishing Association. \$15,000. J. M. Blackburn, architect.

### Hartford, Conn.

**TRINITY COLLEGE.**—F. H. Kimball, supervising architect.

**ORPHAN HOME.**—F. H. Kimball, architect.

### New York.

**CONVENT OF THE SISTERS OF ST. JOHN.**—E. G. Littell, architect.

**CHURCH.**—Roman Catholic Church, West Fifteenth Street. Cost \$150,000.

**ORIENT INS. CO'S. BUILDING.**—A. H. Thorp, architect. \$125,000.

**QUEEN'S INS. CO'S. BUILDING.**—Clinton & Pirsson, architects. \$100,000.

**STORE.**—G. Thomas, architect. Cost \$20,000.

### Philadelphia.

**CHURCH.**—Central Presbyterian, Collins & Autenreith, architects. G. Watson, builder.

**HOSPITAL.**—Presbyterian Hospital. Wilson Bros., architects.

**OFFICE BUILDING.**—Girard Trust.

**THEATRE.**—Chestnut Street Theatre.

### General.

**AKRON, O.**—First Universalist Church. \$35,000 F. O. Warty, architect.

**ANDERSON, IND.**—Asylum. M. E. May, architect, Indianapolis, Ind.

**ANN ARBOR, MICH.**—Court House. Mr. Bunting, architect, Indianapolis, Ind.

**ARCADIA, WIS.**—Court House and Jail. C. G. Maybury, architect, Winona, Minn. \$25,000.

BALTIMORE, MD.—Church of St. Michael and All Angels. \$80,000. Wyatt & Sperry, architects.  
 BELFAST, ME.—Masonic Temple. G. M. Harding, architect, Boston, Mass.  
 BUFFALO, N. Y.—St. Peter's Evangelical Church. M. E. Beebe, architect.  
 CHATTANOOGA, TENN.—Court House. A. C. Bruce, Knoxville, Tenn., architect.  
 DES MOINES, IOWA.—State House. Bell & Hackney, supervising architects.  
 FAIRHAULT, MINN.—Deaf, Dumb, and Blind Asylum. J. Babcock & Co., contractors. \$53,430.  
 GALVESTON, TEX.—Cotton Exchange. Gibbs & Moser, architects.  
 GARDEN CITY, L.I.—Stewart Memorial Church. H. G. Harrison, architect.  
 GOSHEN, IND.—Opera House. \$22,000. Noble & Son, owners.  
 GREENSBURG, IND.—Hotel. \$18,000. Kitcham & Gibson, architects, Indianapolis.  
 HARTFORD, CONN.—Trinity College. T. H. Kimball, supervising architect.  
 HOBOKEN, N.J.—St. Mathew's Church. Mr. H. Englebert, architect, New York.  
 JERSEY CITY.—Catholic College. L. O'Connor, architect.  
 JOLIET, ILL.—St. Mary's (R. C.) Church. Mr. Kelly, architect, Brooklyn.  
 KANSAS CITY, MO.—Union Depot. Bernard Malone, contractor. \$100,000.  
 NORTHAMPTON, MASS.—Church. Peabody & Stearns, architects, Boston, Mass.  
 OIL CITY, PENN.—Exchange. \$75,000. J. M. Budge, jun., architect.  
 OMAHA, NEB.—Union Pacific Railroad Depot. Cost, \$100,000.  
 PORTSMOUTH, N.H.—Opera House. Heirs of John W. Feirce.  
 ROME, GA.—Shorter Female College. J. A. Cooley, contractor.  
 SACRAMENTO, CAL.—Masonic Hall. Carlo & Croly, contractors.  
 SING SING, N.Y.—Methodist Church. Cost \$48,000.  
 SPRINGFIELD, ILL.—State House. J. C. Cochran, architect.  
 WABASH, IND.—Court House. B. V. Enos & Son, architects. Cost \$100,000.  
 WATERBURY, CONN.—Methodist Church. \$40,000.  
 WAUKEGAN, ILL.—Court House. H. C. Koch, architect. Cost \$40,000.  
 ZANESVILLE, O.—Hotel. H. E. Myers, architect. Black & Graham, owners. \$75,000.

which shows in evaporation an average saving of twenty-five per cent in economy. Three boilers set this way will do the work of five the old way. With the present prospects of business every effort must be made to reduce the cost of production, as from the present prospects about all the profits made will be in the saving and economy of production. This improvement is now becoming introduced among the various manufactories,—among others, the large tanneries of Peabody, paper mills in Holyoke, sugar refineries in Boston and Brooklyn, and iron works in Pittsburg. In the last place five fuel boilers set this way made as much steam as nine the old way.

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Publishers' Department.

THE AMERICAN ARCHITECT AND BUILDING NEWS is published every Saturday, at \$7.50 per year, or \$5.00 if paid in advance. Single copies, 15 cents.  
 Advertisements, on page 1 and pages next to editorial matter, 12 1/2 cents per line (agate), or \$1.75 per inch (14 lines) for one insertion. One inch, one month, \$3.00; three months, \$8.00; six months, \$14.00; nine months, \$18.00; one year, \$20.00. Other pages, 10 cents per line, or \$1.40 per inch, one insertion. One inch, one month, \$3.00; three months, \$8.00; six months, \$13.00; nine months, \$16.00; one year, \$18.00.  
 No extra charge for cuts or for advertisements that occupy more than a column in width.  
 Payments should be made directly to the publishers, either by draft or by Post-office order.  
 JAMES R. OSGOOD & Co., Publishers,  
 Winthrop Square, Boston.

BUILDING SPECIALTIES.

—There is nothing so attractive in the city or country as ornamentation of grounds, stables, buildings, or prominent points, with fountains, statuary, or vases. Messrs. Robert Wood & Co., No. 1136 Ridge Ave., Philadelphia, are leading manufacturers of ornamental iron-work. Their iron stable fixtures cannot be excelled for use and beauty of design. Every imaginable arrangement for the comfort of stock which calls into requisition durable iron is mapped out, and made ready for use after the most approved designs. A stable fitted up by this firm attracts much attention from all who visit it, and always receives favorable comments. Parties about building will find it to their advantage to communicate with them and obtain their book of illustrations, and a careful estimate of the cost of what may be required. This house makes a specialty of fountains, vases, statuary, life-size figures of deer, dogs, lions, etc.; also iron railings, iron stairs, verandas, lamp-posts. They make also the most complete and perfect chair, with folding seat, for opera houses, theatres, and concert halls, that has yet been presented to the public. Another special feature of their manufacture is their bronze-work, in addition to the casting of statues, for which they have a justly acquired national reputation; they make railings and ornamental bronze-work of every description for banks, public buildings, or private residences, from either their own or any designs furnished them; guaranteeing satisfaction in every instance.  
 The Journal of Commerce says: "The great motive power to-day of this country is steam, and the great question is how to reduce the cost of making it to the lowest point. While great advances have been made in engines and machinery within the past twenty-five years, but little improvement has been made in combustion of fuel to produce steam. In making steel the Siemens steel gas furnace has reduced the cost of steel fifty per cent; and this has been accomplished by utilizing the gases, which under the old system have passed off unconsumed. This has been accomplished by mixing hot air (oxygen) with the gases. To accomplish this result the air must be heated to a high degree at the same time not allowing it to come in contact with the flame until it is discharged at the proper point. If the air is not heated to the point of combustion, say 500° Fah., it will result in a loss, by not thoroughly mingling with the gases, and will reduce the temperature of the furnace. Every one knows from experience the large amount of gas that passes off from the common house furnaces. If this is lost here, how much larger amount is wasted from steam boiler furnaces! Now the principal point is, how to heat the air so as to consume these gases. This has been accomplished by the Jarvis Patent Furnace for setting steam boilers,

BALTIMORE PRESSED TILES,  
 FOR HEARTHES, FLOORS, ETC.  
 Chimney Tops and Garden Vases,  
 DRAIN AND SEWER PIPE, FIRE-BRICK,  
 LAND TILE,  
 ENGLISH, ROMAN AND PORTLAND CEMENT.  
 WALDO BROTHERS,  
 No. 94 WATER STREET, BOSTON.

ARCHITECTS' AND ENGINEERS' STATIONERY.  
 WADSWORTH BROS. & HOWLAND, No. 76 Washington Street, Boston, have opened an entirely new stock of Stationery used by Architects and Engineers, which include Tracing Cloth, Tracing Paper, Mounted Papers, Whatman's Superior Drawing Paper, White and Tinted Roll Paper, English and French Crayon Paper, Rubber and Wood Triangles, T-Squares, Mathematical Instruments, &c.  
 Architects and Builders are reminded that our celebrated Bay State Colors are the Best Paints in the market.  
 WADSWORTH BROS. & HOWLAND, dealers in Painters' Supplies and Artists' Materials, 76 WASHINGTON STREET, BOSTON.

ASAHEL WHEELER'S  
 CONSTANT WHITE PAINT.  
 Invented 1850.  
 SPECIMENS OF TWENTY-FIVE YEARS' STANDING can be shown looking much fresher than any other paint of two years.  
 It emits no poisonous gas like other paints while drying. Its surface is a perfect enamel, from which any specks of dirt may easily be removed.  
 It is unequalled for beauty, durability, and economy.  
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 Artistic Bronze Decoration for Buildings, Monuments, and Altars.  
 Architects' Designs executed, and designs furnished for special subjects.  
 Artistic Monuments in Granite and Bronze.  
 E. S. WARREN.  
 ARCHITECT AND BUILDING SUPERINTENDENT.  
 OFFICE 81 LAUREL ST., HARTFORD, CONN.

PROPOSALS.

LUMBER, IRON, HARDWARE, PAINTS, ETC.

Proposals for Materials to be supplied to the Navy Yards under the cognizance of the Bureau of Construction and Repair.

NAVY DEPARTMENT. BUREAU OF CONSTRUCTION AND REPAIR. WASHINGTON, D. C., Aug. 21, 1877.

Sealed proposals to furnish Timber and other materials for the Navy for the fiscal year ending June 30, 1878, will be received at this Bureau until THURSDAY, 12 o'clock, a. m., the 25th of September next, at which time the bids will be opened.

The proposals must be addressed to the "Chief of the Bureau of Construction and Repair, Navy Department, Washington," and must be indorsed "Proposals for Timber, etc., for the Navy," that they may be distinguished from ordinary business letters.

To prevent confusion, and to facilitate the opening of the bids, parties bidding for supplies at several yards will enclose their bids in separate envelopes for each yard, indorsed with the name of the yard for which the bid is made.

Printed schedules for such classes as parties deal in and intend to bid for, together with instructions to bidders, giving the forms of proposal, of guaranty, and of certificate of guarantors, with printed forms of offer, will be furnished to such persons as desire to bid, on application to the Commandants of the respective Navy Yards, and those of all the yards on application to the Bureau.

The Commandant of each Navy Yard, and the purchasing Paymaster for each station, will have a copy of the schedules of the other yards for examination only, in order that persons who intend to bid may judge whether it is desirable to make application for any of the classes of those yards.

The proposals must be for the whole of a class, but the Department reserves the right to reduce the whole class, should the interest of the Government require it, before the execution of the contract. All applications for information, or for the examination of samples, must be made to the Commandants of the respective yards.

Bids or offers will be received only from parties who are bona fide dealers in, or manufacturers of, the articles the execution of the contract. All applications for information, or for the examination of samples, must be made to the Commandants of the respective yards.

The contract will be awarded to the person who makes the lowest bid and gives the guaranty required by law, the Navy Department, however, reserving the right to reject the lowest bid, or any which it may seem exorbitant.

Under the provisions of section 3722 of the Revised Statutes, the offer of any person who, as principal or surety, has been a defaulter in any previous contract with the Navy Department will not be received.

Sureties in the full amount will be required to sign the contract, and their responsibility must be certified to the satisfaction of the Navy Department.

As additional security twenty per centum will be withheld from the amount of the bills until the contracts shall have been completed, and eighty per centum of the amount of each bill, approved in triplicate by the Commandants of the respective yards, will be paid by the Paymaster of the station designated in the contract, or, if none is specified, by the Paymaster of the station nearest the yard where the goods are delivered, within ten days after the warrant for the same shall have been passed by the Secretary of the Treasury.

The classes of this Bureau are numbered and designated as follows:

- No. 4, White Oak Plank—Oregon Pine Deck Plank at Mare Island yard; No. 7, Yellow Pine Logs—Oregon Pine Logs at Mare Island yard; No. 8, Yellow Pine Beams—Oregon Pine Beams at Mare Island yard; No. 9, Yellow Pine Mast Timber; No. 10, White Pine Boards—Sugar Pine Plank and Boards at Mare Island yard; No. 15, White Ash, Elm, Beech—White Ash and Redwood at Mare Island yard; No. 16, White Ash Gars; No. 18, Black Walnut, Mahogany, Maple, Cherry; No. 22, Cypress, Cedar; No. 23, Black Spruce; No. 25, Lignumvite; No. 32, Wrought Iron, round and square; No. 34, Wrought Iron, flat; No. 34, Iron plate; No. 35, Steel; No. 37, Iron Spikes; No. 38, Iron Wrought Nails; No. 39, Iron Cut Nails; No. 42, Lead pipe, sheet; No. 43, Zinc; No. 44, Tin; No. 48, Locks, Hinges, Bolts, of brass and iron; No. 49, Screws, of brass and iron; No. 50, Files; No. 51, Axes; No. 52, Chisels; No. 54, Iron tools for use in yard and shops; No. 54, Hardware; No. 56, White Lead; No. 57, Zinc Paints; No. 58, Colored Paints, Dryers; No. 59, Linseed Oil; No. 60, Varnish, Spirits Turpentine; No. 63, Sperm and Lard Oil; No. 64, Tallow, Soap; No. 65, Fish Oil; No. 68, Glass; No. 69, Brushes; No. 70, Dry Goods for upholstering; No. 71, Stationery; No. 72, Crucibles; No. 73, Ship Chandlery; No. 74, Acids; No. 75, Rosin, Pitch, Crude Turpentine; No. 77, Belting, Packing; No. 78, Leather, pump, figging, lacing; No. 80, Junk; No. 85, Anthracite Coal; No. 87, Bituminous Coal; No. 88, Charcoal, Coke; No. 89, Wood.

The following are the classes, by the numbers, required at the respective navy yards:—

PORTSMOUTH.

- Nos. 4, 13, 15, 16, 18, 25, 32, 33, 35, 39, 42, 44, 48, 49, 50, 52, 53, 54, 56, 57, 58, 60, 63, 64, 68, 69, 70, 71, 73, 74, 77, 78, 85, 87.

BOSTON.

- Nos. 13, 15, 16, 18, 25, 35, 38, 39, 42, 48, 49, 50, 52, 53, 54, 56, 58, 59, 60, 63, 64, 68, 69, 70, 71, 73, 74, 77, 78, 85, 88.

NEW YORK.

- Nos. 9, 10, 22, 23, 32, 37, 42, 43, 44, 48, 49, 50, 51, 52, 53, 54, 56, 57, 58, 59, 60, 63, 64, 68, 69, 70, 71, 72, 73, 74, 77, 78, 80, 85.

LEAGUE ISLAND.

- Nos. 9, 18, 23, 25, 34, 38, 39, 42, 43, 48, 49, 50, 52, 53, 54, 56, 58, 60, 63, 64, 68, 70, 71, 73, 75, 78, 83, 87, 88.

WASHINGTON.

- Nos. 9, 22, 23, 32, 39, 44, 48, 49, 50, 51, 52, 53, 54, 56, 57, 58, 59, 60, 63, 64, 68, 69, 70, 71, 72, 73, 74, 75, 77, 78, 87, 88, 89.

NORFOLK.

- Nos. 9, 13, 15, 16, 18, 22, 25, 32, 31, 34, 35, 37, 39, 44, 48, 49, 50, 52, 53, 54, 56, 57, 58, 59, 60, 63, 64, 68, 69, 70, 71, 73, 74, 77, 78, 85.

MARE ISLAND.

- Nos. 7, 8, 9, 13, 16, 24, 32, 35, 42, 43, 44, 48, 49, 50, 51, 52, 53, 54, 56, 57, 58, 59, 60, 63, 64, 68, 69, 70, 71, 73, 78, 85.

STONE.

Proposals for dimension stone, rubble stone, bricks, cement, and sand for the basement and area walls of the United States Court-House and Post-Office at Utica, N. Y.

OFFICE OF THE SUPERVISING ARCHITECT, TREASURY DEPARTMENT, WASHINGTON, D. C., SEPT. 4, 1877.

Sealed proposals will be received at this office until 12 M. on the twentieth day of September, 1877, for furnishing and delivering at the site of the United States Court-House and Post-Office at Utica, N. Y., the following materials required for the construction of the basement and area walls of that building: 5,000 cubic feet, more or less, dimension stone, which may be granite, marble, limestone, or sandstone; 450 cubic yards, more or less, rubble stone, which may be granite, marble, limestone, or sandstone; 225 M. more or less, hard burned, common brick; 800 barrels, more or less, cement; and 200 cubic yards, more or less, clean sharp sand. Copies of specification and condition of submitting bids, together with any additional information, may be had on application at this office or the office of the superintendent of the building.

JAS. G. HILL, Supervising Architect.

PROPOSALS.

IRON WIRE ROPE SOCKETS.

Sealed proposals will be received by the Trustees of the New York and Brooklyn Bridge, until the 1st day of October, 1877, for the manufacture and delivery of about 1,300 wrought iron wire rope sockets. Drawings may be seen at the Bridge Office. A tracing and specifications will be sent upon application. The bids must be addressed to the trustees of the New York and Brooklyn Bridge, No. 21 Water street, Brooklyn, and marked "Proposals for Sockets."

W. A. ROEBLING, Chief Engineer.

STONE.

The Trustees of the New York and Brooklyn Bridge, Office No. 21 Water St., Brooklyn, Aug. 28, 1877.

Sealed proposals will be received by the Trustees of the New York and Brooklyn Bridge, until 12 M., Monday, Oct. 1, for about twenty thousand cubic yards of granite facade, arch, and other stone; also for about three thousand lineal feet of granite parapet stone, for the New York and Brooklyn approaches to the East River Bridge.

Plans can be seen, and specifications obtained, at the Engineer's office, and specifications will be sent upon application at the office of the Trustees.

The proposals must be directed to the Trustees of the New York and Brooklyn Bridge, 21 Water Street, Brooklyn, indorsed, "Proposals for Stone for Approaches."

W. A. ROEBLING, Chief Engineer.

WAREHOUSE.

Proposals will be received by the Board of Commissioners of the State of Ohio, up to nine o'clock, A. M., Sept. 25, 1877, for materials and workmanship necessary to construct a Tobacco Warehouse for the State of Ohio, to be located in the city of Bellaire, and constructed of brick or stone, according to the plans and specifications for the same, to be seen after Sept. 1, 1877, at the office of J. W. Yost, Architect, Bellaire, O. Bids will be received for the whole work, or for the excavation, stone-work, brickwork, woodwork, tin, and iron-work, and painting and glazing. Before awarding contract, good and sufficient security for the proper completion of the work will be required. The right is reserved to reject any or all bids.

ISAAC MORTON, CHAS. HARE, ISAAC WESNER, Commissioners.

COURT HOUSE.

Proposals will be received by the Board of Commissioners of Hamilton County, Indiana, at the office of the Auditor of said county, up to 9 o'clock, A. M., on Saturday, September 29, 1877, for the erection and completion of a first-class court house, in accordance with the general specifications and drawings prepared by Edwin May, architect, to be seen at the Auditor's office, Noblesville, Indiana, and at the office of the architect, Nos. 5 and 6 Glenn's Block, Indianapolis, where printed forms for bids can also be obtained. Bond required, \$75,000. Payments will be made as follows: On estimates made by the architect every thirty days, ninety per cent, reserving ten per cent until the contract is complete. The building to be completed in all its parts on or before the 1st day of June, 1879. The foundation to be completed up to the grade line the present year. For all further information apply to the undersigned. By order of the County Commissioners.

C. S. W. PETTJOHN, Auditor.

COMPETITIONS.

NOTICE TO ARCHITECTS.

OFFICE OF THE STATE HOUSE COMMISSIONERS, INDIANAPOLIS, IND., SEPT. 12, 1877.

In accordance with a provision in Section 4 of an act for erecting a

NEW STATE HOUSE FOR THE STATE OF INDIANA.

Notice is hereby given that ninety days from this date the Board of State House Commissioners will proceed to examine such plans and specifications for the same as may be submitted to them by competing architects. Said building to be erected in the city of Indianapolis, Indiana, and not to exceed in cost two millions of dollars. Further and full information will be furnished on application to

GEN. JOHN LOVE,

Vice President of the Board,

Indianapolis, Ind.

SCHOOLHOUSE.

Plans will be received up to October 3, next, for a High School building, to be erected in the town of Stratford, Ont., with basement for play-rooms, two-story brick, containing eight departments and assembly-room, cloak and hat rooms for each department, Mansard slate roof, interior to be fitted for a lecture-room; cost not to exceed \$10,000.

JAS. STEET,

Secretary Board of Education, Stratford, Ont.

New York Stone Contracting Company,

(Successors to the New York & Long Island Colinet Stone Company.)

JOHN C. GOODRIDGE, Jr., President.

Corner of 3d Avenue and 6th Street,

BROOKLYN,

are prepared to make contracts for the erection of

FIRE-PROOF BUILDINGS,

Churches, Bridges, Docks, Aqueducts, Sewers, Culverts, Vaults, Walls, and Arches.

Culverts and Tunnels lined.—Piers and Abutments repaired.

DAVIS TILLSON,

PROPRIETOR HURRICANE ISLAND.

Contractor for all kinds of Rough, Cut, and Polished

GRANITE WORK.

Rockland, Me.

Hurricane Island Granite Co.

Hurricane Island is about two miles from Rockland, Me. It contains some hundred acres, is composed wholly of huge masses of granite of excellent quality, free from iron-ore, lying in such manner as to afford the very best facilities for obtaining unlimited quantities, especially if very large stones are required. The Company has very extensive boarding-houses, shops, and stone sheds, commodious wharves, with twenty feet of water at low tide. They have also railroads, Tillson's Powerful Patent Steam Cranes, of which the proprietor of the Island is sole owner, together with many other original appliances for quarrying and handling granite cheaply and expeditiously. The superstructure of the new U. S. Custom House and Post Office at St. Louis, Mo., a very beautiful and costly building, is furnished exclusively by this Company. Steamer Hurricane leaves Rockland at 12.30 P. M., daily, returning same afternoon.

BAY OF FUNDY RED GRANITE CO.,

ST. GEORGE, N. B., DOMINION OF CANADA.

RED AND GRAY GRANITES.

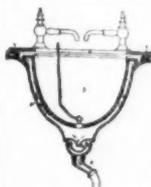
For Building and Monumental purposes, furnished to order. Estimates given for Columns, Pilasters, Polished Ashlar, Wainscoting, Tiling, etc.

ROBERT ELLIN, General Agent, U. S.

ELLIN & KITSON, Architectural Sculptors.

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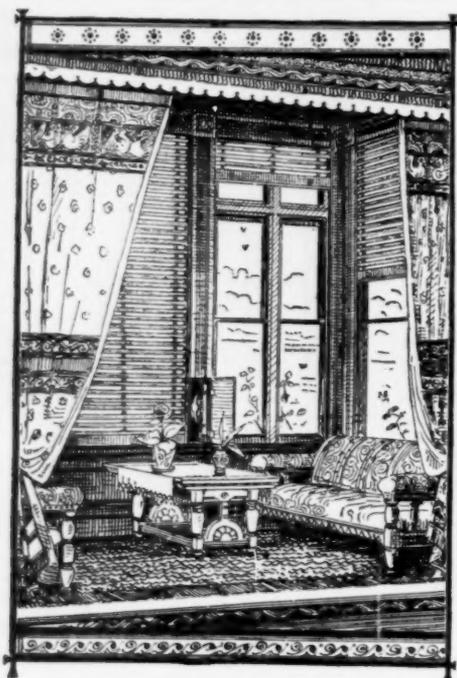
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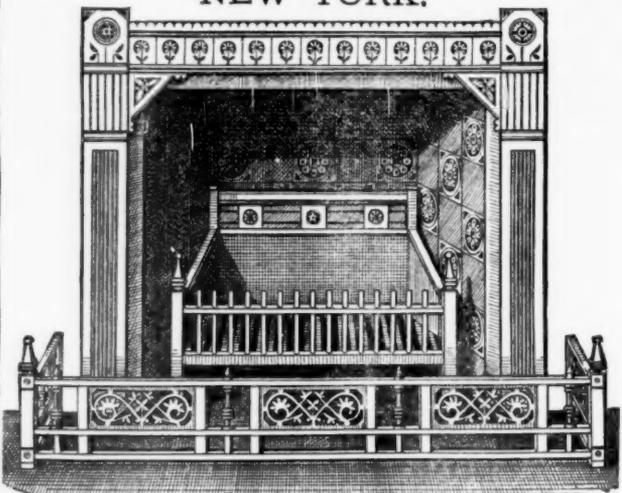
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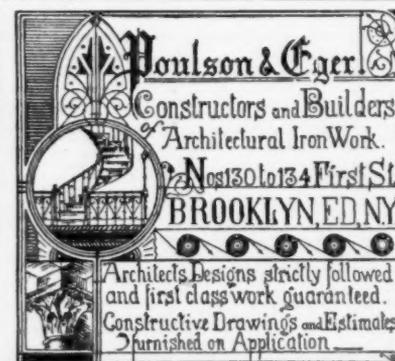
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[Reported for the American Architect and Building News.]

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WHOLESALE PRICES.

Table with columns for Brick (Nominally, Cargo afloat), Fronts, and CEMENT. Includes items like Portland, Roman, Keene's coarse, Keene's fine.

Table for Fire Brick, including Red Welsh, Scotch, and American.

Table for Doors and Blinds, including Doors, Raised Panels, Two Sides, and Doors, Moulded.

Table for Outside Blinds, including Per lineal foot, up to 2.16 wide, up to 3.1 wide, etc.

Table for Inside Blinds, including Per lineal foot, 4 folds, Pine, Ash or Chestnut, etc.

Table for Window Frames, including Up to 3.4 x 7.2, put together.

Table for Hair - Duty free, including Cattle, Goat.

Table for Lime, including State, common, cargo rate, State, put-hing, etc.

Table for LATH - Cargo rate, including State, common, cargo rate, etc.

Table for LUMBER, including Pine, very choice, and extra dry, Pine, good, etc.

Table for PAINTS AND OILS, including Paris white, English, Zinc, white, American, etc.

Table for SLATE, including Purple roofing slate, Green slate, etc.

Table for SOLDERS, including No. 2, No. 1.

Table for TIN PLATES - Duty, 11-16c, including I. C. charcoal, 10 x 14.

Table for I. C. coke, 10 x 14, I. C. charcoal, 10 x 14, I. C. charcoal, 14 x 20, etc.

Table for ZINC - Duty, sheet, 24 lb. 24c, Sheet (gold) foreign, etc.

Table for LEAD, including Bar, Sheet, Pipe, Discount, 10 per cent to trade.

BOSTON.

PRICES TO CONTRACTORS AND BUILDERS.

Table for FIRE BRICK, including Waldo Bros. Extra, Waldo Bros. No. 1, etc.

Table for BUILDING BRICKS, including Eastern, Bay State.

Table for LUMBER, including Michigan pine - Nos. 1 and 2, No. 3, etc.

Table for PAINTS AND OILS, including Whiting, Paris white, English, etc.

Table for CEMENT, including Rosendale, Portland, Roman, etc.

Table for BUILDERS' HARDWARE, including Nails, Sash Weights, etc.

Table for IRON, including Wrought-iron I Beams, Wrought-iron Channel Beams, etc.

Table for PAINTS AND COLORS, including White Lead, French, etc.

Table for OILS, including Lined, raw, 22c; boiled, 35c.

CHICAGO.

PRICES TO CONTRACTORS AND BUILDERS.

Table for BRICK, LIME, AND CEMENT, including Lime, in bulk, Chicago building brick, etc.

Table for LUMBER (MICHIGAN PINE), including First and second clear, 1 to 2-in., Third clear, 1-in., etc.

Table for HARDWOOD LUMBER, including Whitewood, clear, Whitewood box boards, etc.

Table for METALS AND TINNERS' STOCK, including Tin plate, I C 10 x 14, charcoal, etc.

Table for PAINTS AND COLORS, including White Lead, Strictly pure, etc.

Table for NAILS, including No. 1, 15c; extra, 20c.

Table for SOLDER, including No. 1, 15c; extra, 20c.

Table for COPPER, including Bottoms, 24c; sheathing copper, 22c.

Table for SHEET ZINC, including Full casks, 9c; slabs, 8 1/2c.

Table for SHEET IRON, including No. 24, 3c; rates: Russia iron, etc.

Table for WIRE, including No. 4, 9c; 5 to 9, 10c; 10 to 11, 11c; etc.

Table for PAINTS AND COLORS, including White Lead, Strictly pure, etc.

Table for NAILS, including No. 1, 15c; extra, 20c.

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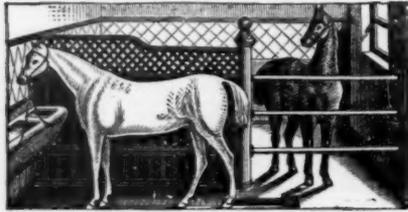
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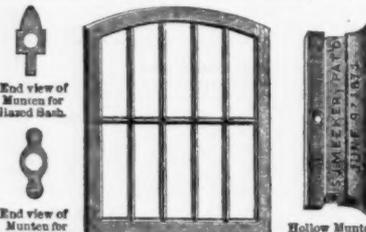
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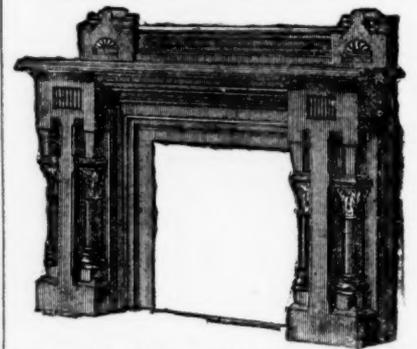
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**BUILDING INTELLIGENCE.**

[Reported for the American Architect and Building News.]

**A RECORD.**

Showing how buildings recently burned are to be replaced.

**MARBLEHEAD, MASS.**—The Rechabite Society has purchased the lot of land adjoining its estate, of Mr. E. V. Bartlett, for \$1,400, and proposes to erect a building 60' x 40'. Work will be begun at once. Work on Abbott Hall progresses slowly. It will probably be dedicated about Nov. 1. Mr. Isaac C. Wyman is having the old Blaney house remodelled. It will be occupied by the "Marblehead Messenger."

**TOPEKA, KAN.**—Mr. James McGonigle of Leavenworth, Kan., is the builder employed in rebuilding the hotel. E. T. Carr, architect.

**WILBRAHAM, MASS.**—The Congregational church which was burned this summer is to be replaced by a wooden church, measuring 107' x 45', from designs prepared by G. E. Potter of Springfield, Mass. Richards Bros., also of Springfield, are the builders.

**SUMMARY OF THE WEEK.**

Reports from the Principal Cities and Towns of the Country.

**Boston.**

**BRICK BUILDINGS.**—For the week ending Sept. 26, only two permits were issued, one to Moody Merrill, for a car-house 60' x 100'; the other to Wm. Hunt for a three-story dwelling-house, measuring 19' x 60'.

**WOODEN BUILDINGS.**—Permits for twelve buildings, of which one-half are to be dwelling-houses, have been issued to the following builders: J. H. Coffin, A. M. Donald, Lord & Burnham, O. Ecker, W. H. Gordon, J. Hammond, J. Hannerbe, H. Bailey, R. L. Brown, and J. Conroy.

**REPAIRS.**—Permits for repairs upon sixty-six buildings have been issued, the greater number of them being wooden dwelling-houses.

**Chicago.**

The following is a list of buildings for which permits have been issued during the three weeks ending Sept. 22, 1877:—

B. Schwarz, three-story and basement brick dwelling, 22' x 50', at 98 Sedgwick Street; cost \$5,000; William N. Arend, architect. William S. Thompson, two-story and basement brick dwellings, each 21' x 58', Clark Street; cost \$9,000; Boyington and Roberts, architects. Anton Temple, three-story and basement brick dwelling, 23' x 64', Clark Street; cost \$6,000; A. H. Gottig, architect. J. H. McAvoy, 3 brick ice-houses, 98' x 98', South Park Avenue, near 23d Street; cost \$20,000. F. M. Johnson, 4 brick warehouses, 77' x 65', West Water Street; cost \$3,000; George H. Edbroke, architect. A. H. Burley, two-story basement and attic brick dwelling, 35' x 54', corner Dearborn Avenue and Chestnut Street; cost \$10,000; Burnham and Root, architects. G. Wendt, two-story and basement brick store and dwelling, 25' x 60', Van Buren Street; cost \$5,000; William Blanke, architect. J. & G. Johnson, 2 four-story brick dwellings, each 21' x 50', 185 and 187 Division Street; cost \$10,000; Shaleen, architect. J. Brooks, two-story and basement brick dwelling, 22' x 48', at 630 Sedgwick Street; cost \$3,500. D. Wells, 3 three-story basement and cellar brick brown-stone front apartment houses, each 22' x 56', Harrison Street; cost \$24,000; C. T. Thomas, architect. L. Brentano, 4 three-story and basement brick stone-front dwellings, each 21' x 40', La Salle Street; cost \$24,000; Florsheim, architect. J. Kristufek, three-story and basement brick store and dwelling, 24' x 80', at 487 South Canal; cost \$8,000; John V. Benesh, architect. G. W. Bishop, 5 two-story brick dwellings, each 20' x 36', Grenshaw Street; cost \$12,500; Geo. H. Edbroke, architect. P. Snider, three-story basement and brick store and dwelling, 24' x 70', 273 North Avenue; cost \$6,500. George Lassig, two-story brick warehouse and office, 40' x 88', Clark; cost \$3,000. O. W. Clapp, two-story basement and attic brick dwelling, 38' x 50', Prairie Avenue; cost \$15,000; Burnham & Root, architects. F. T. Forsberg, three-story and basement brick store and dwelling, 24' x 65', 292 West Indiana Street; cost \$7,000; C. O. Hansen, architect. M. P. Yorke, four-story and basement brick store, 20' x 80', at 247 South Water Street; cost \$8,000; Burling & Adler, architects. Ursin and Scheldrup, 4 two-story brick dwellings, each 20' x 44', Robey Street; cost \$10,000; L. G. Hallberg, architect. A. Weage, 6 two-story and basement brick dwellings, each 20' x 36', Artesian Avenue and Hubbard Street; cost \$15,000. A. G. Bottger, two-story and basement brick dwelling, 21' x 46', at 135 West Huron Street; cost \$3,000. William Fox, three-story and basement brick stone-front dwelling, 20' x 44', Ontario Street, near St. Clair; cost \$6,000; Treat & Foltz, architects.

John Retsim, two-story brick dwelling, 22' x 50', at 31 Johnson Street; cost \$2,500. C. A. Johnson, 5 two-story and basement brick dwellings, each 20' x 36', Market and Ohio Streets; cost \$12,500; C. O. Hansen, architect. T. Lynch, two-story and basement brick dwelling, 22' x 40', Taylor Street; cost \$4,000; Egan and Hill, architects. C. W. & E. Partridge, 5 two-story and basement brick stone-front dwellings, each 20' x 38', Cottage Grove Avenue; cost \$17,500. A. Meistrik, two brick dwellings, 22' x 47', at 143 Bunker Street; cost \$2,000; Aug. Louba, architect. A. Williams, 8 two-story brick dwellings, each 20' x 40', Ashland and Cypress Streets; cost \$20,000. A. Cowles, four-story and basement brick store, 40' x 64', LaSalle Street, cost \$10,000; Burling and Adler, architects. Mrs. C. M. McLane, three-story and basement brick; stone-front dwelling, 25' x 40', Adams Street; cost \$15,500; Boyington and Roberts, architects. Adolph Ober, two-story basement and attic brick dwelling, 25' x 47', at 472 North Wells Street; cost \$5,000; J. Schwiezer, architect. Edward Engle, two-story basement and attic brick stone-front dwelling, 40' x 70', State Street; cost \$15,000; Burnham and Root, architects. Theo. Francois, two-story brick stone-front store and dwelling, 24' x 56', at 247 West Taylor Street; cost \$3,500; A. Bessler, architect. O. O. Holton, two-story basement and brick dwelling, 21' x 46', Evergreen Avenue; cost \$2,500; Emerson, architect. C. J. L. Myer, five-story brick addition to factory, 61' x 48', on North Pier; cost \$5,000; F. & E. Bauman, architects. William Burn, two-story and basement brick warehouse, 40' x 54', North Canal Street; cost \$4,000. A. J. Snell, three two-story and basement brick stone-front dwelling, each 17' x 44', Ada Street; cost \$9,000; G. Zucker, architect. L. Z. Lieter, five-story and basement brick store, 20' x 190'. L. Lieter, three-story and basement brick building, for use of fire-patrol, 25' x 100', Monroe Street, near LaSalle; cost \$20,000. Ludwig and Krueger, two-story and basement brick dwelling, 20' x 40', at 267 North Wells Street; cost \$3,000. S. P. Parmley, two-story basement and attic brick dwelling, 44' x 70', Grand Boulevard Street; cost 15,000; John Mackay, architect. Henry M. Hooker, four-story and basement brick store and dwelling, at 127 West Madison Street; cost \$7,000; H. L. Gay, architect. James U. Borden, 5 two-story brick, stores and dwellings, each 20' x 48', Harrison and Morgan Streets, cost \$15,000; Strippelman & Ender, architects.

Total number of buildings 84, costing \$398,500  
Buildings costing less than \$2,000 each 40, costing 52,800

Total for three weeks, 124 buildings, cost \$451,300

**Brooklyn, N.Y.**

**BUILDING PERMITS.**—Baltic Street, one four-story brick tenement, 20' x 60'; owner, J. W. Dearing. Keep Street (No. 209), one three-story brick dwelling, 20' x 40'; owner, William R. Ostrander, 19 Ann Street, New York; architect, J. H. Giles. Macdonough Street, four two-story brown-stone dwellings, 17' 6" x 42'; owner, George White. Penn Street, four three-story brown-stone dwellings, 20' x 42'; owner, John Demithorn, 843 Dean Street; architect, R. Dixon; builder, A. Bassett. Sacket Street, one four and five story brick chemical-factory, 140' x 90'; owner, J. M. Taylor, 112 Liberty Street, New York; architect, S. Curtiss; builders, Mr. J. Lowery & Son, and Leonard & Ebery. Sixth Street, two two-story brown-stone dwellings, 40' x 40'; owner, J. Greenwood. Eighth Street, one two-story frame dwelling, 31' x 34'; owner, George Krull, 136 Eighth Street; builders, J. J. Walton and F. D. Morris. South Eleventh Street, one three-story brick storehouse, 39' 9" and 37' x 23' 7" and 11' 11"; owner, J. McMoughlin, on premises; architects, T. E. Thomson and H. F. Noltee. DeKalb Avenue, two three-story brick buildings, 20' x 50'; owner, C. H. Oliver, 161 Halsey Street; architect, R. Dixon; builder, T. J. Oliver. Graham Avenue, two four-story brick tenements, 25' x 50'; stable, 22'; owner, Charles Schucardt, on premises; architect, J. Platte; builders, G. Lehrain and J. Frisse. Park Avenue, two three-story brick stores and dwellings, 20' x 45'; owner, E. H. Krugler; architect, S. Harrison; builder, A. Hafke. Putnam Avenue, two three-story brick dwellings, 14' 3" x 56'; owner and carpenter, John Hayes, 127 1/2 Stockton Street; architect, D. Van Pelt; mason, P. Costello. Throop Avenue, one two-story stable, 25' x 27'; owner, J. Glusling, 351 Throop Avenue. Wither Street, one two-story frame dwelling, 20' x 36'; owner, J. Dibble.

**Cleveland, O.**

**CHURCH.**—The Woodland-avenue Presbyterian Church is about to build a new edifice at the corner of Woodland avenue and Kennard street. The portion containing the audience room is 90' by 90'. It will seat, with the gallery, 1,200 persons. It is to be arranged on the amphitheatrical plan. There is also to be a building about 80' by 90', for Sunday school, lecture-

room, parlors, etc. The whole is to be of brick and stone, plain in style, and the outside constructed in accordance with the plan of the interior. It will cost about \$20,000. Mr. F. S. Barnum is the architect.

**New York.**

**ARMORY.**—The corner-stone of the new Seventh Regiment armory will be laid on Oct. 4.

**BUILDINGS PROJECTED.**—For week ending Sept. 26, seventeen in number, consisting of stores, flats, dwellings, churches, etc. Total value, \$173,300.

Owners.	Architects.	Builders.
M. Thompson.....	F. S. Barnes.....	F. Eddy.....
A. Finck & Son.....	C. F. Rider.....	Fessler & Moffert.....
F. Ceglin.....	T. R. Jackson.....	W. H. & C. Gedney.....
Mrs. F. Hendricks.....	W. T. Beer & Son.....	A. N. Van Tassel.....
Vestry, Grace Church.....	W. T. Beer & Son.....	J. & W. C. Spear.....
Vestry, Grace Church.....	T. J. Deral, jun.....	Owner.....
F. B. Wallace.....	Valentin Woodruff.....	Owner.....
Mrs. M. Baldwin.....	H. J. Hardenburgh.....	J. J. Tucker.....
S. Mills.....	M. A. Smith.....	F. J. Vanderbilt.....
J. Walker.....	W. W. Gardiner.....	H. E. Sherwood.....
Joseph Richards.....	Geo. L. Baxter.....	Owner.....
Henry Tucker.....	C. C. Burk.....	P. J. Vanderbilt.....
J. P. Hale.....	John McIntyre.....	Owner.....
John Conolly.....	P. McQuade.....	Patrick Burns.....

**CHURCH.**—The new Grace Episcopal Church about to be erected on 116th Street, near 3d Avenue, is to be in the early English style of architecture. It will be built of light sandstone from Cluster, N.J., with finish of Connecticut brown stone. The portico on the front will have polished granite shafts, and carved marble caps to columns. There will be a tower on each angle of the front, and a large central rose window on the gable. The church will be cruciform in plan, and lighted by clerestory windows and from the transepts on each side; a basement underneath will be fitted up, and used as a Sunday school. The extreme size is 100' x 46'; transepts, 10' x 20'. The interior fittings will be of elaborate description. The total cost will be \$50,000. Architects, Messrs. W. T. Beers & Son, 869 Broadway, N.Y.

**Philadelphia.**

Permits issued during the week ending Sept. 22, 1877:—

Price & Hawkins, three-story shop, 16' x 40', No. 2,411 North Second Street; J. Koella, two-story front building, 16' x 18', Elwood Lane; J. Myers, two-story dwelling, 16' x 16', north side Westmoreland Street, East Tenth Street; J. S. Culbertson, six three-story dwellings, 16.8' x 42', Master Street; R. E. Hall, two three-story dwellings, 12' x 16', No. 1,813 North Fifth; J. A. Scott, three-story addition to factory, 24' x 43', No. 316 Ella Street; S. Stillwell, four two-story dwellings, 15' x 28', Cooke Street; Real Estate Improvement Co., two two-story dwellings, 12' x 40', Nevada Street; J. Klebe, two-story dwelling, 16' x 40', No. 915 Arizona Street; Keeley, Brownback & Co., four three-story dwellings, 16' x 53', Sixth Street; Myers & Lapp, five-story mill, 122' x 46', Taylor Street; J. T. Hammond, two-story factory, 30' x 60', Hedge Street; C. O. Kronglowicz, three-story store and dwelling, 17' x 35', corner Otter and Sophia Streets; C. S. Levy, three-story store and dwelling, 17' x 46', Germantown Avenue, north of Tioga Street; C. S. Levy, two-story store, 40' x 40', corner Fifth and Pine Streets; J. Oldknow, three two-story dwellings, 14' x 32', York Street; C. Fox, two-story dwelling, 18' x 44', Stillman Street; H. Hazlett, two three-story dwellings, 15' x 50', Fountain Street; H. Wendell, two three-story dwellings, 18' x 32', Thirty-third Street; J. Wagner, two-story dwelling 16' x 30', corner Eleventh and Harmer Streets; J. P. Brennan, two-story dwelling, 18' x 42', corner Fifty-second and Chestnut Streets; J. P. Brennan, two two-story dwellings, 16' x 42'; corner Fifty-second and Chestnut Streets; J. P. Doyle, two-story dwelling, 15' x 30', Twenty-second Street. S. G. Spicer, two two-story dwellings, 14' x 42', Forty-second Street; J. C. Stretch, two-story dwelling, 15' x 42', Forty-second Street; E. Davis, two two-story dwellings, 15' x 30', Thirty-seventh Street; T. Malone, two-story front building, 16' x 13, No. 600 North Thirty-seventh Street; J. Mellor, two-story dwelling, 16' x 32', South Street; J. Jackson, three-story dwelling, 17' x 28', Carpenter Street; Good Hope Improvement Co., six three-story dwellings, 16' x 44', Moore and Mifflin Streets; J. Armstrong, two-story dwelling, 902 Mifflin; L. Havens, two-story building, 56' x 100', Hudsons Alley; L. Havens, two-story office, 60' x 44', Hudsons Alley; H. W. Malloy, two two and three story dwellings, 16' x 44', Fifth Street; A. White, four three-story stores, 15' x 20', Seventh Street; J. Harper, two-story dwelling, 14' x 14', cor. Terrace and Hermit Streets; A. Hunt, two-story dwelling, 16' x 30', No. 520 McKean Street; H. Wendell, six two-story buildings, 16' x 40', Pearl Street; A. Wunder, two-story dwelling, 16' x 42', Second Street; Lynch and McGettigan, five two-story dwellings, 16' x 40', Federal Street; E. Weigel, three-story dwelling, 18' x 63', No. 1235 North Fifth Street.

St. Louis. BUILDING PERMITS.—There were forty-six building permits issued for the week ending Sept. 21. Of these thirty-six were for brick buildings; the remainder for frame structures of small value. Of the former, those for \$2,500 or over were as follows:—

Table with 5 columns: Owners, Use, Stories, Rooms, Cost. Lists various building projects in St. Louis with their respective details.

General Notes.

BALTIMORE, MD.—The corner-stones of two African Methodist Episcopal churches have been laid during the last month.

BALTIMORE, MD.—The new seminary of St. Sulpice has been completed, and was formally opened on the 23d inst.

DALTON, MASS.—Mr. Crane is building a new paper mill.

EAST HARTFORD, CONN.—Mr. Darling is building a block of stores and tenements 45' x 102',—Marcy, builder. Mr. Collins is building two cottages of brick and brown stone, to cost \$5,000 and \$8,000, respectively; P. Whiton, builder. Mr. E. S. Warren has prepared the drawings for both the above-mentioned gentlemen.

HOLYOKE, MASS.—The Parsons Paper Company, which manufactures the paper from which postal cards are made, has offered to build a factory in Holyoke for the postal-card contractors, the American Phototype Company, and give it to them rent free, if they will remove the business from New York to Holyoke. The offer will probably be accepted.

KANSAS CITY, KAN.—J. McGonigle has the contract for building the depot.

LOWELL, MASS.—A new building of brick or wood, 25' x 60', and three stories high, is to be built on the city farm, for sleeping apartments for the male population.

LYNN, MASS.—The Building Committee of the First Methodist Church held a meeting at the residence of Dr. A. M. Cushing on Saturday, Sept. 15, for the purpose of examining plans for a new church edifice. It was voted to accept the plans presented by W. G. Preston of Boston, which provide that the church shall be built of brick, with free-stone finish, and with a spire 100 feet high. A vestry will be in the rear, and in the basement will be a kitchen and dining-room. The seating capacity of the church will be 1,500, and the vestry 600. The contract has been awarded to J. F. Kibbey & Son. It is to cost about \$40,000.

NEWPORT, R.I.—Pierre Lorillard's new house will have a frontage of 150 feet, and will cost \$80,000, without furniture or lawn embellishments.

NORTHAMPTON, MASS.—Work on the new opera-house is progressing finely. The stage is built, and the whole ready for plastering.

ORANGE, N.J.—The corner-stone of a chapel for Grace Church was laid a short time ago.

OTTAWA, ILL.—Mr. H. C. Furness, architect, let the contracts for the construction of the Holy Trinity Catholic church of this city, Sept. 17. It is to be a Gothic structure, of Au Sabre sandstone. It will cost \$150,000. Mr. Furness was also architect for Mercy Convent, and is now engaged upon several fine business blocks for our city, costing from \$10,000 to \$50,000.

PAWTUCKET, R.I.—The new Baptist church at Central Falls was dedicated on Sept. 17. Its entire cost, including land, was \$30,000, on which there is a debt of \$8,000.

PORT CHESTER, N.Y.—W. T. Beers & Son, architects, are erecting a residence for Mr. E. R. Wesley, 60' x 80', to be three stories high, with Mansard roof. It will have two towers; will be built of Philadelphia brick, with Dorchester stone finish, and have rolled iron beams and brick arches for floors; the whole building to be thoroughly fire-proof. There will be a large stone portico and veranda constructed of iron. It will be in every respect a first-class residence. Total cost about \$45,000.

PROVIDENCE, R.I.—The new grammar school-house just completed, strange as it may seem, cost \$4,000 less than was appropriated for it.

SOUTH OIL CITY, PENN.—Mr. J. B. Smithman is building himself a \$6,500 house from the designs of J. M. Blackburn of Cleveland, O.

TOPEKA, KAN.—The State armory is being built by J. Lindel, from plans drawn by E. T. Carr, architect, of Leavenworth.

WASHINGTON, IND.—The corner-stone of the new court-house was laid Aug. 25.

INDEX OF CURRENT WORK.

Giving information concerning important buildings now unfinished.

Boston, Mass.

CHURCH.—Cost \$75,000. Mr. John Welch, architect, Brooklyn, N.Y. HOTEL.—Hotel Sumner. E. B. Horn, owner. Messrs. Appleton & Stephenson, architects, Boston, Mass. HOTEL.—Hotel Comfort. \$80,000. L. Weisslein, architect. W. Sheafe, owner. HOTEL.—Creighton House. C. Fehmer, architect. POST-OFFICE.—James G. Hill, Supervising Architect Treasury Department. SCHOOLS.—High and Latin School. G. A. Clough, architect.

Brooklyn, N.Y.

CONCERT GARDEN.—F. H. Coles, architect. Cost \$50,000. HOSPITAL.—Church Charity Foundation of the Protestant Episcopal Diocese of Long Island. N. L. Derby, architect, New York.

Chicago, Ill.

CHURCH.—Jefferson-park Presbyterian. J. C. Cochrane, architect. STORE.—D. W. Kendall, architect. \$32,000.

Cincinnati, O.

AQUARIUM.—James W. McLaughlin, architect. STORE.—Alms & Doepke, owners. Hannaford and Procter, architects. MUSIC HALL.—Hannaford and Procter, architects. STORES.—G. P. Humphries, architect. \$10,000.

Cleveland, O.

CONVENT.—Ursuline Academy. L. A. Heard, architect. \$120,000. CHURCH.—Heights Congregational Church. Walter Blythe, architect. BLOCK OF STORES.—Corner Erie Street and Woodland Avenue. Griese and Witt, architects and builders. PUBLISHING HOUSE.—Evangelical Publishing Association. \$45,000. J. M. Blackburn, architect.

Hartford, Conn.

TRINITY COLLEGE.—F. H. Kimball, supervising architect. ORPHAN HOME.—F. H. Kimball, architect.

New York.

CONVENT OF THE SISTERS OF ST. JOHN.—E. G. Littell, architect. CHURCH.—Roman Catholic Church, West Fifteenth Street. Cost \$150,000. ORIENT INSURANCE COMPANY'S BUILDING.—A. H. Thorp, architect. \$125,000. QUEEN'S INSURANCE COMPANY'S BUILDING.—Clinton & Tibson, architects. \$100,000. STORE.—G. Thomas, architect. Cost \$20,000.

Philadelphia.

CHURCH.—Central Presbyterian. Collins and Andenreith, architects. G. Watson, builder. HOSPITAL.—Presbyterian Hospital. Wilson Bros., architects. OFFICE BUILDING.—Girard Trust. THEATRE.—Chestnut-street Theatre.

General.

AKRON, O.—First Universalist Church. \$35,000. F. O. Weary, architect. ANDERSON, IND.—Asylum. M. E. May, architect, Indianapolis, Ind. ANN ARBOR, MICH.—Court-house. Mr. Bunting, architect. Indianapolis, Ind. ARCADIA, WIS.—Court-house and Jail. C. G. Maybury, architect. Winona, Minn. \$25,000. BALTIMORE, MD.—Church of St. Michael and All Angels. \$80,000. Wyatt & Sperry, architects. BELFAST, ME.—Masonic Temple. G. M. Harding, architect. Boston, Mass. BUFFALO, N.Y.—St. Peter's Evangelical Church. M. E. Rose, architect. CHATTANOOGA, TENN.—Court-house. A. C. Bruce, Knoxville, Tenn., architect. DES MOINES, IO.—State House. Bell & Hackney, supervising architects. FAIRBANKS, MINN.—Deaf, Dumb, and Blind Asylum. J. Babcock & Co., contractors. \$53,430. GALVESTON, TEX.—Cotton Exchange. Gibbs & Moser, architects. GARDEN CITY, LI.—Stewart Memorial Church. H. G. Hattison, architect. GOSHEN, IND.—Opera House. \$22,000. Noble & Son, owners. GREENSBURG, IND.—Hotel. \$18,000. Ketcham & Gibson, architects, Indianapolis. HOROKEN, N.Y.—St. Matthew's Church. Mr. H. Englebert, architect, New York. JERSEY CITY.—Catholic College. L. O'Connor, architect. JOLIET, ILL.—St. Mary's (Roman Catholic) Church. Mr. Kelly, architect, Brooklyn. KANSAS CITY, MO.—Union Depot. Bernard Malone, contractor. \$100,000. OIL CITY, PENN.—Exchange. \$75,000. J. M. Budge, jun., architect. ROBE, GA.—Shorter Female College. J. A. Cooley, contractor. SACRAMENTO, CAL.—Masonic Hall. Carle & Croly, contractors. SING SING, N.Y.—Methodist Church. Cost \$48,000. SPRINGFIELD, ILL.—State House. J. C. Cochrane, architect. Cost \$40,000. WABASH, IND.—Court-house. B. V. Enos & Son, architects. Cost \$100,000. WATERBURY, CONN.—Methodist Church. \$40,000. WATERGATE, ILL.—Court-house. H. C. Koch, architect. Cost \$40,000. ZANESVILLE, O.—Hotel. H. E. Myers, architect. Black & Graham, owners. \$75,000.

CLASSIFIED ADVERTISEMENTS.

Table listing various architectural services and products. Columns include ARCHITECTS, ARCHITECTURAL BOOKS, ASPHALT AND OTHER (FELT) ROOFING, BLINDS, BRICK, CEMENT, CHURCH FURNITURE, CLOCKS FOR PUBLIC BUILDINGS, DECORATIONS, ELEVATORS, FIRE-PROOF BUILDINGS, FURNITURE AND DECORATION, GAS FITTINGS, GAS MACHINES, GRANITE, HARDWARE, HEATING APPARATUS, HINGES (SPRING), HOTCHKISS' TOWER CLOCK, IRON BRIDGES, IRON MERCHANTS, IRON WORK FOR BUILDINGS, MARBLE WORKERS, MARQUIS BASKET HOPPER, ORNAMENTAL IRON AND BRONZE WORKS, PAINT, PAPER HANGINGS, PERFORATED SEATING, PLUMBERS' SUPPLIES, ROOFS, ROOFING FELT, ROLLING VENETIAN BLINDS, SCAGLIOLA AND MAREZZO MARBLE.

Publishers' Department.

THE AMERICAN ARCHITECT AND BUILDING NEWS is published every Saturday, at \$7.50 per year, or \$6.00 if paid in advance. Single copies, 15 cents. Advertisements, on page 1 and pages next to editorial matter, 12 1/2 cents per line (agate), or \$1.75 per inch (14 lines) for one insertion. One inch, one month, \$7.00; three months, \$20.00; six months, \$40.00; nine months, \$58.00; one year, \$70. Other pages, 10 cents per line, or \$1.40 per inch, one insertion. One inch, one month, \$5.00; three months, \$16.00; six months, \$30; nine months, \$42.00; one year, \$50.00. No extra charge for cuts or for advertisements that occupy more than a column in width. Payment should be made directly to the publishers, either by draft or by Post-office order. JAMES B. OSGOOD & Co., Publishers, Washop Square, Boston.

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**PROPOSALS.**

**PILES AND FOUNDATIONS.**

**BOSTON, MASS.**  
 Sealed Proposals will be received at the Branch Office of the City Architect, Warren Avenue, until Friday, Oct. 5, at 12 o'clock, M., for furnishing all the materials and doing all the labor required to build and complete the piling and stone-work for the foundation of the new English High and Latin School Buildings, Warren Avenue.  
 Proposals are to be addressed to John E. Fitzgerald, Esq., Chairman of Committee on Public Buildings, and indorsed "Proposals for piling and stone-work for foundations of English High and Latin School Buildings."  
 Each bid deposited must be signed by the bidder and accompanied by a bond for \$3,000, conditioned for the execution of the contract (with a satisfactory bond for its performance), within four days, in case the bid be accepted.  
 The sureties of the bonds, both for the proposals and for the contract, must be satisfactory to the Committee on Public Buildings. No bid will be considered which has not responsible sureties upon its accompanying bond.  
 The amount of security required for the performance of the contract will be such sum as may be fixed by the Committee on Public Buildings, after the proposals are opened; said sum not being less than one-fourth nor more than two-thirds of the amount of the contract.  
 Bidders are requested to fill out and use the printed form of the proposal and the bonds accompanying the specifications and contract.  
 The Committee reserve the right to reject any or all proposals received. For plans and specifications, apply at the office, on the site of the building.  
 For the Committee, JOHN E. FITZGERALD, Chairman.

**CAST IRON FRAMES.**

**WASHINGTON, D.C.**  
 Proposals for furnishing, delivering, fitting, and putting in place the cast iron window and door frames, with ornamental trimming, in the second, third, fourth, and attic stories of the East Wing of the Building for State, War, and Navy Departments at Washington, D.C., will be received until noon of October 16, at the Office of Building for State, War, and Navy Departments, corner Seventeenth and F Streets, and opened immediately thereafter. Blank forms, specifications, and any desired information, can be had on application at said office. Proposals from parties not themselves directly engaged in the manufacture of fine cast iron work, or who do not possess the necessary facilities for promptly fulfilling a large order, will not be received.  
 THOMAS LINCOLN CASEY,  
 Lieut.-Col. Corps of Engineers, U. S. A.

**IRON WIRE ROPE SOCKETS.**

**BROOKLYN, N. Y.**  
 Sealed proposals will be received by the Trustees of the New York and Brooklyn Bridge until the 1st day of October, 1877, for the manufacture and delivery of about 1,300 wrought iron wire rope sockets. Drawings may be seen at the Bridge Office. A tracing and specifications will be sent upon application.  
 The bids must be addressed to the trustees of the New York and Brooklyn Bridge, No. 21 Water street, Brooklyn, and marked "Proposals for Sockets."  
 W. A. ROEBLING, Chief Engineer.

**STONE.**

**BROOKLYN, N. Y.**  
 The Trustees of the New York and Brooklyn Bridge, Office No. 21 Water St., Brooklyn, Aug. 28, 1877.  
 Sealed proposals will be received by the Trustees of the New York and Brooklyn Bridge, until 12 M., Monday, Oct. 1, for about twenty thousand cubic yards of granite face, arch, and other stone; also for about three thousand lineal feet of granite parapet stone, for the New York and Brooklyn approaches to the East River Bridge.  
 Plans can be seen, and specifications obtained, at the Engineer's office, and specifications will be sent upon application at the office of the Trustees.  
 The proposals must be directed to the Trustees of the New York and Brooklyn Bridge, 21 Water Street, Brooklyn, indorsed, "Proposals for Stone for Approaches."  
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**COMPETITIONS.**

**NOTICE TO ARCHITECTS.**

**OFFICE OF THE STATE HOUSE COMMISSIONERS, INDIANAPOLIS, IND., Sept. 12, 1877.**  
 In accordance with a provision in Section 4 of an act for erecting a  
**NEW STATE HOUSE FOR THE STATE OF INDIANA.**  
 Notice is hereby given that ninety days from this date the Board of State House Commissioners will proceed to examine such plans and specifications for the same as may be submitted to them by competing architects. Said building to be erected in the city of Indianapolis, Indiana, and not to exceed in cost two millions of dollars. Further and full information will be furnished on application to  
**GEN. JOHN LOVE,**  
 Vice President of the Board,  
 Indianapolis, Ind.

**SCHOOLHOUSE.**

**STRAFORD, ONT.**  
 Plans will be received up to October 3, next, for a High School building, to be erected in the town of Stratford, Ont., with basement for play-rooms, two-story brick, containing eight departments and assembly-room, cloak and hat rooms for each department, Mansard slate roof, interior to be fitted for a lecture-room; cost not to exceed \$10,000.  
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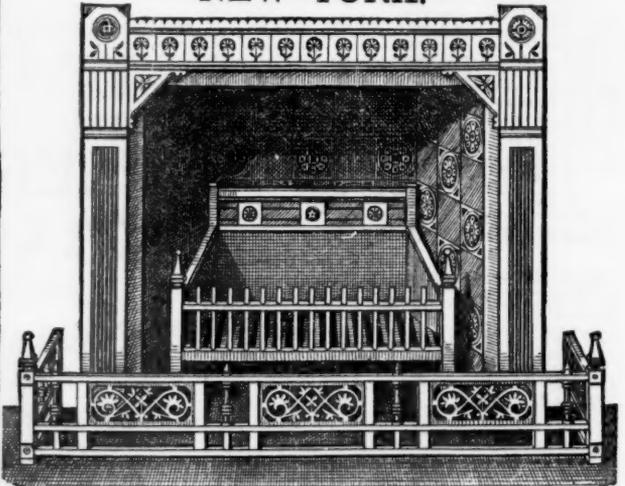
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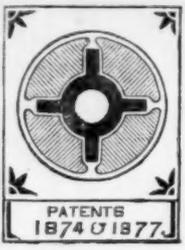
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Table for I. C. coke, 10 x 14; I. X. charcoal, 10 x 14; I. C. charcoal, 14 x 20; I. X. charcoal, 14 x 20; I. C. coke, 14 x 20; I. C. coke, terre, 14 x 20; I. C. charcoal, terre, 14 x 20; ZINC - Duty, sheet; Sheet (gold) foreign.

Table for LEAD (Bar, Sheet, Pipe) and DISCOUNT (10 per cent to trade).

BOSTON.

PRICES TO CONTRACTORS AND BUILDERS.

Table for FIRE BRICK (Waldo Bros. Extra, Waldo Bros. No. 1, Waldo Bros. No. 2, Portland Stone Ware Co., No. 2, Portland Stone Ware Co., No. 1, Portland Stone Ware Co., No. 1 extra).

Table for BUILDING BRICKS (Eastern, Bay State).

Table for LUMBER (Michigan pine - Nos. 1 and 2; Saps; Black Walnut - Nos. 1 and 2; Culls; A-h - Nos. 1 and 2; Cherry; White wood - Nos. 1 and 2; Oak; Eastern pine - Nos. 1, 2, and 3; Spruce - random cargoes scantling and plank; Hemlock Boards; Laths - Spruce; Pine; Shingles - Spruce; Pine shaved; Sawed extra, 16 and 18 in.).

Table for PAINTS AND OILS (Whiting; Paris white, English; Zinc, white, in oil; Lead, white, American, in oil, pure; Ochre, French, dry; Venetian red, English; Chrome yellow, in oil; Paris green, pure; Putty; Sienna, in oil; Umber, burnt, in oil; Umber, raw; Umber, raw, in oil; Black, Lamp, in oil; Black Paint, in assorted cans; W. Bros. & H's Bay State Colors in kegs or pails).

Table for LIME (Quoted at 85c per cask for Rockland and Rockport).

Table for CEMENT (Rosendale; Portland; Roman; Keene's coarse; Keene's fine).

Table for BUILDERS' HARDWARE (Nails; Azle Pulleys - Steel; 2-in. Pennsylvania make; 2-in. Boston make; Sash Weights; Sash Line; Best hemp; Best linen).

Table for Door Butts (Japanned Acorn; Plain Ironed Iron; Ornamental Bronzed Iron; Ornamental Bronze Metal).

Table for Mortise Locks (3 1/2 to 4 1/2 in.; Do. for front doors; Factory make, plain front; Factory make, bronze front; Factory make, plain front).

Table for Door Knobs (Solid glass; Silvered glass; Cut glass; Nickel plated; Bronze metal).

Table for Sash Fastenings (Plain brass; Plain brass, self-locking; Nickel plated, self-locking; Bronze metal, self-locking).

Table for Screws (Round head, nickel plated; for window beads).

Table for Store Door Handles (Lacquered brass; Bronze metal).

Table for IRON (Wrought-iron I Beams; Wrought-iron I Beams; Wrought-iron Channel Beams; Wrought Angle I on; Wrought T Iron; Wrought Girder Plates; Wrought Girder Rivets).

CHICAGO.

PRICES TO CONTRACTORS AND BUILDERS.

Table for BRICK, LIME, AND CEMENT (Lime, in bulk; Lime, in bbls; Chicago building brick; Sewer brick; Indiana pressed brick; Fire brick; Cement, Utica and Louisville; Cement, Akron; White sand; Plaster paris, Michigan; Plaster paris, New York; Fire clay; Plastering-hair).

Table for LUMBER (Michigan Pine) (First and second clear, 1 to 2-in.; Third clear, 1 1/2 to 2 in.; Select, 1-in. A.; Select, 1-in. B.; Select, 1 1/2 to 2-in. A.; Select, 1 1/2 to 2-in. B.; Wagon box boards, 13 in. and upward; A stock boards, 10 to 12-in.; B stock boards, 10 to 12-in.; Common stock boards, 12 in.; Common boards, 12 to 20 ft.; Fencing, 12 to 16 ft.; Round cedar posts; Joist and scantling, 12 to 18 ft.; Joist and scantling, 20 ft.; Joist and scantling, 22 ft.; Flooring, first and second clear, rough; Flooring, first common, rough; Flooring, second common, rough; Flooring, first common, dressed; Flooring, second common, dressed; Siding, first and second clear, dressed; Siding, first common, dressed; Timber, sawed, 12 to 16 ft.; Pickets, square; Pickets, flat; Shingles, sawed A.; Shingles, sawed, No. 1; Lath; Dry A shingles, on track).

Table for HARDWOOD LUMBER (Whitewood, clear; Whitewood box boards; Whitewood box boards, B; Whitewood select; Whitewood, common; Whitewood culls; Ash; Ash, clear flooring, 3 and 4-in., dressed and matched; Ash, clear flooring, 6-in. dressed and matched; Oak, clear; Oak, common; Hickory; Black walnut, counter-tops; Black walnut, clear; Black walnut, first and second; Black walnut, common; Black walnut culls; Black walnut, clear flooring, 3 and 4-in., dressed and matched; Cherry, first and second; Butternut, first and second; Maple, clear flooring, 4 and 6-in., dressed and matched; Florida red cedar; Mahogany; White holly).

Table for METALS AND TINNERS' STOCK (Tin plate, 1 C 10 x 14, charcoal; Tin plate, 1 X, 10 x 14, charcoal; Tin plate, 1 C, 12 x 12, cha coal; Tin plate, 1 X, 12 x 12, charcoal; Tin plate, 1 C, 14 x 20, charcoal; Tin plate, 1 X, 14 x 20, charcoal; Tin plate, 1 XX, 14 x 20, charcoal; Tin plate, 14 x 14, charcoal; I C roofing, 14 x 20, charcoal; I C roofing, 14 x 20, charcoal; I X roofing, 20 x 28, charcoal; I X roofing, 20 x 28, charcoal; I C roofing, 14 x 20, coke; 10 x 20 coke (for gutters), 250 sheets; Pig tin, large (60 lbs.); Pig tin, small (30 lbs.); Pig bar tin).

Table for Roofing tin (Roofing tin in Chicago means lead-coated, but is not used for the best roofs).

Table for Solder (No. 1, 18c; extra, 20c).

Table for Lead (Pig, 3c; bar, 8c; lead pipe, 9c).

Table for Copper (Bottoms, 3c; sheathing copper, 33c).

Table for Sheet Zinc (Full casks, 9c; slabs, 9 1/2 c).

Table for Sheet Iron (No. 24, 3c; rates; Russia Iron, Nos. 9 to 12, 14c; do. No. 1, staked, 13c; American polished A, 12c; B, 10c; galvanized iron, No. 26, 14c, with discount of 35 per cent).

Table for Wire (Nos. 1 to 4, 5c; 5 to 9, 10c; 10 to 11, 11c; 12, 11c; 13 and 14, 12c; 15 and 16, 14c; 17, 15c; 18, 16c; 19, 18c; 20, 20c. Discount of 45 per cent).

Table for NAILS (Strictly pure, 9c.75; fancy brands, 9c.00 to 9c.50).

Table for PAINTS AND COLORS (White Lead; French, \$12.00 to \$13.00; American, \$10.00).

Table for Colors (Chrome yellow, in oil; Umbers and Siennas; Marseilles green; Cutch black; Graining colors; Mineral paints; Ven. r. d. dry; Yellow ochre, dry).

Table for OILS (Linsseed, raw, 82c; boiled, 55c).

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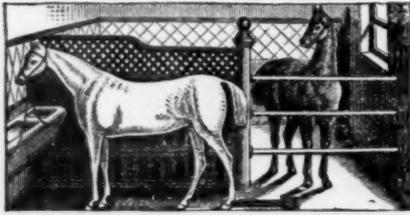
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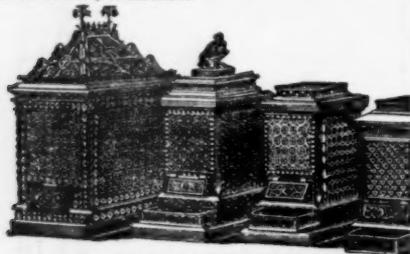
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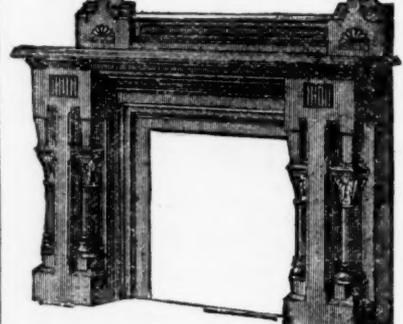
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**BUILDING INTELLIGENCE.**

[Reported for the American Architect and Building News.]

**A RECORD.**

Showing how buildings recently burned are to be replaced.

**LOUISVILLE, KY.**—The building which was occupied by Frank Fehr as a brewery, and which was burned Sept. 12, is to be replaced by a building measuring 130' x 90' and three stories high. It is to be built of stone and brick, by Mr. Chas. Pahlman, builder, from drawings prepared by himself.

**MARLBOROUGH, MASS.**—The building which was occupied by T. A. Coolidge as a shoe-factory, and which was burned July 18, is to be replaced by a building measuring 140' x 33' and four stories high including basement. It is to be built of wood with brick basement, by Mr. Joseph Manning, builder, from drawings prepared by Mr. M. P. Rogers, amateur; and is to be used by T. A. Coolidge as a shoe-factory. As a precaution against future fires, the building has been built with engine and boiler-house separate from the main building, and built of brick with tin roof, 28' x 22'.

**NEW YORK, N.Y.**—Joseph P. Hale has submitted specifications to the Building Department for a new piano-factory on the site of the old one, to cost \$50,000.

**PARIS, TEX.**—The building which was occupied by the Farmers' and Merchants' Bank, and which was burned Sept. 1, is to be replaced by a brick and stone building measuring 26' 8" x 75' 4", and two stories high, to be built of hard-burned brick walls 16" thick; stone trimmings; to be built by Mr. J. McDonald, builder, from drawings prepared by M. W. H. Wilson, architect. It is to be used by the Farmers' and Merchants' Bank as a banking-house. As a precaution against future fires, the building will be built with white rock finish, which is fire-proof, around all openings, with heavy stone columns at the corners. All the rock-work to be ornamental cut-work.

**St. JOHN, N.B.**—The St. John, N.B., Telegraph says that about 700 buildings are going up in that city at the present time, of which 300 are of brick. The number of wooden houses more or less finished or under way is 400, which includes L's and small buildings occupying rear lots, and constitutes one-third of the number. The wooden buildings are generally two or three stories high, with flat gravel roofs, and are better than those burned.

**SUMMARY OF THE WEEK.**

Reports from the Principal Cities and Towns of the Country.

**Boston.**

**BRICK BUILDINGS.**—For the week ending Sept. 27, permits for five brick buildings have been issued to the following builders; viz., Bryant & Potter for a three-story family hotel and stores, measuring 63' x 71'; to S. Stubbs for a three-story block of three dwellings, each measuring 21' x 40'; to C. W. Cole for a three-story machine-shop and foundry, measuring 150' x 50'; to J. Standish for one three-story dwelling, measuring 25' x 56'; and to W. H. Sayward for a stable, measuring 26' x 20'.

**REPAIRS.**—Here as elsewhere the movement in repairs is more active than in new buildings. During the past week, permits for repairs upon forty-eight buildings, of which twenty-two were of brick, have been issued. The total number of permits to repair for the first nine months of this year is about 1,770.

**WOODEN BUILDINGS.**—Permits for wooden buildings have been issued to the following builders; G. M. Starbird, 2 three-story dwellings, 53' x 12'; Taverner, 1 two-story dwelling, 22' x 30'; A. B. Sherman, 1 two-story dwelling, 23' x 32'; C. S. Stone, 1 bake-shop and three-story dwelling, 20' x 29'; G. Wilson, 1 stable, 20' x 18'; H. G. R. Goetzmer, 1 stable, 11' x 15'; A. F. Quigley, 1 stable, 20' x 18'; H. McGilvery, 1 one-story dwelling, 21' x 28'.

**CATHOLIC CHURCH.**—The new St. Mary's Catholic church on the corner of Endicott and Thatcher Streets is completed, with the exception of putting in the pews and tiling the floor. The edifice has cost upward of \$200,000.

**HOTELS.**—The Hotel Cluny on Boylston Street is nearly finished. The Hotel Huntingdon on Huntingdon Avenue is nearly ready to receive the roof.

**Brooklyn, N.Y.**

**BUILDING PERMITS** issued during the week ending Sept. 26 are as follows:—

Bridge St., 3 three-story brick tenements, 16' 8" x 45'; owner, H. Lutzens; architect, A.

Hamilton; builder, C. Bornkamp. Commercial St., 2 three-story brick factories, 40' x 400' and 100' x 400'; owner, C. Dofinger; architect, F. Weber; builder, D. H. Hulse. Herkimer St., 1 two-story frame dwelling, 18' x 40'; owner, O. Sackley; builder, P. Donlan. Hewes St., 4 three-story brown stone dwellings, 20' 10" x 42'; owners, F. C. Vrooman and J. Rawson; architect, F. C. Vrooman. Livingston St., 1 three-story brown stone dwelling, 15' 6" x 40'; owner, S. Inslee; architect, M. J. Morrill; builders, T. B. Rutan and J. Lee. Spencer St., 1 three-story frame tenement, 25' x 42'; owner, P. Reynolds; builder, J. Rueger. State St., 2 three-story brown stone dwellings, 12' 6" x 45'; owner, J. C. Callahan; architect, R. Dixon; builder, T. Fagen. Bushwick Ave. and Woodbine St., 6 three-story brick dwellings, 16' 8" x 40'; owner, J. J. Walker; architects, Rogers & Brown. Bushwick Ave., 1 two-story brick shop, 24' x 18'; owner, H. W. Meyer; architect, J. Platte; builder, V. Bruchhauser. Gates Ave., 1 three-story brown stone dwelling, 20' x 40'; owner, John E. Miller; architect, J. Mumford; builders, Trowbridge & Crane. Lafayette Ave., 1 two-story frame dwelling, 20' x 36'; owner, G. W. Turner. Wythe Ave., 5 three-story brick stores and tenements, 18' x 50'; owners, Morrell & Tiebout; architect, F. Weber; builders, J. & T. Van Riper and Post & Doig.

**Chicago.**

**BUILDING PERMITS** issued during the week ending Sept. 26:—

W. Vass, brick cottage, 19' x 28', Milwaukee Ave.; cost \$1,000. L. Z. Leiter, five-story and basement store, and three-story and basement store, and fire patrol house, 20' x 190', 25' x 100', on Monroe St.; cost \$20,000. Ludwig Krueger, two-story brick dwelling, 20' x 40', 267 North Wells St.; cost \$2,500. H. M. Hooker, four-story brick store and dwelling, 20' x 80', 127 West Madison St.; cost \$7,000. James U. Borden, 5 two-story brick stores and dwellings, 20' x 48', Harrison, corner Morgan St.; cost \$2,000 each. A. L. Crocker, two-story brick barn, Huron St.; cost \$1,000. Second Presbyterian Church, one-story brick mission school, 44' x 90' Calumet Ave.; cost \$6,000. S. I. Russell, one-story brick planing-mill, 84' x 22', corner Laflin and Twenty-second Sts.; cost \$2,500. William Ryan, one-story brick cottage, 22' x 26', corner Oak and Franklin Sts.; cost \$700. F. F. Schell, two-story brick barn, 20' x 25', 543 West Chicago Ave.; cost \$1,000. — Raymond, two-story brick barn, 25' x 40', 111 Calumet Ave.; cost \$2,000. Dr. Wight, do., 119 California Ave.; cost \$2,000. Albert Kretschmer, three-story and basement brick store and dwelling, 20' x 60', 427 Division St.; cost \$4,000. Edward C. Wilhelm, three-story brick dwelling, 34' x 58', Ewing, near Hoyle St.; cost \$8,000. Charles Kendt, one-story brick cottage, Twenty-first St., near Paulina St.; cost \$1,000. Mandel Bros., three-story brick store and dwelling, 50' x 100', corner State and Harrison Sts.; cost \$16,000. Mathias Simon, one-story brick dwelling, 23' x 45', 344 Sedgwick St.; cost \$2,000. Eugene Cavanaugh, two-story brick stone-front dwelling, 24' x 62', 711 West Adams St.; cost \$4,000.

**Cincinnati.**

**MUSIC HALL.**—This building is progressing rapidly. The main room or auditorium is now ready for the roof-trusses, and the front buildings or vestibules are being pushed rapidly. The walls are up as high as the middle of the second story. Philadelphia pressed bricks are being used for the body of the facade, with black brick and Ohio stone for the finish.

**THE SHILLITO BUILDING.**—This building is also progressing rapidly. The walls are all above the ground. There are two stories (basement and sub-cellar) below the basement. It is a large building. The facades above the pavement will be six stories high, built of pressed brick (red), iron, and Ohio stone. J. W. McLaughlin, architect.

**GOVERNMENT BUILDING.**—The first story is now entirely completed, and the work of setting the monolithic columns of the second story is under way.

**DWELLING-HOUSES.**—Mr. Joseph Thorne is about to build a frame house on Walnut Hills, to cost \$8,000; Mrs. S. W. Rogers, architect. Mr. E. N. Freshman is building a brick and stone dwelling-house on Price Hill, to cost about \$11,000. Mr. Freshman is also about to commence the erection of a block of four houses on a lot 100 feet front immediately in the rear of the house above mentioned. These houses are to be built for renting and will cost about \$15,000. Mr. Charles Crapsey is the architect.

**New York.**

**ARMORY.**—The new armory for the Seventh Regiment will occupy the whole block bounded by Fourth Avenue, Lexington Avenue, Sixty-sixth and Sixty-seventh Streets, — 400' x 200'.

The main drill-room on the ground floor will be 200' x 300'. This room will be free from pillars and posts, the roof being supported by eleven wrought-iron arches somewhat similar

to those of the Grand Central Depot. In front, and facing upon Fourth Avenue, is the Administration building, three stories and basement, which covers the remainder of the plat. The facade on Fourth Avenue will have a central tower 160' in height. On the left of the entrance-hall will be the library and reading-room, adjoining which is the room of the Veteran Association. Corresponding with these rooms on the right side of the hall will be a reception-room, and the Board of Officers' room. In the rear on this floor will be the colonel's headquarters, a room for the field and staff, two large square drill-rooms, a room for armorer, and a storage-room. The second story contains ten company rooms. The defence of the armory against an attack from a mob has received due attention. At every angle there are loop-holes for riflemen, enfilading all approaches; so that twenty sharpshooters could keep all enemies at a respectful distance. The windows will be protected by steel rolling shutters with loop-holes. It is now thought that it can be built for less than \$300,000.

**BUILDINGS PROJECTED FOR WEEK ENDING Oct. 2.**—Sixteen in number, consisting of dwellings, tenements, stables, and factories. Total value, \$112,000.

Owners.	Architects.	Builders.
Brian McKenney.....	B. Muldoon.....	Jackson & Johnston..
John E. Smith.....	.....	.....
Carl H. Schulz.....	.....	.....
James McGowan.....	.....	.....
John Kirk.....	W. E. Waring.....	.....
Palagro Podesta.....	J. B. Franklin.....	.....
Joseph Murray.....	John H. Valentine.....	.....
Peter Wassing.....	John H. Valentine.....	.....
John Glass, jun.....	William Grant.....	.....
F. A. Reichard.....	G. B. Pelham.....	B. Sheridan.....
T. Rafferty.....	Thomas H. McAvoy.....	B. Sheridan.....
Municipal Gas Light Co. ....	Thomas F. Rowland.....	J. H. Whittier.....
G. M. C. Klingler.....	M. C. Minott.....	Samuel Lowden.....
Francis Fitzgerald.....	D. J. Macrae.....	Joseph Dunn.....
Mrs. O. Duffy.....	.....	A. Duffy.....

First-class dwellings, four; second-class dwellings, three; tenements, four; factories, three; stables, two. All built of brick.

**THE BROOKLYN BRIDGE.**—Mr. Hildebrand, the architect of the Grand Central Depot, who is at present engaged by the Bridge Company to superintend the New York approach, is now perfecting his plans, and will begin work very soon.

**Philadelphia.**

**MARKET-HOUSE.**—A new market-house, containing three hundred stalls, has just been finished at the corner of Broad Street and Columbia Avenue, at a cost of \$50,000.

**General Notes.**

**BRIDGEPORT, CONN.**—The new St. Mary's Catholic church will be dedicated Oct. 14. It is built of Trenton pressed brick, with granite finish from the Hallowell, Me., quarries. The foundation is of Plymouth granite. The outside length of the building is 145', and the width 72'. The spire rises to a height of 178'.

**CAMBRIDGE, MASS.**—Holyoke House is to have a new iron stairway, costing \$2,000.

**CHAMPAIGN, ILL.**—The contract for the new chemical laboratory of the Illinois Industrial University was let to N. C. Terrell & Co. of Kankakee, Ill., at \$23,896, exclusive of gas, water, and heating fixtures. The building measures about 110' x 74'; stone basement, two stories of brick, and Mansard story. Cut stone steps to first floor at both ends of building, sills and caps of doors and windows of Joliet limestone. It is to be warmed by hot air, heated in a chamber in the basement, and forced through ducts by a fan driven by steam power. State appropriation for building, \$30,000. State appropriation for heating and fixtures, \$10,000. The basement story is nearly completed. The building is to be completed Aug. 1, 1878.

**CHATTANOOGA, TENN.**—Mr. J. B. Patton, of Edgefield, Tenn., has been awarded the contract for building the new court-house.

**COVINGTON, KY.**—The Board of Education propose building an eighteen-room schoolhouse according to the plans prepared for the same by Henry Bevis, architect, Cincinnati, O. It is to be of brick. Cost about \$25,000.

**MOLINE, ILL.**—The Barnard & Leas Manufacturing Company, whose specialty is mill-machinery, are about to erect a large new foundry building, 60' x 80' in size.

**NEWPORT, R.I.**—It is said that a new hotel is to be built near the beach by a stock company with a capital of \$100,000.

**RUTLAND, VT.**—Sixteen proposals for the building of the State work-house have been received by the commissioners. Mr. W. P. Wentworth of Boston is the architect, and most of the bidders were from Massachusetts.

**SPRINGFIELD, MASS.**—The car and machine-shops of the Boston and Albany Railroad, burned Sept. 13, are being repaired by the employees of the road.

NOBLESVILLE, IND.—The contract for building the new court-house has been awarded to A. G. Campfield of Winchester, Ind.

NORWOOD, CONN.—On the 9th ult. the Church of the Holy Communion was dedicated. The church, which was designed by Mr. J. C. Cady of New York, is cruciform in plan, is built of stone taken from the neighborhood, and will seat over two hundred persons.

INDEX OF CURRENT WORK.

Giving information concerning important buildings now unfinished.

- Boston, Mass. CHURCH.—Cost \$75,000. Mr. John Welch, architect, Brook-lyn, N.Y. HOTEL.—Hotel Sumner. E. B. Horn, owner. Messrs. Appleton & Stephenson, architects, Boston, Mass. HOTEL.—Hotel Comford. \$30,000. L. Weissbein, architect. W. Sheafe, owner. HOTEL.—Trelighon House. C. Fehmer, architect. POST OFFICE.—James G. Hill, Supervising Architect Treasury Department. SCHOOLHOUSE.—High and Latin School. G. A. Clough, architect. Brooklyn, N.Y. CONCERT GARDEN.—F. H. Coles, architect. Cost \$50,000. HOSPITAL.—Church Charity Foundation of the Protestant Episcopal Diocese of Long Island. N. L. Derby, architect, New York. Chicago, Ill. CHURCH.—Jefferson-park Presbyterian. J. C. Cochrane, architect. STORE.—D. W. Kendall, architect. \$32,000. Cincinnati, O. AQUARIUM.—James W. McLaughlin, architect. STORE.—Alms & Doeple, owners. Hannaford and Procter, architects. MUSIC HALL.—Hannaford and Procter, architects. STORES.—G. P. Humphries, architect. \$10,000. Cleveland, O. CONVENT.—Ursuline Academy. L. A. Heard, architect. \$10,000. CHURCH.—Heights Congregational Church. Walter Blythe, architect. CHURCH.—Woodland Avenue Presbyterian. F. S. Barnum, architect. \$3,000. BLOCK OF STORES.—Corner Erie Street and Woodland Avenue. Griese and Weide, architects and builders. PUBLISHING HOUSE.—Evangelical Publishing Association. \$45,000. J. M. Blackburn, architect. Hartford, Conn. TRINITY COLLEGE.—F. H. Kimball, supervising architect. ORPHAN HOME.—F. H. Kimball, architect. New York. CONVENT OF THE SISTERS OF ST. JOHN.—E. G. Littel, architect. CHURCH.—Grace Church. W. T. Beers & Son, architects. \$30,000. CHURCH.—Roman Catholic Church, West Fifteenth Street. Cost \$150,000. ORIENT INSURANCE COMPANY'S BUILDING.—A. H. Thorp, architect. \$125,000. QUEEN'S INSURANCE COMPANY'S BUILDING.—Clinton & Pitson, architects. \$100,000. STORE.—G. Thomas, architect. Cost \$30,000. Philadelphia. CHURCH.—Central Presbyterian. Collins and Audenreith, architects. G. Watson, builder. HOSPITAL.—Presbyterian Hospital. Wilson Bros., architects. OFFICE BUILDING.—Girard Trust. THEATRE.—Chestnut-street. General. AKRON, O.—First Universalist Church. \$35,000. F. O. Weary, architect. ANDERSON, IND.—Asylum. M. E. May, architect, Indianapolis, Ind. ANN ARBOR, MICH.—Court-house. Mr. Bunting, architect, Indianapolis, Ind. ARCADIA, WIS.—Court-house and Jail. C. G. Maybury, architect, Winona, Minn. \$25,000. BALTIMORE, MD.—Church of St. Michael and All Angels. \$80,000. W. H. & S. S. Perry, architects. BELFAST, ME.—Masonic Temple. G. M. Harding, architect, Boston, Mass. BLOOMFIELD, IO.—Court-house. Larkworthy & Mead, contractors. BUFFALO, N.Y.—St. Peter's Evangelical Church. M. E. B. Bebe, architect. CHATTANOOGA, TENN.—Court-house. A. C. Bruce, Knoxville, Tenn. architect. DES MOINES, IO.—State House. Bell & Hackney, supervising archt. architects. FAIRBANKS, MINN.—Deaf, Dumb, and Blind Asylum. J. Babcock & Co., contractors. \$53,430. GALVESTON, TEX.—Cotton Exchange. Gibbs & Moser, architects. GARDEN CITY, L.I.—Stewart Memorial Church. H. G. Harrison, archt. GOSHEN, IND.—Opera House. \$22,000. Noble & Son, owners. GREENSBURG, IND.—Hotel. \$18,000. Ketcham & Gibson, architects, Indianapolis. HOBOKEN, N.J.—St. Matthew's Church. Mr. H. Englebert, architect, New York. JERSEY CITY.—Catholic College. L. O'Connor, architect. JOLIET, ILL.—St. Mary's (Roman Catholic) Church. Mr. Kelly, architect, Brooklyn. KANKAKEE, ILL.—Innocent Asylum. J. R. Willett, architect. KANSAS CITY, MO.—Union Depot. Bernard Malone, contractor. \$100,000. LYNN, MASS.—First Methodist Church. \$10,000. W. C. Preston, architect. J. F. Kibbey & Son, contractors. NEWPORT, R.I.—Residence of P. Lovillard. \$20,000. OIL CITY, PENN.—Exchange. \$15,000. J. M. Budge, jun., architect. OTTAWA, ILL.—Holy Trinity (R. C.) Church. H. C. Furber, architect. \$150,000. ROME, GA.—Shorter Female College. J. A. Cooley, contractor. SACRAMENTO, CAL.—Masonic Hall. Carle & Croly, contractors. SING SING, N.Y.—Methodist Church. Cost \$48,000. SPRINGFIELD, ILL.—State House. J. C. Cochrane, architect. ST. LOUIS, MO.—Hospital. Rev. E. A. Schindel. \$10,000. WABASH, IND.—Court-house. B. V. Enos & Son, architects. Cost \$100,000. WATERBURY, CONN.—Methodist Church. \$40,000. WALKEGAN, ILL.—Court-house. H. C. Koch, architect. Cost \$40,000. ZANESVILLE, O.—Hotel. H. E. Myers, architect. Black & Graham, owners. \$75,000.

Publishers' Department.

THE AMERICAN ARCHITECT AND BUILDING NEWS is published every Saturday at \$7.50 per year, or \$5.00 if paid in advance. Single copies, 15 cents. Advertisements, on page 1 and pages next to editorial matter, 12-14 cents per line (agate), or \$1.75 per inch (14 lines) for one insertion. One inch, one month, \$7.00; three months, \$20.00; six months, \$40.00; nine months, \$55.00; one year, \$70. Other pages, 10 cents per line, or \$1.40 per inch, one insertion. One inch, one month, \$5.00; three months, \$15.00; six months, \$30.00; nine months, \$45.00; one year, \$55.00. No extra charge for cuts or for advertisements that occupy more than a column in width. Payments should be made directly to the publishers, either by draft or by Post-office order. JAMES H. OSGOOD & CO., Publishers, Winthrop Square, Boston.

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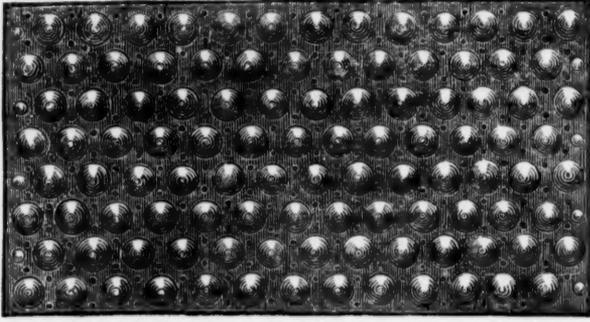
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  - 5th, For the entire material and labor for the construction of said buildings, with the provision of an act entitled "An act to locate, construct, and carry on the Southern Illinois Penitentiary," approved May 24, 1877.
- The plans and specifications may be seen, and printed specifications will be furnished, on application at the office of the Commissioners or architects, in the new State House, Springfield, Ill., on and after the fifteenth day of Oct. 1877. All proposals must be accompanied by a good and sufficient bond, in accordance with Article 1 of the above act. The Commissioners reserve the right to reject any and all such proposals, and to choose between the different classes of bids, if it shall be deemed by them for the interests of the State.

All proposals must be sealed, and addressed to J. G. Fonda, President of the Board of Southern Illinois Commissioners, Springfield, Ill., and must be delivered on or before the twenty-fifth day of October, 1877, at twelve o'clock, M., at which time and place the same will be opened in presence of all bidders desiring to be present.

(Signed) J. G. FONDA, President.  
R. D. LAWRENCE,  
ISAAC CLEMENTS,  
BELL & HACKNEY, Architects.  
Springfield, Ill., Sept. 20, 1877. 94

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NAVY PAY OFFICE.

BOSTON, SEPT. 17, 1877.

Proposals, sealed, and indorsed "Proposals for Galvanized Wire," will be received at this office until MONDAY, Oct. 15, 1877, at twelve o'clock M., for furnishing at the Navy Yard, Boston, subject there to the usual inspection and test, the following galvanized wire; viz.,—

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94 G. E. THORNTON, Pay Inspector, U. S. N.

#### IRON.

NAVY PAY OFFICE.

29 BROADWAY, NEW YORK, SEPT. 24, 1877.

Proposals, sealed and indorsed on envelope, "Bid for Supplies advertised," will be received at this office until twelve o'clock, Oct. 9, 1877, for the following supplies of the best quality, to be delivered within thirty (30) days, free of expense, at the Navy Yard, New York:—

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Blank forms will be furnished at this office, and bids opened at the hour above named, when parties are interested, are invited to be present.

93 Pay Inspector, U. S. Navy.

#### LIFE-SAVING STATION-HOUSE.

SOUTHAMPTON, L.I.

Sealed proposals will be received at this Department until 12 o'clock, noon, of Saturday, Oct. 13, 1877, for the construction of a Life-Saving Station-House at Southampton, Long Island, N.Y.

Each bid must be accompanied with a bond in the sum of one thousand dollars, with two good and sufficient sureties, conditioned that the bidder shall enter into contract without delay, and give such bonds as security for the faithful performance thereof as may be required, if his bid be accepted.

All proposals must be indorsed, "Proposals for the Construction of a Life-Saving Station-House," and addressed to the Secretary of the Treasury, Washington, D.C. Specifications and plans, and forms of proposal and bond, can be obtained at the office of the Collector of Customs at Sag Harbor, N.Y.: of H. E. Hunting, Superintendent of Life-Saving Stations, Bridgehampton, N.Y.: of Capt. J. H. Merryman, U. S. R. M., No. 16 Broadway, New York City; and upon application to this Department.

The right to reject any or all bids, or to waive defects, if it is deemed for the interest of the Government to do so, is reserved.

JOHN SHEERMAN, Secretary.  
Treasury Department, Washington, D.C., Sept. 27, 1877. 92

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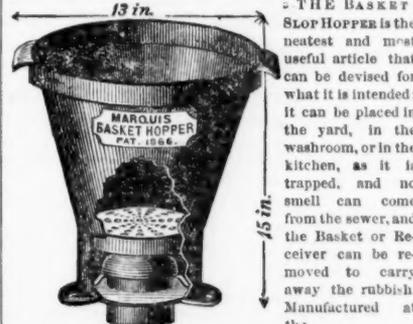
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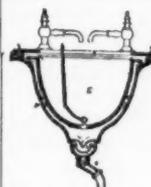
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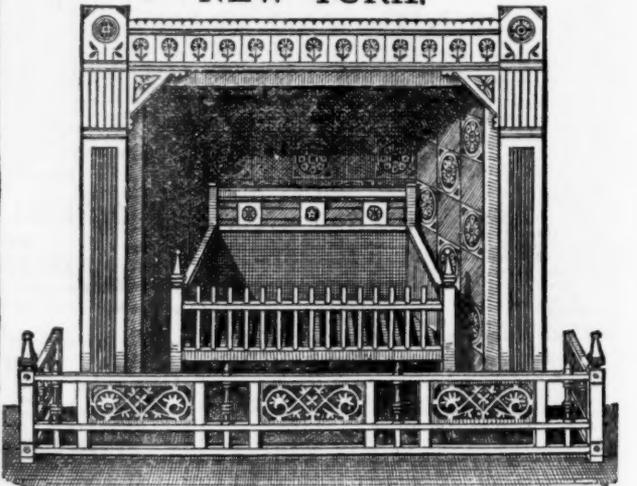
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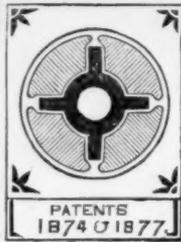
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BUILDING MATERIALS.

[Reported for the American Architect and Building News.]

THE NEW YORK MARKET.

WHOLESALE PRICES.

Table listing prices for various building materials like brick, fire brick, and cement in New York.

Table listing prices for doors and blinds, including raised panels and moulded doors.

Table listing prices for window frames and hair-duty free materials.

Table listing prices for lime, cement, and various types of lath.

Table listing prices for lath, including various grades and types.

Table listing prices for paints and oils, including Paris white and zinc white.

Table listing prices for various types of slate.

Table listing prices for tin plates and solders.

Table listing prices for tin plates, duty, and iron.

Table listing prices for tin plates, duty, and iron.

Table listing prices for tin plates, duty, and iron.

JARVIS PATENT FURNACE, for setting STEAM BOILERS. Will save 25 per cent in fuel and make an increase of 25 per cent in Steam Power.

Table listing prices for various types of coke and charcoal.

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BOSTON.

PRICES TO CONTRACTORS AND BUILDERS. FIRE BRICK. Waldo Bros. Extra. Waldo Bros. No. 1.

Table listing prices for building bricks, lumber, and various types of wood.

Table listing prices for paints and oils, including whiting and zinc white.

Table listing prices for lime, cement, and various types of lath.

Table listing prices for lath, including various grades and types.

Table listing prices for various types of slate.

Table listing prices for tin plates and solders.

Table listing prices for tin plates, duty, and iron.

Table listing prices for tin plates, duty, and iron.

Table listing prices for tin plates, duty, and iron.

RAPHAEL PICTURES. A Series of Studies, designed and engraved after five paintings by Raphael. With Historical and Critical Notes by M. T. B. EMERIC-DAVID.

CHICAGO.

PRICES TO CONTRACTORS AND BUILDERS.

Table listing prices for brick, lime, and cement in Chicago.

Table listing prices for lumber (Michigan Pine) and various types of wood.

Table listing prices for hardwood lumber, including white oak and black walnut.

Table listing prices for various types of tin plates and solders.

Table listing prices for tin plates, duty, and iron.

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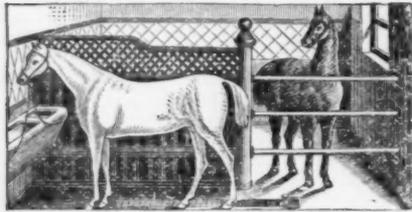
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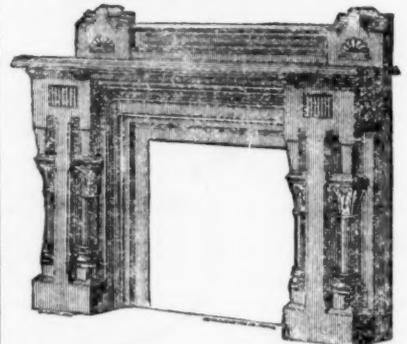
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**BUILDING INTELLIGENCE.**

[Reported for the American Architect and Building News.]

**A RECORD.**

Showing how buildings recently burned are to be replaced.

**DANBURY, N.H.**—The citizens have subscribed \$500 toward rebuilding the tannery which was burned there two years ago; and it is expected that Mr. Clough, who after the fire removed to Wilmot, will return and resume business on the old site.

**MARBLEHEAD, MASS.**—The contract for building the new Eastern Railroad station, to replace the one destroyed in the fire of June 26, has been awarded to Charles J. Treadwell of Salem.

**PROUTY'S VILLAGE, MASS.**—The Spencer Wire Company have already begun to rebuild their mill. It will be substantial, and contain all the modern improvements.

**SUMMARY OF THE WEEK.**

Reports from the Principal Cities and Towns of the Country.

**Albany.**

Many dwellings and stores are being built; and Albany, it may be said, has been among the fortunate cities in possessing work for its laboring population. Added to its buildings, its street improvements, also new and immense drains, and granite pavement, supplanting old and defective ones, have kept labor active.

**THE POST OFFICE.**—The foundations are progressing; but until Congress makes another appropriation, it will scarcely show itself above the ground.

**IN THE OFFICES.**—Ernest Hoffman, jun., is busy with many dwellings, together with suburban villas,—one for Fred Cramer, Esq., Shaker Road, and one for Charles Wiegant, Esq., on Sand Creek Road.

Thomas Fuller is engaged on buildings of note out of as well as in the States.

Walter Dickson has on hand, among other things, the immense lager beer building and refrigerator building, for Messrs. Quinn & Nolan, ale-brewers, of Albany, N. Y.; it will cost nearly \$200,000, completed; also a Gothic parsonage for St. Ann's R. C. church.

**Boston.**

**BRICK BUILDINGS, ETC.**—The following permits have been granted since our last report:—Robert R. Wiley, salesroom for marble, 20' x 40'; A. H. Glover, building for storage of lumber, to be of iron, 500' x 20'; located on Huntington Ave., rear of Hereford St. Lawrence A. Noyes, stable, 55' x 80'.

**WOODEN BUILDINGS.**—Permits for wooden buildings have been issued to the following named builders:—James Longhlin, dwelling, 22' x 28'; John E. Cahill, dwelling, 23' x 36'; J. Lawrence Quick, two-story dwelling, 19' x 28'; Horace Manson, 2 dwellings, 21' x 32'; Malachi Lennon, 2 dwellings and stores, 25' x 36'; Mace & Keyes, lumber-shed, 75' x 25'.

**REPAIRS.**—Business in this department still continues to be quite active.

**CHURCH.**—The work of improving St. Matthew's Church, South Boston, has begun. Mr. Samuel L. Pierce has the contract.

**Brooklyn.**

**BUILDING PERMITS** issued during the week ending Oct. 3 are as follows:—

Dean Street, 2 two-story brown-stone dwellings, 16 3/4' x 45'; architect, M. J. Morrell. Degraw Street, 2 one-story gas tanks, 200' x 98'; owner, Mutual Gas Co.; architect, J. M. Slaney; builder, R. Deeves. Downing Street, 6 two-story brown-stone dwellings, 17 1/2' x 42'; owners, Lambert & Mason. Fulton Street, 1 four-story brick store, music hall and lodges-rooms, fronts, 78.52.11—83' 7"; rear, 49' 10"—53' 8" x 93' deep; owner, O. G. Walbridge; architect, George B. Post; builders, J. B. Smith & Prodgers. Keap Street, 4 two-story brown-stone dwellings, 19' 4" x 45'; owner and architect, George F. Simpson. Monroe Street, 1 three-story brick dwelling, 20' x 38'; owner, W. J. Northridge; architect, R. Van Brunt; builder, I. Allen. Troutman Street, 1 two-story frame tenement, 25' x 28'; owner and builder, J. S. Kupfer; architect, U. Maurer, jun. North Fifth Street, 2 four-story brick tenements, 25' x 52'; owner, S. C. Williams; architect, W. B. Ditmars; builders, B. Mill and G. Ditmars. South Eighth Street, 1 two-story brick shop, 24' x 20'; owner, W. W. Stoll. Ninth Street, 2 two-story brown-stone dwellings, 20' x 40'; owner, W. Irvine; architect, J. C. Burne. Dekalb Avenue, 5 three-story brick dwellings, 18' x 38'; owner, P. Mulledy; architects, Parfitt Bros.; builders, J. Flood and Martin. Evergreen Avenue, 3 two and a half-story frame dwellings, 16' 8" x 34'; owner, J. Deller; builder, J. Rueger. Hamburg Avenue, 1 two-story frame tenement, 25' x 28';

owner, F. Erath; architect, J. Platte; builder, R. Friesse. Lexington Avenue, two-story brick dwellings, 18' 9" x 38'; owner, J. F. Day; architects, Parfitt Bros. Manhattan Avenue, 1 three-story brick store and tenement, 23' 7" and 23' 11" x 50'; owner, G. M. Chase; architect, R. Shapter; builder, S. Bartlett. Marcy Avenue, 3 two-story frame dwellings, 16' 8" x 40'; owner, S. Peden, jun. Nassau Avenue, 1 one-story frame church, 35' x 65'; architect, F. Weber; builder, A. Gamble. Reid Avenue, 3 three-story brick stores and tenements, 24' and 22' x 41'; owner and builder, J. Fitzpatrick; architect, I. D. Reynolds. Vanderbilt Avenue, 4 two-story brown-stone dwellings, 18' 9" x 42'; owner, &c., B. Linikin.

**INDUSTRIAL SCHOOL.**—The corner-stone of a new building for the Industrial School and Home on South Third Street was laid Oct. 3, with Masonic honors. The institution was founded twenty years ago by Mrs. Harriet Brown, a Bible-reader, who gathered a number of the neglected children of the district into the North American Hotel, a rickety old building on the corner of North Second and Fourth Streets. In 1869 the Home was removed to its present location, No. 141 South Third Street, which was purchased by voluntary subscription for \$10,000. At that time there were nine children in the Home; now there are over four hundred. The new building, which is to form a part of the old, will be 55' x 75', and five stories high, built of Philadelphia brick, with Coignet stone finish. It is proposed to build a similar addition on the west side of the building, the present one being on the east.

**JAIL.**—Mr. Mundell is the architect of the new jail, which is to contain about 650 cells.

**Chicago.**

**BUILDING PERMITS** issued during the week ending Oct. 3:—

M. King, two-story brick dwelling, Washington St.; cost \$3,000. C. Trars, two-story brick dwelling, Maxwell St.; cost \$2,100. J. Ward, two-story brick stone-front dwelling, 25' x 42', West Van Buren; cost \$3,500. S. Langstreth, 2 one-story brick stores, each 19' x 70', West Madison St.; cost \$6,000. R. W. Roberson, two-story brick stable, 35' x 35', Prairie Ave.; cost \$2,800. T. P. Phillips, two-story brick store and dwelling, 24' x 66', Van Buren and Hoyle Sts.; cost \$4,000. T. W. Harvey, one-story dry-house, 72' x 91', Fish St.; cost \$10,000. G. S. Poppers, three-story brick stone front store and dwelling, 20' x 60', South Clark St.; cost \$5,000. Anne Winchelmann, 8 one-story brick stores, Dearborn and Randolph Sts.; cost \$1,000 each. H. Karstens, four-story brick store and dwelling, 25' x 60', Wells St.; cost \$6,000. Pitt's Sons & Matthews, three-story brick warehouse and office, 40' x 80', South Jefferson St.; cost \$6,500. E. Gross, two-story brick dwelling, 20' x 52', Third Ave.; cost \$3,500. Stevenson & Anderson, 2 two-story brick dwellings, each 20' x 48', Douglas Place; cost \$2,000 each. M. J. Eich, 5 two-story and basement dwellings, 20' x 49' each, West Monroe St.; cost \$2,500 each. I. Holmes, two-story and basement brick dwelling, 25' x 65', Oak Ave.; cost \$5,000. L. L. Colum, 2 one-story brick stores, cor. Harrison and Fourth Ave.; cost \$35,000.

mitted to the council on the 1st inst. The contract was awarded to Messrs. Claflin & Sheldon of this city, their bid being \$109,907. This work consists of an iron structure of six spans, with an aggregate length of 600', the roadway 42' wide and the sidewalks 11'; and also an iron swing-bridge, 330' in length, and 36' wide. The contract for the iron railing for the viaduct was awarded to Messrs. Landerbeck & Co. of Pittsburg.

**New York.**

**BUILDINGS PROJECTED FOR THE WEEK ENDING OCT. 9.**—Twenty-nine in number; consisting of dwellings, French flats, tenements, factories, and stables. Total value, \$137,550.

Owners.	Architects.	Builders.
W. Urbach	George Halselt	G. A. Zimmerman
Rohr Bros.	A. Pfund	Joseph Dunn
Francis Fitzgerald	D. J. Marcea	A. Tutten
John H. Byckman	Isaac E. Ditmars	John Fish
Michael Cronin		P. B. Bunner
A. Watts		
J. Bischoff	Joseph M. Dunn	
J. G. Johnson	S. F. Quirk	J. G. Stewart
J. Eagen	Charles Baxter	
E. Gordon	M. Geraghty	John A. Williamson
John A. Williamson	F. S. Baraga	
E. P. Becker	George Mand	Martin Kalb
John Budden		A. Herman
W. Hagedorn		
Andrew Herman		
James Erney	John Leiman	
Edward Butler	W. T. Beer & Son	
Edward Ditman	D. & J. Jardine	R. L. Darragh
Bartlett Smith		J. Thompson

First class dwellings, four; second-class dwellings, nine; French flats, six; tenements, two; factories, three; stables, four.

**ARCHBISHOPAL PALACE.**—Work on the archiepiscopal residence, near the cathedral, will, it is said, be begun before long.

**Philadelphia.**

**BUILDING PERMITS** issued during the week ending Oct. 6, 1877:—

L. K. Graver, 3 three-story dwellings, 14' x 48', Sixth St. S. R. Stewart, three-story store and dwelling, 20' x 72', Germantown Ave. N. Hoffman, two-story dwelling, 14' x 28', Twenty-third St. J. & W. Steel, three-story dwelling, 20' x 51', Montgomery Ave. Shultz & Gorman, three-story dwelling, 16' x 28', Thompson St. K. Deavery, three-story dwelling, 16' x 40', cor. Marston and Oxford Sts. C. Bachle, three-story store and dwelling, 16' x 58', Twelfth St. J. M. Patterson, 20 two-story dwellings, 14' x 26', Nassau St. J. Hanson, two-story dye-house, 36' x 109', Hancock St. J. L. Caven, 10 two-story dwellings, 14' x 40', Judson St. B. S. Mann, three-story dwelling, 18' x 42', Fourth St. H. M. Housekeeper, 5 three-story dwellings, 16' x 50', and 14' x 42', cor. Cumberland and Reese Sts. E. McDermond, two-story dwelling, 15' x 29', Centre St., Germantown. W. E. Carr, three-story dwelling, 28' x 54', Shoemakers Lane, Germantown. E. S. Richards, 13 one-story kitchens, 14' x 14', Main St., Germantown. C. R. Kohl & Bros., 4 three-story dwellings, 18' x 54', School Lane. H. Funk, two-story dwelling, 14' x 28', Scott St. W. Davis, two-story fire-engine house, 20' x 90', cor. Clearfield and Belgrade Sts. I. B. Thorn, 6 two-story dwellings, 13' x 28', Turner, St. T. A. Barlow, two-story shop, 40' x 40', cor. Broad and Somerset Sts. W. H. Kester, two-story dwelling, 17' x 48', Wakefield St., Germantown. A. Mann, two-story store and dwelling, 18' x 30', Callowhill St. C. Stewart, two-story store-house, 24' x 80', Taylor St. W. Smith, 3 two-story dwellings, 16' x 40', Reed St. E. McCracken, three-story dwelling, 18' x 32', Savill St. Phillippi & Buzby, three-story dwelling, 18' x 68', Fifth St. M. J. Conroy, 13 two-story dwellings, 16' x 30', Moyamensing Av.

**St. Louis.**

**BUILDING PERMITS.**—There were thirty-three building permits issued for the week ending Oct. 5. Of these twenty-two were for brick buildings; the remainder were for frame structures of small value. Of the former those for \$2,500 and over were as follows:—

Owners.	Use.	Stories.	Rooms.	Cost.
Redemptorist Fathers	Church	..	..	\$4,000
St. Louis Stamping Co.	Warehouse	..	..	7,000
Dr. A. J. Mullen	Dwelling	2	2	5,000
T. Davis	"	2	2	2,500

**General Notes.**

**BURLINGTON, VT.**—Walter Dickson of Albany, N. Y., is the architect of the new building for the Vermont Life Insurance Company.

**CHARLESTOWN, N.H.**, is to have a new Roman Catholic church.

**COHOES, N.Y.**—William M. Woollett of Albany is the architect of the new stores on James St. for Dr. Hun. He is also remodeling West Harmony Public School, and Egbert Institute.

**DANIELSONVILLE, CONN.**—The ladies have raised \$1,000 toward a soldiers' monument, and a town meeting is to be called to appropriate \$1,000 more.

**EAU CLAIRE, WIS.**—The fire-proof buildings for the new gas works will measure 100' x 32',

DETAILED STATEMENT OF NEW BUILDINGS FOR WHICH PERMITS HAVE BEEN ISSUED DURING THE MONTH OF SEPTEMBER, 1877.

Year	Month	CLASSIFICATION OF BUILDINGS.										Total		
		Materials of Front.	Stores	Stores and Dwellings	Dwellings	Manufactories	Churches	Public and Office	Barns and Stables	Miscellaneous	Basements & Additions		Sheds, etc.	
1877	Sept.	146	3,264	92	94	2	3	4	1	31	3	36	53	\$53,500
1876	Sept.	199	5,273	95	116	2	24	1	24	1	24	1	1,241,200	
1877	Jan. 1. to Sept. 30.	1,146	27,263	701	386	5	174	51	350	680	4,533,300	6,298,100		
1876	Jan. 1. to Sept. 30.	11,881	31,468	513	648	113	145	772	1,135	1,135	1,135	1,135		

REMARKS.—Cost of additions, basements, and improvements to buildings previously erected, for the month of September, 1877, \$84,000. Total cost of new buildings and improvements for September, 1877, \$620,500; for September, 1876, \$1,241,200. Total cost of new buildings and improvements from Jan. 1, to Sept. 30, 1877, \$6,298,100; same period, 1876, \$6,283,100.

**Cleveland, O.**

**VIADUCT.**—The proposals for the iron-work of the easterly part of the viaduct were sub-

90' x 32', and 60' x 60'. The cistern will be 55' in diameter and 17' deep.

GARDNER, ME.—The Universalist parish is about to erect a new vestry.

GREENSBURG, IND.—Mr. D. Webb Lovell is building a handsome brick residence on Washington Street.

HOLYOKE, MASS.—The Albion Paper Company have begun the erection of another mill.

JAMAICA, L.I.—The corner-stone of the Shiloh Baptist Church was laid Sept. 25.

NASHUA, N.H.—The Episcopalians are preparing to build a church building, to be paid for by a lady, who is said to be the widow of United States Senator Atherton, now living at Boston.

OXFORD, N.J.—A house is building for Mr. E. T. Lukein, from the design of William M. Woollett of Albany, N.Y.

RIDGEFIELD, CONN.—Mr. William M. Woollett is the architect of the new house of J. H. King, Esq.

STURGIS, MICH.—A new P. E. church is to be built at a cost of \$2,500.

WATERLOO, IO.—There is to be a new opera-house here.

WEST TROY, N.Y.—The Gernain Memorial Church is having added to it a stone tower, with wrought work in lime, Ohio stone, and polished granite. William M. Woollett, architect.

INDEX OF CURRENT WORK.

Giving information concerning important buildings now unfinished.

Boston, Mass.

CHURCH.—Cost \$75,000. Mr. John Welch, architect, Brooklyn, N.Y.

HOTEL.—Hotel Sumner. E. B. Horn, owner. Messrs. Appleton & Stephenson, architects, Boston, Mass.

HOTEL.—Hotel Comfort. \$80,000. L. Weissbain, architect W. Sheafe, owner.

HOTEL.—Crichton House. C. Fehmer, architect.

POST-OFFICE.—James G. Hill, Supervising Architect Treasury Department.

SCHOOLHOUSE.—High and Latin School. G. A. Clough, architect.

Brooklyn, N.Y.

CONCERT GARDEN.—F. H. Coles, architect. Cost \$50,000.

HOSPITAL.—Church Charity Foundation of the Protestant Episcopal Diocese of Long Island. N. L. Derby, architect, New York.

Chicago, Ill.

CHURCH.—Jefferson-park Presbyterian. J. C. Cochrane, architect.

STORE.—D. W. Kendall, architect. \$32,000.

Cincinnati, O.

AQUARIUM.—James W. McLaughlin, architect.

STORE.—Alms & Doeple, owners. Hannaford and Procter, architects.

MUSIC HALL.—Hannaford and Procter, architects.

STORES.—G. P. Humphries, architect. \$10,000.

Cleveland, O.

CONVENT.—Ursuline Academy. L. A. Heard, architect. \$120,000.

CHURCH.—Heights Congregational Church. Walter Blythe, architect.

CHURCH.—Woodland Avenue Presbyterian. F. S. Barnum, architect. \$30,000.

BLOCK OF STORES.—Corner Erie Street and Woodland Avenue. Grise and Weis, architects and builders.

PUBLISHING HOUSE.—Evangelical Publishing Association. \$45,000. J. M. Blackburn, architect.

Hartford, Conn.

TRINITY COLLEGE.—F. H. Kimball, supervising architect.

ORPHAN HOME.—F. H. Kimball, architect.

New York.

CONVENT OF THE SISTERS OF ST. JOHN.—E. G. Littell, architect.

CHURCH.—Grace Church. W. T. Beers & Son, architects. \$50,000.

CHURCH.—Roman Catholic Church, West Fifteenth Street. Cost \$150,000.

ORIENT INSURANCE COMPANY'S BUILDING.—A. H. Thorp, architect. \$125,000.

QUEEN'S INSURANCE COMPANY'S BUILDING.—Clinton & Ferguson, architects. \$100,000.

STORE.—G. Thomas, architect. Cost \$20,000.

Philadelphia.

CHURCH.—Central Presbyterian. Collins and Audenreith, architects. G. Watson, builder.

HOSPITAL.—Presbyterian Hospital. Wilson Bros., architects.

OFFICE BUILDING.—Girard Trust.

THEATRE.—Chestnut-street Theatre.

General.

AERON, O.—First Universalist Church. \$35,000. F. O. Weary, architect.

ANDERSON, IND.—Asylum. M. E. May, architect, Indianapolis, Ind.

ASH ABER, MICH.—Court-house. Mr. Banting, architect, Indianapolis, Ind.

ARCADIA, WIS.—Court-house and Jail. C. G. Maybury, architect, Winona, Minn. \$25,000.

BALTIMORE, MD.—Church of St. Michael and All Angels. \$80,000. Wyatt & Searry, architects.

BELFAST, ME.—Masonic Temple. G. M. Harding, architect, Boston, Mass.

BLOOMFIELD, IO.—Court-house. Larkworthy & Mead, contractors.

BUFFALO, N.Y.—St. Peter's Evangelical Church. M. E. Behe, architect.

CHATTANOOGA, TENN.—Court-house. A. C. Bruce, Knoxville, Tenn. architect.

DES MOINES, IO.—State House. Bell & Hackney, supervising architect.

FARIBAULT, MINN.—Deaf, Dumb, and Blind Asylum. J. Babcock & Co., contractors. \$53,430.

GALVESTON, TEX.—Cotton Exchange. Gibbs & Moser, architects.

GARDEN CITY, LI.—Stewart Memorial Church. H. G. Harrison, architect.

GOSHEN, IND.—Opera House. \$22,000. Noble & Son, owners.

GREENSBURG, IND.—Hotel. \$18,000. Ketcham & Gibson, architects, Indianapolis.

HOBOKEN, N.J.—St. Matthew's Church. Mr. H. Englebert, architect, New York.

JERSEY CITY.—Catholic College. L. O'Connor, architect.

JOLIET, ILL.—St. Mary's (Roman Catholic) Church. Mr. Kelly, architect, Brooklyn.

KANKAKEE, ILL.—Insane Asylum. J. E. Willott, architect.

KANSAS CITY, MO.—Union Depot. Bernard Malone, contractor. \$100,000.

LENS, MASS.—First Methodist Church. \$40,000. W. G. Preston, architect. J. F. Kibbey & Son, contractors.

NEWPORT, R.I.—Residence of P. Lorillard. \$50,000.

OIL CITY, PENN.—Exchange. \$75,000. J. M. Budge, jun., architect.

OTTAWA, ILL.—Holy Trinity (R. C.) Church. H. C. Furness, architect. \$150,000.

ROME, GA.—Shorter Female College. J. A. Cooley, contractor.

SACRAMENTO, CAL.—Masonic Hall. Carie & Croly, contractors.

SING SING, N.Y.—Methodist Church. Cost \$48,000.

SPRINGFIELD, ILL.—State House. J. C. Cochrane, architect.

ST. LOUIS, MO.—Hospital. Rev. E. A. Schmel. \$10,000.

WABASH, IND.—Brl.-house. B. V. Edus & Son, architects. Cost \$100,000.

WATERBURY, CONN.—Methodist Church. \$40,000.

WATKESGAN, ILL.—Court-house. H. C. Koch, architect. Cost \$40,000.

ZANESVILLE, O.—Hotel. H. E. Myers, architect. Black & Graham, owners. \$75,800.

Publishers' Department.

THE AMERICAN ARCHITECT AND BUILDING NEWS is published every Saturday, at \$7.50 per year, or \$6.00 if paid in advance. Single copies, 15 cents. Advertisements on page 1 and pages next to editorial matter, 12 1/2 cents per line (agate), or \$1.75 per inch (14 lines) for one insertion. One inch, one month, \$7.00; three months, \$20.00; six months, \$40.00; nine months, \$58.00; one year, \$70. Other pages, 10 cents per line, or \$1.40 per inch, one insertion. One inch, one month, \$5.00; three months, \$16.00; six months, \$30; nine months, \$45.00; one year, \$55.00. No extra charge for cuts or for advertisements that occupy more than 4 columns in width. Payments should be made directly to the publishers, either by draft or by Post-office order. JAMES H. OSGOOD & CO., Publishers, Waltham Square, Boston.

BUILDING SPECIALTIES.

Messrs. C. R. Vandell & Co., the well-known decorators and manufacturers of fine furniture, have removed from Broadway to No. 6 East 18th street, New York, where they have fitted a very tasteful and attractive establishment.

Dealers in building specialties should not fail to note our "Index of Current Work" each week. It affords them excellent opportunity to open correspondence with parties who might desire their goods.

Mr. R. Geissler has opened an establishment for the manufacture of church and household art furniture, at 152 Bleeker Street, New York.

The new clock in the tower of Independence Hall, Philadelphia, was built by the Seth Thomas Clock Co., of Thomaston, Conn. (of which the American Clock Co., 851 Broadway, are the sole agents), and runs eight days with one winding. The frame stands eight feet high, is of cast iron, and, with running gear complete, weighs six thousand pounds. The following is a record of some of its remarkable performances: The clock, after being regulated, was set on the first day of December, 1876. During that month its whole amount of error was one second gain. For the month of January, 1877, its whole amount of error was one second gain. This gives us a rate of three one-hundredths of a second per day. During the two months there were some heavy storms. Careful observation failed to show any error from that cause.

Saylor's Portland Cement has entered the market in direct competition with the English cements. It is indorsed by many competent professionals who have used it. Major-Gen. G. A. Gilmore writes to the agents, Messrs. Johnson & Wilson, 93 Liberty St., New York, as follows: "I am well acquainted with Saylor's Portland Cement, having tested it frequently for the manufacturers, and to some extent having used it upon the government works under my charge. It compares favorably in quality with the English Portland Cements sold in the New York market. I found it on exhibition in the 'International Exhibition' at Philadelphia. There were fourteen Portland Cements exhibited, all of which were tested under my direction. Saylor's Cement stood among the five best specimens. I have no hesitation in recommending its use where Portland Cement is required."

Musgrave's Patent Slow Combustion Stoves are among the desirable articles of British manufacture which are attracting attention among those engaged in building in this country. Their stoves and air-warmers seem to be specially adapted to the American system of heating buildings, being a great success in Switzerland and Germany. They are tasteful in design, and thorough and complete in construction. The styles are various, and adapted to many different uses, — for conservatories, halls, churches, drawing-rooms, workshops, schoolrooms, and all public and private edifices. Some of the ornamental styles, with encaustic exterior, with a variety of rich colors, are very attractive in appearance, and furnish a pleasing decoration for the parlor or drawing-room. These goods are manufactured by Messrs. Musgrave & Co., in Belfast, Ireland, and may be seen at No. 59 Chauncy Street, Boston, at the warerooms of Mr. William Hanna. Architects and builders interested in matters pertaining to wholesome heat for buildings, and others who wish to adorn their houses with something novel as well as useful, should examine the stoves and heaters of the Messrs. Musgrave & Co.

CLASSIFIED ADVERTISEMENTS.

Table with columns for ARCHITECTS, ARCHITECTURAL BOOKS, and PAGE numbers. Includes names like E. S. Warren, F. W. Weston, W. W. Goodrich, Charles E. Illiey, Walter Dickson, Albany, N.Y., and others.

Table of classified advertisements for various building materials and services. Includes categories like ASPHALT AND OTHER (FELT) ROOFING, BLINDS, BRICK, CEMENT, DECORATIONS, ELECTRIC GAS-LIGHTING, ELEVATORS, FIRE-PROOF BUILDINGS, FURNITURE AND DECORATION, FURNACES, GALVANIZED IRON CORNICES, GAR FIXTURES, GAS MACHINES, GRATES, ETC., HARDWARE, HEATING APPARATUS, HEATING AND VENTILATION, HINGES (SPRING), IRON MERCHANTS, IRON WINDOW SASHES, LOCK AND BRONZE HARDWARE, MANTELS, MARBLE WORKERS, METAL CASTING, ORNAMENTAL IRON AND BRONZE WORKS, PAINT, PAPER HANGINGS, PATTER MACHINE DECORATIONS, PERFORATED SEATING, PLUMBERS, ROOFS, ROOFING FELT, ROLLING VENTILAN BLINDS, SCHOOLS, SHUTTERS (TEEL), SKYLIGHTS, STAINED GLASS, TILES, and WOOD CARPETING.

PROPOSALS.

SCHOOLHOUSE.

**NEW YORK.**  
Sealed proposals will be received by the School Trustees of the Twelfth Ward, at the Hall of the Board of Education, until 9 o'clock, A.M., on Wednesday, Oct. 17, 1877, for enlarging the building occupied by Primary School No. 38, on the corner of Avenue A and 118th Street.  
The entire work of enlarging will be given out in one contract.  
Sealed proposals will also be received at the same time and place for the new seats, etc., required for the additional rooms.  
Plans and specifications may be seen, and blanks for proposals obtained, at the office of the Superintendent of School Buildings, No. 146 Grand Street, third floor.  
Proposals will not be considered unless the following provisions are strictly complied with:—  
The party submitting a proposal, and the parties proposing to become sureties, must each sign his own name and place of residence on said proposal.  
Two responsible and approved sureties, residents of this city, are required in all cases.  
The Trustees reserve the right to reject any or all of the proposals submitted.  
DAVID H. KNAPP, R. G. ROLSTON, CHARLES CRARY, JOHN N. FOSNELL, GERMAIN HAUSCHILD, Board of School Trustees, Twelfth Ward.  
Dated NEW YORK, Oct. 3, 1877. 94.

GRADING.

**NEW YORK.**  
Sealed proposals will be received by the School Trustees of the 24th Ward at the Hall of the Board of Education, corner of Grand and Elm Streets, until 4 o'clock, P.M., Monday, Oct. 15, 1877, for grading the site of Grammar School No. 63, on Third Avenue, corner of 173d Street.  
Specifications may be seen at the office of the Superintendent of School Buildings, No. 146 Grand Street, third floor.  
Proposals will not be considered unless the following provisions are strictly complied with:—  
The party submitting a proposal, and the parties proposing to become sureties, must each sign his own name and place of residence on said proposal.  
Two responsible and approved sureties, residents of this city, are required in all cases.  
The Trustees reserve the right to reject any or all of the proposals submitted.  
MARK K. HAMILTON, JR., FRANKLIN EDSON, JAMES C. HULL, VICTORY E. WETMORE, FERDINAND MEYER, Board of School Trustees, Twenty-fourth Ward.  
Dated NEW YORK, Oct. 1, 1877. 94.

WATER WORKS.

**FERRIS, IND.**  
Sealed proposals will be received by the Council, Committee on Water Works, at the office of the Mayor of the city of Ferris, Ind., until twelve o'clock, M., of Friday, the 19th day of October, 1877, for furnishing materials and constructing Water Works for said city as follows:—One engine and boiler house, two pumping-engines, with an aggregate capacity of 3,000,000 gallons in twenty-four hours; two boilers with settings and fixtures; furnishing pipes and special castings, and laying the same; hydrants and valves, and setting the same; one metallic stand pipe; one filtering apparatus; influent pipe and crib, and all other work necessary to a first class sewer. Plans, detailed specifications, form of proposals, and forms of contract, will be furnished by the City Clerk on and after Oct. 5, 1877. Bids will be received separately for each specific part of said work, and for any parts or the whole of said works. The Committee hereby reserve the right to reject any or all bids, and to make such modifications and omissions as may be deemed advisable before awarding contracts. J. D. COOK, Consulting Engineer, Toledo, O. JOHN A. GRAHAM, JOHN MUELFELD, JOHN MCKENNA, HENRY LOHMYER, Committee on Water Works. 94.

PENITENTIARY.

**CHESTER, ILL.**  
The Commissioners of the Southern Illinois Penitentiary, to be built at Chester, Ill., will receive proposals for material to be used in the construction of a centre building and cell-house with one hundred and fifty or two hundred cells. The size of the centre building will be approximately one hundred feet square, and the size of the cells will be five feet by seven feet by seven feet and six inches.  
The proposals will be—  
1st. For dressed stone delivered on the ground.  
2d. For stone in the quarry sufficient for said buildings.  
3d. For the slate roofing.  
4th. For the necessary locks, switches, switch-bars, gratings, complete: stairs and galleries.  
5th. For the entire material and labor for the construction of said buildings, with the provision of an act entitled "An act to locate, construct, and carry on the Southern Illinois Penitentiary," approved May 24, 1877.  
The plans and specifications may be seen, and printed applications will be furnished, on application at the office of the Commissioners or architects, in the new State House, Springfield, Ill., on and after the fifteenth day of Oct. 1877. All proposals must be accompanied by a good and sufficient bond, in accordance with Article 7 of the above act. The Commissioners reserve the right to reject any and all such proposals, and to select between the different classes or bids, if it shall be deemed by them for the interests of the State.  
All proposals must be sealed, and addressed to J. G. FONDA, President of the Board of Southern Illinois Commissioners, Springfield, Ill., and must be delivered on or before the twenty-fifth day of October, 1877, at twelve o'clock, M., at which time and place the same will be opened in presence of all bidders desiring to be present.  
(Signed) J. G. FONDA, President.  
R. D. LAWRENCE, ISAAC CLEMENTS.  
BELL & HACKNEY, Architects.  
Springfield, Ill., Sept. 20, 1877. 94.

GALVANIZED WIRE.

**NAVY PAY OFFICE, BOSTON, SEPT. 17, 1877.**  
Proposals, sealed, and indorsed "Proposals for Galvanized Wire," will be received at this office until MONDAY, Oct. 15, 1877, at twelve o'clock M., for furnishing at the Navy Yard, Boston, subject there to the usual inspection and test, the following Galvanized Wire: viz.—  
500 lbs. No. 16 Galvanized Wire.  
400 lbs. No. 17 Galvanized Wire.  
1,500 lbs. No. 18 Galvanized Wire.  
1,000 lbs. No. 15 Galvanized Wire.  
500 lbs. No. 21 Galvanized Wire.  
Samples can be obtained at the Navy Yard, where all applications for information must be made. Two satisfactory sureties must accompany the bid, guaranteeing a faithful execution of the offer if accepted.  
Blank forms for proposals can be obtained on application at this office.  
G. E. THORNTON, Pay Inspector, U. S. N. 94.

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PROPOSALS.

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THOMAS LINCOLN CASEY, Lieut.-Col. Corps of Engineers, U. S. A. 94.

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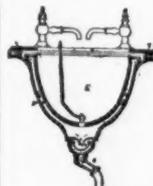
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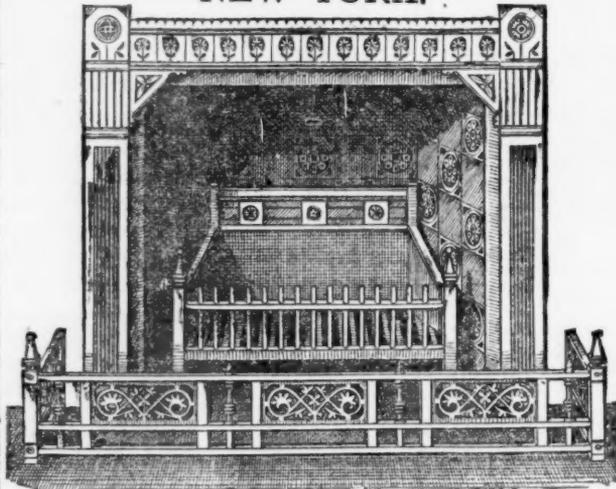
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SATURDAY, OCTOBER 20, 1877.

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Table listing prices for Rosendale, Portland, Roman, Keene's coarse, Keene's fine.

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Table listing prices for LATH-Cargo rate.

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PAINTS AND OILS.

Table listing prices for Whiting, Paris white, Zinc, white, American, Lead, white, American, Lead, white, American, in oil, pure, Lead, red, American, Litharge, American, Ochre, French, dry (gold), Ochre, in oil (currency), Venetian red, English (gold), Vermilion, American, Quicksilver (gold), Vermilion, Trieste (gold), Chrome yellow, genuine, dry, Chrome yellow, in oil, Orange mineral, English (gold), Paris green, pure, dry, Putty, pure, Sienna, raw (American), Sienna, burnt (American), Sienna, burnt, in oil, Umber, raw, in oil, Umber, burnt, in oil, Black, Lamp, ordinary, Black Paint, in oil, kegs, Black Paint, in assorted cans.

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Table listing prices for Wrought-iron I Beams, Wrought-iron I Beams, Wrought-iron Channel Beams, Wrought Angle Iron, Wrought T Iron, Wrought Glider Plates, Wrought Girder Rivets.

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Table listing prices for First and second clear, 1 to 2-in., Third clear, 1-in., Select, 1-in. A., Select, 1-in. B., Select, 1 1/2 to 2-in. A., Select, 1 1/2 to 2-in. B., Wagon box boards, 13 in. and upward A., Wagon box boards, 13 in. and upward B., A stock boards, 10 to 12-in., B stock boards, 10 to 12-in., C stock boards, 10 to 12-in., Common stock boards, 12 in., Common boards, 12 to 20 ft., Fencing, 12 to 16 ft., Board cedar posts, dressed, Joist and scantling, 12 @ 18 ft., Joist and scantling, 20 ft., Joist and scantling, 22 @ 24 ft., Flooring, first common, rough, Flooring, first common, rough, dressed, Flooring, second common, rough, Flooring, first common, dressed, Flooring, second common, dressed, Siding, first common, dressed, Siding, second common, dressed, Timber, sawed, 12 @ 16 ft., Pickets, square, Pickets, flat, Shingles, sawed, No. 1, Dry A shingles, on track.

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Table listing prices for Whitewood, clear, Whitewood box boards, Whitewood select, Whitewood common, Whitewood cull, Ash, clear flooring, Ash, clear flooring, 8-in. dressed and matched, Oak, clear, Oak, common, Hickory, Black walnut, counter-top, Black walnut, clear, Black walnut, firsts and seconds, Black walnut, common, Black walnut cull, Black walnut, clear flooring, 3 and 4-in., dressed and matched, Cherry, first and second, Butternut, first and second, Maple, clear flooring, 4 and 6-in., dressed and matched, Florida red cedar, Mahogany, White holly.

METALS AND TINNERS' STOCK.

Table listing prices for Tin plate, I C, 10 x 14, charcoal, Tin plate, I X, 10 x 14, charcoal, Tin plate, I C, 12 x 12, charcoal, Tin plate, I C, 14 x 20, charcoal, Tin plate, I X, 14 x 20, charcoal, Tin plate, I X, 14 x 20, charcoal, Tin plate, I X, 14 x 20, charcoal, I C roofing, 14 x 20, charcoal, I X roofing, 14 x 20, charcoal, I C roofing, 20 x 28, charcoal, I X roofing, 20 x 28, charcoal, I C roofing, 14 x 20, coke, 10 x 20 coke (for cutters), 250 sheets, Pig tin (large 60 lbs.), Pig tin, small (30 lbs.), Pig bar tin.

\* "Roofing tin" in Chicago means lead-coated, but is not used for the best roofs.

Table listing prices for Solder, No. 1, lead, extra, 20c, Fig. Tin, bar, 8/c; lead pipe, 9c, Copper, Bottoms, 24c; sheathing copper, 32c, Sheet Zinc, Full cans, 9c; slabs, 8 @ 8c, Sheet Iron, No. 24, 2/c. rates; Russia iron, Nos. 9 to 12, 14c.; do. No. 1, stained, 13c.; American planished A, 12c.; B, 10c.; galvanized iron, No. 26, 14c., with discount of 35 per cent.

Wire, No. 1 to 4, 9c.; 5 to 9, 10c.; 10 to 11, 11c.; 12, 11c.; 13 and 14, 12c.; 15 and 16, 14c.; 17, 15c.; 18, 16c.; 19, 18c.; 20, 20c. Discount of 45 per cent.

NAILS.

PAINTS AND COLORS.

Table listing prices for White Lead, Strictly pure, 90.75; fancy brands, \$7.00 @ \$9.00, French, \$12.00 @ \$13.00; American, \$10.00, Colors, Chrome yellow, in oil, Umbers and Siennas, Marselles green, Green colors, Mineral paints, Ven. red, dry, Yellow ochre, dry, Oils, Linseed, raw, 82c.; boiled, 85c.

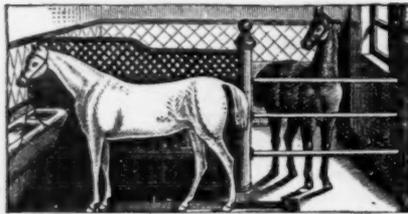
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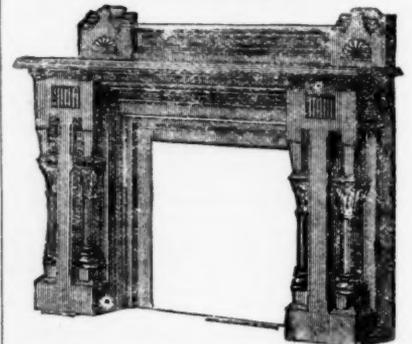
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# BUILDING INTELLIGENCE.

[Reported for the American Architect and Building News.]

## A RECORD.

Showing how buildings recently burned are to be replaced.

**KNIGHTSTOWN, IND.**—The Soldiers' Orphan Home, which was destroyed by fire last month, is to be rebuilt. An additional building will be built to increase the accommodations. Proposals for the work are being received at the office of the architect, J. Taylor.

**SALINA CITY, CAL.**—The building which was occupied by M. & S. V. R. E. as round-house, and which was burned Sept. 2, is to be replaced by a building measuring 75' x 50', and one story high; to be built of wood, by Mr. J. F. Kidder, builder, from drawings prepared by himself; and is to be used by M. & S. V. R. E. Co. as round-house.

**STAPLETON, L.L.**—The buildings destroyed by fire on Sunday morning last will be immediately replaced by brick buildings.

## SUMMARY OF THE WEEK.

Reports from the Principal Cities and Towns of the Country.

### Boston.

**BRICK BUILDINGS.**—The following permits have been granted during the past week: A. C. Martin, mercantile building, 59' 4" x 57' 10"; Samuel T. Goldthwaite, dwelling-house, 19' x 36'; D. W. Beckler, four dwellings, 18' x 55', on Marlborough St.; Geo. W. Pope, four stables, 21' x 27', 44' x 22', 30' x 22', and 68' x 14', owned by Charles J. and Robert T. Paine, jun.

**THE HIGH SCHOOL BUILDING.**—The Committee on Public Buildings have considered the bids for driving piles and laying the foundations for the new Latin and English High Schoolhouse on Montgomery street. The bids were as follows:—

J. F. Ward of New York	\$20,750
John Cavanagh of Boston	30,950
P. & M. Terry of Somerville	31,733
P. J. Donovan of Boston	32,765
William Sayward of Boston (informal)	33,126
McGillivuddy & Sullivan of Boston	33,800
J. A. Silvester of Boston	34,988
Seth Weston of Boston	34,797
A. Lothrop of Boston	35,000
J. H. Leavitt of Boston	38,000

The contract was awarded to John Cavanagh, on the ground, it is understood, that he is a citizen of Boston, while Mr. Ward, the lowest bidder, is a New York man. The contract had been previously awarded to Samuel J. Tuttle and James Devine, both of whom declined to accept the award. Mr. Cavanagh gives bonds to sign the contract within a specified time.

**THE PEOPLE'S CHURCH.**—The chapel is now finished, and work will soon begin upon the parsonage and the foundations of the auditorium of the church.

**WOODEN BUILDINGS.**—The following permits to builders have been granted since our last report: John C. Heffler, stable, 12' x 18'; Samuel M. Shapleigh, dwelling, 26' x 35'; Michael Ryan, stable, 20' x 20'; Alexander Earle, carpenter shop, 12' x 18'; Charles Hanley, junk store, 30' x 40'; William White, stable, 28' x 32'; E. C. Truean, stable, 22' x 18'; Nath'l Haley, shed, 14' x 20'; J. Cavanagh, repair shop, 14' x 24'; W. H. Lynch, 2 dwellings, 21' 6" x 24' 6"; William Hunt, dwelling, 44' x 43' 6"; Russell Scott, dwelling, 21' x 30'; F. L. Sargent, stable, 16' x 26'.

**OFFICE-BUILDING.**—A large block, the upper floors of which are to be divided into small rooms, suitable for dressmaking or other light business, with a parlor and chamber in the rear, is to be erected on Washington Street, near Union Park.

REPAIRS still continue to be active.

### Brooklyn.

**BAPTIST CHURCH.**—The corner-stone of the new building for the First Baptist Church now building at the corner of Clinton and Pierrepont Sts. was laid Oct. 15.

### Chicago, Ill.

**BUILDING PERMITS.**—The following is a list of new buildings for which permits have been issued for the week ending Oct. 13, 1877. —

H. Greenebaum, 2 two-story brick dwellings, each 22' x 40', at 594 and 596 Hubbard St.; cost \$4,000; Theo. Karls, architect. C. C. Holton, three-story and basement brick stone-front dwelling, 26' x 53', Centre St.; cost \$9,000; S. M. Randolph, architect. George M. Farnsworth, three two-story and basement brick stone-front dwellings, each 20' x 54'; cost \$9,000. Le Grand Odell, two-story basement and brick warehouse, 33' x 88', 5th Ave.; cost \$5,000; Wm. Thomas, architect. J. Irwin, three-story and basement brick stone-front dwelling, 21' x 64', Dearborn

Ave.; cost \$8,000. N. W. Planing Mill Co., two-story and basement brick planing mill, 50' x 150', Chicago Ave. and Dix St.; cost \$15,000. Peter Wolf, 2 three-story and basement brick stone-front dwellings, each 25' x 42', 33d St.; cost \$13,000; M. W. Wolf, architect. F. Prokop, 2 brick dwellings, 21' x 40', West 17th St.; cost \$2,000; Aug. Loula, architect. F. Dolesiey, two-story brick dwelling, 21' x 42', West 17th St.; cost \$2,000; Aug. Loula, architect. Central Christian Church, one-story church-edifice, 39' x 70', Oakley St.; cost \$3,000; H. G. Howe, architect. F. T. Ellithorpe, two-story and basement brick warehouse, 50' x 100', Morgan St.; cost \$4,000; Thos. Tilley, architect. W. Stewart, three-story and basement brick brown-stone front dwelling, 43' x 56', Dearborn Ave.; cost \$20,000; F. & E. Bauman, architects. J. K. Russell, three-story and basement brick planing mill, 60' x 68', Fulton St.; cost \$8,000. D. Murphy, two-story and basement brick dwelling, 21' x 50', Huriburt St.; cost \$3,000.

**CHURCH.**—The corner-stone of the new building for St. John's Church was laid Oct. 7.

Most of the architects here are working on plans for the new State Capitol building, the time being so short they have to put their whole attention to the work.

### Indianapolis.

**DWELLING-HOUSE.**—Louis Haughey is building a Gothic residence on North Meridian Street. Cost \$6,000. C. A. Wallingford, architect; Builders and Manufacturers' Association, contractors.

**THE WORK OF THE MONTH.**—The building permits filed in the City Clerk's office for the month of September aggregate \$56,000; costing from \$2,000 to \$10,000.

### New York.

**BUILDINGS PROJECTED FOR THE WEEK ENDING OCT. 16.**—Twelve in number; consisting of dwellings, tenements, and stables. Total value, \$61,400.

Owners.	Architects.	Builders.
A. Watts		J. Fish
Kennedy Bros.		
Estate W. H. Woods	G. V. Shirley	B. F. Bowne
W. R. Beal	H. S. Baker	John Kivex
Stern & Co.	John McIntyre	Leish & Lennon
P. Blake		
J. E. Wright	J. H. Valentine	J. Gardner
Charles Gies		J. Moore
J. W. Dunmore	Rogers & Brown	J. O. Kane
H. D. Niebuhl		W. F. Niebuhl

Dwellings, six; tenements, three; stables, three.

**FREIGHT-SHED.**—A new double-deck freight-shed is building on pier No. 39, North River, for the National Steamship Line. The shed is to be 544' in length and 75' wide, and will be protected on the sides and ends with sheet-iron, and roofed with felt and gravel. The outgoing freight is to be stored on the second floor, while the discharging cargo will be delivered on the pier level. The first 140' of the building will be devoted to offices, and the remainder to freight purposes. The upper floor will be capable of sustaining a load of 500 pounds to the square foot, being supported by three rows of iron columns. Elevators are also to be erected for transferring freight from the pier level to the floor above.

### Pittsburg.

**BUILDING ON THE EXCHANGE NATIONAL BANK PROPERTY.**—This building, located on Fifth Ave., is nearly completed. It is four stories high, with basement, and is built of brick, with cast-iron front. Plans were made by Mr. A. Peebles, architect.

"**FREIHEITS FREUND**" BUILDING is 20' x 90', three stories high, with basement, and cast-iron front. Cost \$15,000. About completed. Mr. H. Moeser is the architect.

**GERMAN EVANGELICAL PROTESTANT CHURCH.**—This edifice, at the corner of Sixth Ave. and Smithfield St., is nearly completed, and will be opened for public worship in a few weeks. It is built of stone, from designs of Mr. E. M. Butz, architect, Allegheny, Penn. It has 90' frontage on Smithfield St., and 110' on Sixth Ave. The spire is 236' high. The total cost is \$125,000.

**PROPERTY OF THE DOLLAR SAVINGS BANK.**—Mr. Butz has completed plans of an office-building to be erected on Fourth Ave., and three warehouses to be erected on Third Ave. The office-building will be 28' x 80', three stories high, with stone basement, and will have a highly ornamented cast-iron front. The first floor will be finished for a banking-room, and the other floors for business offices. The warehouses on Third Ave. will be 60' x 75', three stories high, with basement, and will be built of brick, with ornamental pressed brick fronts.

**STORE BUILDING.**—This building, for J. Daub, Esq., which is built of brick, with stone finish, is four stories high, with stone basement, is also approaching completion. Cost \$30,000. Mr. E. M. Butz, architect.

**STORE BUILDING.**—The contract for a store-building on Seventh Ave., for Messrs. Ewart Bros., has recently been let at \$16,000. It will

be 30' x 120', built of brick, four stories high, with stone basement, and will have a cast-iron front. The plans were made by Mr. E. M. Butz.

**STORE BUILDING.**—This building for Mr. Murland adjoins the above, and is of the same dimensions, with pressed brick front. Cost \$10,000. Mr. H. Moeser, architect.

**SCHOOLHOUSE.**—Mr. T. Boyd, architect, has completed plans of a schoolhouse to be erected in the Twenty-second Ward. It will be built of brick, with stone finish, two stories high, and will have four schoolrooms on the first floor, and two schoolrooms and lecture-hall on the second floor.

**TENEMENT-HOUSES.**—Sixteen houses which are being built for M. Graver, Esq., are nearly ready for occupancy. They are built of brick, with stone finish; are two stories high, with mansard, and cost \$32,000. The plans were prepared by Mr. E. M. Butz.

### Philadelphia.

**BUILDING PERMITS** issued during the week ending Oct. 13, 1877:—

J. V. Mechert, three-story dwelling, 16' x 37', cor. York and Fairhill Sts.; J. McCartney, three-story dwelling, 20' x 63', Sixteenth St.; J. McCartney, two-story dwelling, 16' x 16', D St.; Gordon & Hagan, 12 two-story dwellings, 12' x 28', Gaul St.; E. H. Steinmetz, two-story slaughter-house, 15' x 30', Dauphin St.; E. H. Steinmetz, three-story dwelling, 18' x 48', Dauphin St.; J. B. Stetson, three-story dwelling, 15' x 47', Fourth St.; W. Coulston, 9 two-story dwellings, 16' x 40', Twenty-fifth St.; W. H. Abbott, 2 two-story dwellings, 14' x 25', Cedar St.; J. M. Kirby, two-story dwelling, 16' x 26', cor. Anthracite and Almond Sts.; J. M. Kirby, 5 two-story dwellings, 13' x 26', cor. Anthracite and Almond Sts.; C. R. Kohl & Bros., 4 three-story dwellings, 18' x 54', Winona Ave.; E. Kay, two-story front building, 13' x 26', Amber St.; E. Willard, 2 two-story dwellings, 13' x 42', Clearfield St.; L. Hopkins, two-story dwelling, 14' x 28', Hass St.; S. West, two-story factory, 30' x 54', No. 127 Ashmead St.; W. Weiland, one-story factory, 24' x 36', Old Front St.; F. J. Ferris, 9 three-story dwellings, 14' 8" x 42', Viola St.; C. C. Muller, two-story back-building, 16' x 18', No. 3914 Market St.; W. H. List, 4 two-story dwellings, 14' x 28', Sloan St.; W. H. List, 2 three-story dwellings, 18' x 54', cor. Fortieth and Oregon Sts.; J. P. Brennan, 6 two-story dwellings, 14' x 28', Fifty-second St.; J. A. Sloan, 6 two-story dwellings, 14' x 42', cor. Haerford and Brooklyn Sts.; J. Myers, five-story addition to store, 33' x 70', Market St.; P. Dickey, two-story shop, 18' x 36', Twenty-second St.; W. Keay, two-story dwelling, 15' x 30', Torr St.; T. Little, four-story store and dwelling, 24' x 32', Eighth St.; W. Moyer, three-story dwelling, 17' x 72', Green St.; W. Galbraith, 18 two-story dwellings, 14' x 26', Gerritt St.; C. O'Neil, 2 two-story dwellings, 16' x 44', Thirteenth St.; J. Devine, 8 two-story buildings, 14' x 28', Cantwell St.; R. F. Green, two-story stable, 24' x 48', and 2 three-story dwellings, 16' x 50', Eighth St.; P. Dougherty, two-story dwelling, 16' x 28', cor. Nineteenth and Wharton Sts.; J. S. Benson, 6 two-story dwellings, 14' and 15' x 28', Ward St.; Hoover & Mattson, 3 three-story stores and dwellings, 20' x 26' and 20' x 75', South St.; E. Cubberly, 21 two-story dwellings, 14' x 30', Twenty-eighth St.; J. Stuckey, 4 two-story dwellings, 14' x 28', Lingo St.; J. Stuckey, 5 two-story dwellings, 16' x 38', Lineo and Dickinson Sts.

**BUILDING PERMITS** issued by the Philadelphia Building Inspectors for the month of September, 1877:—

Dwelling-houses, two-story, 278; three-story, 177; stores and dwellings, two-story, 5; three-story, 5, stores, one-story, 2; two-story, 7; three-story, 4; four-story, 1; shops, 6; slaughter-houses, 2; factories and mills, 7; stables, 19; store-houses, 1; dye-houses, 1; offices, 5; ice-houses, 1; shed, 1; ferry-house, 1; hall, 1; alterations and additions, 82; back-buildings, 43.

### St. Louis.

**BUILDING PERMITS.**—Forty-one permits have been issued for the week ending Oct. 12. Nine of these are for frame structures of slight value. The rest are for brick buildings with brick or stone fronts. Those worth \$2,500 and over are as follows:—

Owners.	Use.	Stories.	Rooms.	Cost.
R. T. Sanders	Dwelling	3	50	\$24,000
H. H. Laumeier	"	2	15	4,000
Catherine V. Ryan	"	2	8	3,600
F. Lankey	"	2	15	5,000
S. T. Glover	"	2	16	5,300
B. Kraft	"	3	10	4,400
Philip Gereck	Store & dw.	3	20	8,900
L. Rolfmeyer	Dwelling	2	18	7,000

The approaching election of the architect for the new Board of Public Schools is creating a slight stir, to vary the prevailing dullness in architects' offices. Mr. Jungendorf is the present incumbent.

General Notes.

BIDDEFORD, ME. — The old St. Joseph's church, at the corner of Alfred and Beacon Streets, is to be made into an opera-house by Luther Bryant.
DENVER, COL. — Building is dull. W. H. J. Nichols is the architect of the new stone building of Col. Archer, which is now nearly finished; cost about \$35,000. He is also building a brick cottage for J. W. Jackson, to cost \$5,000.
DIAMOND HILL, R.I. — G. S. Williams & Co. of New York have given up their large contract for quarrying stone at Diamond Hill for the Poughkeepsie bridge, owing to some breach of conditions. The ledge is now in charge of George H. Coffin.
INDIANOLA, IND. — The trustees of the Eighth Presbyterian Church will rebuild the church as soon as the losses are adjusted.
MAHASKA, IO. — The question of building a \$75,000 court-house is to be submitted to a vote of the residents of Mahaska county.
MANCHESTER, MASS. — J. B. Booth will build a fine summer hotel on the Neck this winter, and it will be ready for occupancy next summer.
MANISTEE, MICH. — The new court-house now building was designed by Messrs. Watkins and Hidden of Bay City, Mich.
PROVIDENCE, R.I. — The corner-stone of the new A. M. E. chapel on A Street was laid with ceremonies by the colored Masonic order, on Sunday last.

INDEX OF CURRENT WORK.

Giving information concerning important buildings now unfinished.

Albany, N.Y. BREWERY — Quinn & Nolan, owners. W. Dickson, architect. Cost \$200,000.
PORT-OFFICE — Jas. G. Hill, Supervising architect, of the Treasury Department.
Boston, Mass. CHURCH. — Cost \$75,000. Mr. John Welch, architect, Brooklyn, N.Y.
HOTEL. — Hotel Sumner. E. B. Horn, owner. Messrs. Appleton & Stephenson, architects, Boston, Mass.
HOTEL. — Hotel Comfort. \$30,000. L. Weissbels, architect W. Sheafe, owner.
HOTEL. — 'Vreighton House. C. Felmer, architect.
POST-OFFICE. — James G. Hill, Supervising Architect Treasury Department.
SCHOOLHOUSE. — High and Latin School. G. A. Clough, architect.
Brooklyn, N.Y. CONCERT GARDEN. — F. H. Coles, architect. Cost \$50,000.
HOSPITAL. — Church Charity Foundation of the Protestant Episcopal Diocese of Long Island. S. L. Derby, architect, New York.
JAIL. — Mr. Mundell.
Chicago, Ill. APARTMENT HOUSE. — D. Wells, owner. C. T. Thomas, architect. \$24,000.
CHURCH. — Jefferson-park Presbyterian. J. C. Cochrane, architect.
STORE. — D. W. Kendall, architect. \$32,000.
Cincinnati, O. AQUARIUM. — James W. McLaughlin, architect.
STORE. — Alms & Doepke, owners. Hannaford and Procter, architects.
MUSIC HALL. — Hannaford and Procter, architects.
STORES. — G. F. Humphries, architect. \$10,000.
Cleveland, O. CONVENT. — Ursuline Academy. L. A. Heard, architect. \$120,000.
CHURCH. — Heights Congregational Church. Walter Dwyte, architect.
CHURCH. — Woodland Avenue Presbyterian. F. S. Barnum, architect. \$ 0,000.
BLOCK OF STORES. — Corner Erie Street and Woodland Avenue. Griese and Weile, architects and builders.
PUBLISHING HOUSE. — Evangelical Publishing Association. \$15,000. J. M. Blackburn, architect.
Hartford, Conn. TRINITY COLLEGE. — F. H. Kimball, supervising architect.
ORPHAN HOME. — F. H. Kimball, architect.
New York. ARMORY for the Seventh Regiment. \$300,000.
CONVENT OF THE SISTERS OF ST. JOHN. — E. G. Littel, architect.
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ANDERSON, IND. — Asylum. M. E. May, architect, Indianapolis, Ind.
ANN ARBOR, MICH. — Court-house. Mr. Bunting, architect, Indianapolis, Ind.
ARCADIA, WIS. — Court-house and Jail. C. G. Maybury, architect, Winona, Minn. \$23,000.
BALTIMORE, MD. — Church of St. Michael and All Angels. \$80,000. Wyatt & Sperry, architects.
BELFAST, ME. — Masonic Temple. G. M. Harding, architect, Boston, Mass.
BLOOMFIELD, IO. — Court-house. Larkworthy & Mead, contractors.

BUFFALO, N.Y. — St. Peter's Evangelical Church. M. E. Beebe, architect.
CHATTANOOGA, TENN. — Court-house. A. C. Bruce, Knoxville, Tenn architect.
COVINGTON, KY. — Schoolhouse. H. Bevia, Cincinnati, architect. \$25,000.
DES MOINES, IO. — State House. Bell & Hackney, supervising architects.
FARIBAUT, MINN. — Deaf, Dumb, and Blind Asylum. J. Babcock & Co., contractors. \$53,150.
GALVESTON, TEX. — Cotton Exchange. Gibbs & Moser, architects.
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JERSEY CITY, N.J. — Catholic College. L. O'Connor, architect.
JOLIET, ILL. — St. Mary's (Roman Catholic) Church. Mr. Kelly, architect, Brooklyn.
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SPRINGFIELD, ILL. — State House. J. C. Cochrane, architect.
ST. LOUIS, MO. — Hospital. Rev. E. A. Schindel. \$10,000.
WABASH, IND. — Court-house. B. V. Enos & Son, architects. Cost \$100,000.
WATERBURY, CONN. — Methodist Church. \$40,000.
WAUKEGAN, ILL. — Court-house. H. C. Koch, architect. Cost \$40,000.
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**PROPOSALS.**

**COTTON EXCHANGE BUILDING.** Notice to Builders.

**GALVESTON COTTON EXCHANGE, GALVESTON, TEX., Oct. 3, 1877.**  
The foundation of the Cotton Exchange Building having been laid, sealed proposals for the erection of the superstructure, according to drawings, specifications and details, to be seen at the office of John Moser, Architect, on and after Oct. 10, will be received up to noon, Nov. 1, 1877, addressed to the undersigned.  
Each bid must be accompanied by a responsible name, and the Board reserves the right to reject all bids.  
Bids are to be itemized as follows: 1. Brickwork. 2. Cut-stone work. 3. Carpentering. 4. Plastering. 5. Plumbing and gas-fitting. 6. Painting and glazing. 7. Galvanized iron, cast-iron, tin, slate and copper work.  
Bids for details as well as for the aggregate work are invited, each to include labor and materials.  
A. G. MILLS, Secretary.

**HAND CARTS.**

**NEW YORK, N.Y.**  
Sealed proposals will be received at this Department until 12 o'clock, noon, of Monday, Oct. 22, 1877, for the construction of thirty-seven (37) hand-carts for life-saving stations on the coast of New Jersey.  
The whole number of carts required must be completed by Dec. 1, 1877, and will be delivered in New York City free of all expense to the government.  
Specifications and drawings can be obtained of J. G. W. Havens, Superintendent of Life Saving Stations, Bricksburg, N. J.; of Capt. J. H. Merryman, U. S. L. M., No. 16 Broadway, New York City; and upon application to this Department.  
All proposals must be indorsed "Proposals for the Construction of Hand-Carts," and addressed to the Secretary of the Treasury, Washington, D. C.  
Each bid must be accompanied by a bond in the sum of \$500, with two good and sufficient sureties, conditioned that the bidder shall enter into contract without delay, and give such bonds as security for the faithful performance thereof as may be required if his bid be accepted; or, by a deposit of \$500 United States currency, or bonds, to be returned to the unsuccessful bidders after the award of the contract, and to the successful bidder after the contract and bond for the faithful performance of the terms thereof shall be approved by the Secretary of the Treasury.  
The bids of carriage and wagon makers only will be considered.  
The right to reject any or all bids, or to waive defects, if it is deemed for the best interests of the government to do so, is reserved.  
JOHN SHERMAN, Secretary.  
Treasury Department, Washington, D. C., Oct. 12, 1877.

**IRON CABLE BANDS AND STONE.**

**BROOKLYN, N.Y.**  
THE TRUSTEES OF THE OFFICE AND BROOKLYN BRIDGE, OFFICE, No. 21 WATER ST., BROOKLYN, Oct. 12, 1877.  
Sealed proposals will be received by the Trustees of the New York and Brooklyn Bridge at their office until Nov. 12, 1877, for about fifteen hundred wrought-iron cable bands; weight about forty-five tons. Drawings and specifications can be had at the office.  
Also, for twelve hundred and thirty-two cast-iron rope-sockets, weight about twenty-five tons. Drawings and specifications can be had at the office.  
Also, until Oct. 18, for about one thousand cubic yards of clean broken stone for concrete, the largest dimension being two inches; to be delivered as required.  
All proposals must be addressed to the Trustees of the New York and Brooklyn Bridge, No. 21 Water St., Brooklyn, and be indorsed with the name of the work proposed for.  
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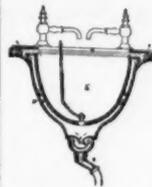


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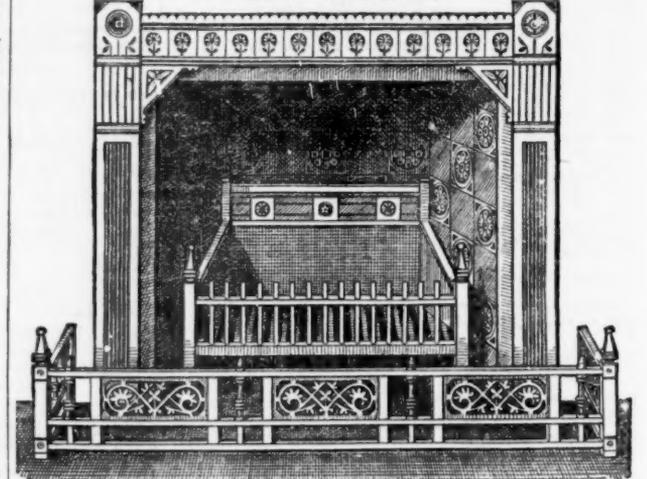
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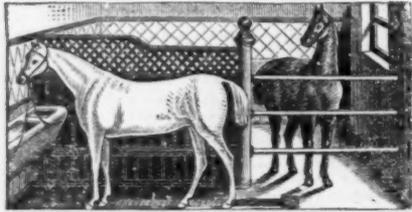
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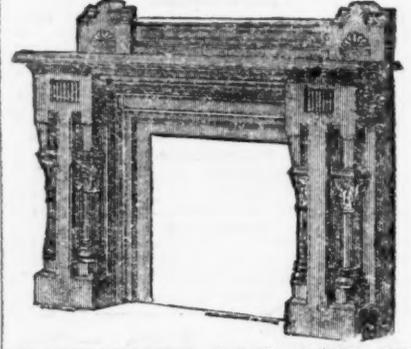
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BUILDING INTELLIGENCE.

[Reported for the American Architect and Building News.]

SUMMARY OF THE WEEK.

Reports from the Principal Cities and Towns of the Country.

Boston.

BRICK BUILDINGS.—The following permits have been issued: James W. Tobey, dwelling, 26' x 74', 336 Beacon St.; George Holmes, stable, 16' x 18', East Seventh St.

WOODEN AND FRAME BUILDINGS.—The following permits have been granted to builders: Russell Scott, dwelling, 21' x 30'; A. T. Stearns, lumber-shed, 65' x 150'; D. H. McKay, dwelling, 25' x 52'; William Donaldson, dwelling, 21' x 30'; Patrick Mullen, stores, 35' x 40'; Duncan McKenzie, stable, 18' x 20'; William H. Lee, dwelling, 28' x 28'.

REPAIRS.—The business in this line continues active. The amount of completed alterations this year amounts, at this date, to \$760,000. This includes a number of small buildings which in other cities are reported under the head of "new buildings." In Boston they are rated simply as additions.

Brooklyn, N.Y.

BUILDING PERMITS.—Congress St., Nos. 173 and 175, 2 three-story brick dwellings, 25' x 50'; architect, M. J. Morrill; builders, John Hayes and Thomas Stone. Fulton St., n. s., 95 E. Raymond St., 1 four-story iron store and French flats, 22.3' x 108'; architect, John Mumford; builders, T. B. Rutan and John Lee. Henry St., e. s., 225 S. Harrison St., 3 three-story brick dwellings, 16.8' x 40'; architects, Parfitt Bros. Henry St., 100 S. President St., 1 three-story brick dwelling, 17' x 45'; builders, Moore & Thompson. Herbut St., cor. North Henry St., 7 two-story frame-stores and dwellings, 25' x 40'; architect, T. J. Beir. Lefferts Pl., n. s., 200 W. Franklin Ave., 3 three-story basement and attic brick dwellings, 16' x 50'; architect, G. L. Morse; builder, Owen Nolan. Meserole St., cor. Bushwick Ave., 1 three-story brick warehouse, 65' x 57'; architect, Charles Stoll; builder, Balzer Rauth. Meserole St., s. s., 200 E. Bushwick Ave., 1 two-story brick carriage house, 36' x 29'; architect, John Platte; builders, B. Rauth & Bro. and Geo. Metzler. Palmetto St., n. s., 100 E. Bushwick Ave., 3 two-story and basement brick dwellings, 16.8' x 36'; owner and architect, George E. Davis, 28 Cedar St.; builders, Brittingham & Miller and G. E. Davis. First St., w. s., 100 N. Broadway, 1 one-story brick railroad depot; architect, Caleb Smith; builders, James Rodwell and C. L. Johnson. Second St., n. w. cor. South 4th St., 1 three-story brick dwelling, 22' x 20'; builders, — Bruckhauser and William Kohlmeier. North 6th St., No. 143 (rear), 1 two-story frame dwelling, 25' x 28'; architect and builder, James Merrigan. North 10th St., cor. 5th St., 1 one-story frame cooper shop, 25' x 25'; builders, Sammis & Bedford. Forty-third St., n. s., 100 W. 2d Ave., 5 two-story and basement frame dwellings, 17' x 30'; architect, Alex. O. McDougall; builder, J. K. Fairbanks. Fifty-third St., bet. 4th and 5th Aves., 1 one-story and basement frame dwelling, 20' x 28'; builder, John A. Anderson. Bushwick Ave., cor. Forrest St., 1 three-story brick ice-house, 40.4' x 73.7'; architect, Charles Stoll; builders, H. Grasmann and George Metzler. Gates Ave., n. s., 173 E. Patchen Ave., 1 three-story frame dwelling, 25' x 45'; architect and builder, John McGarry. Lafayette Ave., bet. Franklin and Bedford Aves., 3 three-story brick dwellings, 16.8' x 42'; architect, Theo. E. Thomson. Lafayette Ave., s. s., 50 W. Stuyvesant Ave., 6 two-story frame dwellings, 16.8' x 38'; owner and architect, Chas. Nimmo; builder, Wm. H. Hogan. Lee Ave., s. w. cor. Heyward St., 1 three-story brick store and dwelling, 25' x 80'; architect, H. M. Tostevin. Myrtle Ave., No. 902, 1 three-story brick store and flats, 23' x 55'; builders, Wright & Brook. Rochester Ave., n. e. cor. Herkimer St., 1 one-and-a-half story frame stable, 20' x 30'; builder, C. E. Whitson. sen. Rockaway Ave., 300 S. Atlantic Ave., 3 two-story brick buildings (hospital and two stables), 60' x 40' and 32' x 40'; architect, P. C. Keely; builders, — Fagan and T. G. Turner. Tompkins Ave., w. s., 82 S. Hart St., 1 three-story brick dwelling, 18' x 40'; owner, &c., William Taylor. Fourth Ave., w. s., 28 S. 21st St., 1 two-story frame dwelling, 28' x 28'; builder, William Edwards. Interior lot, 40 from Commercial St. and 50 from Manhattan Ave., 1 four-story brick factory, 80' x 40'; architect and builder, J. B. Woodruff.

Milwaukee, Wis.

Slight indications of the effects of good crops are visible in the architects' offices, by a greater activity among the draughtsmen, and the offices being more frequented by contractors.

DWELLINGS.—In the office of E. T. Mix, plans are preparing for two dwellings, one of brick with stone finish, to cost about \$15,000, and one to be built of stone, to cost about \$25,000. These

will most likely be contracted for, and the work commenced, this fall. Four frame dwellings have within the past month been let at this office, ranging in price from \$4,000 to \$5,000 each.

IN THE OFFICES.—C. A. Gombert, architect, has within the last two months prepared plans for the following buildings; the greatest part is under contract. Store and dwelling for G. Be-huke, cost \$3,500; residence for A. V. Trott, cost \$5,000; brick residence for J. Waldeck, cost \$10,000; frame residence for C. Catlin, cost \$5,000; frame dwelling for J. Goldschmidt, cost \$4,000; double cottage for J. Goldschmidt, cost \$5,000; branch pumping-station for the City, cost \$40,000.

Plans by J. Douglass: Brick dwelling for L. Everingham, cost \$15,000; brick dwelling for J. B. A. Kern, cost \$14,000; brick dwelling for David Ferguson, cost \$15,000. In addition to the above, a large number of frame houses have been commenced within the last month, which will cost from \$2,000 to 5,000 each.

LUMBER.—There is a rise in the price of common lumber of about one dollar per thousand, with an upward tendency.

New York.

BUILDINGS PROJECTED FOR THE WEEK ENDING Oct. 23.—Twenty-four in number; consisting of dwellings, tenements, flats, stores, etc. Total value, \$376,050.

Table with 3 columns: Owners, Architects, Builders. Lists various building projects and the professionals involved.

Dwellings, fifteen; flats, one; tenements, four; stores, two; factory, one.

Philadelphia.

BUILDING PERMITS.—G. H. Moore, 6 three-story dwellings, 15' x 51', w. side Wellington, n. of Jefferson St.; John Ganda, 2 two-story dwellings, 16' x 16', n. e. cor. Thompson and Warnock Sts.; John J. Eichel, two-story dwelling, 14' x 25', No. 1813 N. Second; Gordon & Hagan, 12 two-story dwellings, 12' x 28', Chatham, n. of Somerset St.; George Keen, two-story store, 18' x 32', No. 2423 Germantown Ave.; J. C. Moore, 2 three-story dwellings, 18' x 55', e. side Broad, n. of Susquehanna St.; Patrick Good, three-story dwelling, 32' x 32', cor. Green Lane and N. P. R. E.; Benjamin Walker, two-story dwelling, 12' x 14', e. side Coral, n. of York St.; William Barth, two-story dwelling, 16' x 50', n. side of York, w. of Holman St.; John Lee, one-story picker house, 25' x 30', Emerald, s. of Allegheny St.; John Lee, one-story factory, 120' x 49', Emerald, s. of Allegheny St.; William Keas, two-story addition to factory, 40' x 46', cor. Richmond and Tioga Sts.; H. M. House-keeper, 3 three-story dwellings, 16' x 50', n. w. cor. Fifth and Cumberland Sts.; H. M. House-keeper, 2 three-story dwellings, 14' x 42', n. w. cor. Fifth and Cumberland Sts.; Aug. Sites, two-story dwelling, 15' x 41', w. side Hancock, n. of York St.; W. Dunlap, two-story dwelling, 14' x 30', n. side Westmoreland, e. of Tenth St.; William Scott, two-story dwelling, 15' x 40', e. side Nineteenth, n. of Montgomery St.; C. R. Kohl & Bro., 4 three-story dwellings, 18' x 58', Winona, near Pulaski St.; D. F. Gormley, two-story stable, 16' x 16', cor. Fifty-sixth and Haverford Sts.; D. F. Gormley, two-story dwelling, 20' x 56', cor. Fifty-sixth and Haverford Sts.; W. A. Coggins, 10 three-story dwellings, 16' x 48', Twenty-seventh, n. of Parrish St.; F. J. Ferris, 3 two-story dwellings, 16' x 38', Myrtle Ave., e. of Forty-ninth St.; H. R. Deacon, three-story dwelling, 14' x 14', Johnson, w. of Twen-tieth St.; H. S. Urian, 2 two-story dwellings, 15' x 40', Grays Lane, above Darby St.; John Miller, two-story stable, 18' x 22', Carlton, e. of Twelfth; R. C. Dothard, three-story dwelling, 16' x 40', Parchal, bet. Fiftieth and Fifty-first Sts.; J. R. Parker, two-story stable, 40' x 60', Center, bet. Myrtle and Hutton Sts.; C. W. Wright, two-story back building, 12' x 18', No. 936 Fairmount Ave.; W. McGeorge, two-story front building, 11' x 14', No. 1338 Poplar St.; J. Cannon, two-story front building, 17' x 28', No. 3618 Warren St.; L. Snyder, two-story front building, 16' x 13', No. 602 N. Thirty-seventh St.; M. W. Kirkwood, 6 four-story dwellings, 24' x 34' and 20' x 72', n. w. cor. Twenty-first and Chestnut Sts.; D. M. Blyler, 4 three-story dwellings, 17' x 57' and 16' x 57', n. w. cor. Twenty-second and Wallace Sts.; T. W. Richards, 2 three-story dwellings, 22' x 70', n. side Chestnut, e. of Thirty-ninth St.; L. H. Eckert, two-story back building, 10' x 12', No. 1112 Fairmount Ave.; Jas. McGinn, one-story store, 14' x 26', No. 4018 Powelton Ave.; Mary Cheney,

two-story back building, 10' x 12', No. 3655 Lud-low St.; D. McGettigan, 3 two-story dwellings, 16' x 40', cor. Eleventh and Widener Sts.; A. Pratt & Bro., one-story dye-house, 44' x 28', Main, e. of Shurs Lane; John Klebe, two-story store and dwelling, 16' x 31', n. w. cor. West-moreland and Amber Sts.; John Klebe, two-story store and dwelling, 16' x 21', n. w. cor. Westmoreland and Amber Sts.; F. J. Ferris, 2 three-story store and dwellings, 20' x 54', Lan-caster, e. of Forty-ninth St.; John Brown & Sons, one-story addition to dye-house, 18' x 60', e. side Eighth, s. of Tasker St.; Thos. A. Lynch, 2 two-story back buildings, 12' x 31', Nos. 754 and 756 S. Fifteenth St.; Adam Louth, three-story stable, 20' x 28', Barker, e. of Seventh St.; J. P. Burtley, two-story stable, 14' x 16', Dickinson, w. of Thirteenth St.; Jos. A. McGuck-in, 2 three-story dwellings, 16' x 44', Nos. 1215 and 1217 Dickinson St.; Thos. Haggerty, two-story store and dwelling, 41' x 31', Main, bet. Cedar and Penn Sts., Manayunk.

Providence.

NEW BUILDINGS AND IMPROVEMENTS.—A building 32' x 54', two stories and Mansard roof, is in course of construction for James Wignold, on Third Street.

Michael Downey is erecting on Tecumseh St., a cottage-house, with ell, bay-windows, and pi-azza; and Dennis Sullivan on the same street is having a house of a like character.

Francis V. Kiernan, in the employ of Cobb, Bates, & Yerxa, is contracting for a building 40' x 42', three stories, with Mansard roof, on Fourth Street, near the Davenport schoolhouse.

The Kinsley heirs are repairing and refitting their property on Court Square.

The new block of Fisher & Co., on Court Square, has reached its last story in the front, the rear having been finished some time ago.

John Connel, employed by the Old Colony Steamboat Company, is finishing up an \$8,000 residence on Whipple Street.

Charles Nolan contemplates a building 40' x 26', three stories, on Hall Street.

Patrick Khoe, on Quequehan Street, is re-novating an old carpenter-shop, and transforming it into a two-tenement building.

St. Louis.

BUILDING PERMITS.—Forty-nine permits have been issued for the week ending Oct. 19. Fif-teen of these are for frame structures of slight value. The rest are for brick or brick and stone buildings. Those worth \$2,500 and over are as follows:—

Table with 5 columns: Owners, Use, Stories, Rooms, Cost. Lists building permits with their respective values.

NEWSPAPER BUILDING.—Messrs. Walsh & Jungensfeld, architects, are putting up a fine building of brick with stone trimmings in the modern mediæval style, for the Messrs. Knapp, proprietors of the St. Louis Republican. The building is nearly ready for the roof. It will have stores on the first floor and office-rooms above.

General Notes.

CANONSBURG, PENN.—A two-story brick schoolhouse is nearly built here.

NEWPORT, R.I.—It is stated that over \$60,000 have been subscribed already toward the new hotel.

The insane asylum building, erected in the early part of the century, is being remodelled, new floors being laid, new windows placed, and other improvements undertaken. When com-pleted, these renovations will greatly increase the comfort and capacity of the establishment.

At a town meeting in Bridgeport, Friday, a proposition to build a tramp work-house for \$1,500 was indefinitely postponed.

NOBLESVILLE, IND.—The contract for build-ing the new court-house has been awarded to A. G. Campfield of Winchester, Ind.

PORTLAND, ME.—The corner-stone of the new Williston Congregational Church was laid Oct. 17, corner of Thomas and Carroll Streets, with appropriate ceremonies.

RUTLAND, VT.—The site of the new Howe scale works, occupying the triangular piece of ground, ten acres in extent, between the Rutland and Bennington and the Rutland Railroad tracks and just below their junction, is now a scene of unusual business activity. About a hundred men are engaged in digging trenches, grading, laying foundation-walls, and preparing the frames of the seven main buildings.

ST. JOHNSBURY, VT.—The plans of the new North Church provide for a brick or stone edifice, 150' x 80', accommodating about one thou-sand persons, and containing all the modern improvements, at a cost of nearly \$50,000.

## INDEX OF CURRENT WORK.

Giving information concerning important buildings now unfinished.

## Albany, N. Y.

BREWERY.—Quinn & Nolan, owners. W. Dickson, architect. Cost \$200,000.  
POST-OFFICE.—Jas. G. Hill, Supervising architect, of the Treasury Department.

## Boston, Mass.

CHURCH.—Cost \$75,000. Mr. John Welch, architect, Brookline, N. Y.  
HOTEL.—Hotel Sumner. E. B. Horn, owner. Messrs. Appleton & Stephenson, architects, Boston, Mass.  
HOTEL.—Hotel Comfort. \$30,000. L. Weisslein, architect. W. Sheafe, owner.  
HOTEL.—(Freight House). C. Fehmer, architect.  
POST-OFFICE.—James G. Hill, Supervising Architect Treasury Department.  
SCHOOLHOUSE.—High and Latin School. G. A. Clough, architect.

## Brooklyn, N. Y.

CONCERT GARDEN.—F. H. Coles, architect. Cost \$50,000.  
HOSPITAL.—Church Charity Foundation of the Protestant Episcopal Diocese of Long Island. N. L. Derby, architect, New York.  
JAIL.—Mr. Mundell.

## Chicago, Ill.

APARTMENT HOUSE.—D Wells, owner. C. T. Thomas, architect. \$24,000.  
CHURCH.—Jefferson-park Presbyterian. J. C. Cochrane, architect.  
STORE.—D. W. Kendall, architect. \$32,000.

## Cincinnati, O.

AQUARIUM.—James W. McLaughlin, architect.  
STORE.—Ains & Doepke, owners. Hannaford and Procter, architects.  
MUSIC HALL.—Hannaford and Procter, architects.  
STORES.—G. P. Humphries, architect. \$10,000.

## Cleveland, O.

CONVENT.—Ursulin Academy. L. A. Heard, architect. \$10,000.  
CHURCH.—Heights Congregational Church. Walter Blythe, architect.  
CHURCH.—Woodland Avenue Presbyterian. F. S. Barnum, architect. \$2,000.  
BLOCK OF STORES.—Corner Erie Street and Woodland Avenue. Greese and Weile, architects and builders.  
PUBLISHING HOUSE.—Evangelical Publishing Association. \$45,000. J. M. Blackburn, architect.

## Hartford, Conn.

TRINITY COLLEGE.—F. H. Kimball, supervising architect.  
ORPHAN HOME.—F. H. Kimball, architect.

## New York.

ARMORY for the Seventh Regiment. \$300,000.  
CONVENT OF THE SISTERS OF ST. JOHN.—E. G. Littell, architect.  
CHURCH.—Grace Church. W. T. Beers & Son, architects. \$4,000.  
CHURCH.—Roman Catholic Church, West Fifteenth Street. Cost \$150,000.  
ORIENT INSURANCE COMPANY'S BUILDING.—A. H. Thorp, architect. \$25,000.  
QUEEN'S ISLAND COMPANY'S BUILDING.—Clinton & Fishon, architects. \$100,000.  
STORE.—G. Thomas, architect. Cost \$20,000.

## Philadelphia.

CHURCH.—Central Presbyterian. Collins and Audenreith, architects. G. Watson, builder.  
HOSPITAL.—Presbyterian Hospital. Wilson Bros, architects.  
OFFICE BUILDING.—Givard Trust.  
THEATRE.—Chestnut-street Theatre.

## General.

AKRON, O.—First Universalist Church. \$35,000. F. O. Weagy, architect.  
ANDERSON, IND.—Asylum. M. E. May, architect, Indianapolis, Ind.  
ANN ARBOR, MICH.—Court-house. Mr. Bunting, architect, Indianapolis, Ind.  
ARCADIA, WIS.—Court-house and Jail. C. G. Maybury, architect, Winona, Minn. \$23,000.  
BALTIMORE, MD.—Church of St. Michael and All Angels. \$80,000. Wyatt & Sperry, architects.  
BELFAST, ME.—Masonic Temple. G. M. Harding, architect, Boston, Mass.  
BLOOMFIELD, IO.—Court-house. Larkworthy & Mead, contractors.  
BUFFALO, N. Y.—St. Peter's Evangelical Church. M. E. Hebe, architect.  
CHATTANOOGA, TENN.—Court-house. A. C. Bruce, Knoxville, Tenn, architect.  
COVINGTON, KY.—Schoolhouse. H. Bevis, Cincinnati, architect. \$25,000.  
DES MOINES, IO.—State House. Bell & Hackney, supervising architect.  
GARIBOLDI, MINN.—Deaf, Dumb, and Blind Asylum. J. Babcock & Co., contractors. \$53,430.  
FALVESTON, TEX.—Cotton Exchange. Gibbs & Moser, architects.  
GARDEN CITY, L. I.—Stewart Memorial Church. H. G. Harrison, architect.  
GOSHEN, IND.—Opera House. \$22,000. Noble & Son, owners.  
GREENSBURG, IND.—Hotel. \$18,000. Ketcham & Gibson, architects, Indianapolis.  
HOBOKEN, N. J.—St. Matthew's Church. Mr. H. Englebert, architect, New York.  
JERSEY CITY.—Catholic College. L. O'Connor, architect.  
JOLIET, ILL.—St. Mary's (Roman Catholic) Church. Mr. Kelly, architect, Brooklyn.  
KANSAAS, ILL.—Imane Asylum. J. R. Willett, architect.  
LENN, MASS.—First Methodist Church. \$40,000. W. G. Preston, architect. J. F. Kibbey & Son, contractors.  
NEWPORT, R. I.—Residence of P. Lorillard. \$30,000.  
NOBLESVILLE, IND.—Court House. A. G. Camsfield, Winchester, Ind., contractor.  
OIL CITY, PENN.—Exchange. \$75,000. J. M. Budge, jun., architect.  
OTTAWA, ILL.—Holy Trinity (R. C.) Church. H. C. Furber, architect. \$150,000.  
PORT CHESTER, N. Y.—Dwelling. E. R. Wesley, owner. W. T. Beers & Son, architects. \$15,000.  
ROME, GA.—Shorter Female College. J. A. Cooley, contractor.  
SACRAMENTO, CAL.—Masonic Hall. Carle & Croly, contractors.  
SING SING, N. Y.—Methodist Church. Cost \$48,000.  
SPRINGFIELD, ILL.—State House. J. C. Cochrane, architect.  
ST. LOUIS, MO.—Hospital. Rev. E. A. Schindel. \$10,000.  
WABASH, IND.—Court-house. B. V. Enos & Son, architects. Cost \$100,000.  
WATERBURY, CONN.—Methodist Church. \$40,000.  
WAUKESHA, ILL.—Court-house. H. C. Koch, architect. Cost \$40,000.

## BUILDING SPECIALTIES.

—THE Whittier Machine Co. are now furnishing the new building of the Orient Insurance Co. in Wall St., New York, with boilers, steam heating apparatus, and two passenger elevators.

—The State House commission of Hartford, Conn., has contracted with the American Steam Safe Works in Boston for the construction of the heavy burglar-proof vault work, to be erected in the new Capitol building, for the safe keeping of the State funds.

## Publishers' Department.

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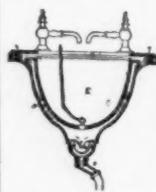
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Sealed Proposals will be received at this office until 12 M., on the 5th day of November, 1877, for all the Slats' Work and Galvanized Iron Work, including Wrought Iron Finials and Crest Railing, required for the roofs of the United States Court House and Post Office, at Covington, Ky., in accordance with drawings and specifications.

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A. H. POLK, Superintendent.

**TO ARCHITECTS.**

Plans and specifications are hereby invited until Nov. 5, 1877, for the building of a new City Workhouse for Louisville, Ky., to be constructed adjacent to the site of the present City Workhouse; cost not to exceed \$50,000. Further particulars furnished by application at this office.

CHARLES D. JACOB, Mayor,  
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The foundation of the Cotton Exchange Building having been laid, sealed proposals for the erection of the superstructure, according to drawings, specifications and details, to be seen at the office of John Moser, Architect, on and after Oct. 16, will be received up to noon, Nov. 1, 1877, addressed to the undersigned.

Each bid must be accompanied by a responsible name, and the Board reserves the right to reject all bids.

Bids are to be itemized as follows: 1. Brickwork. 2. Cast-iron work. 3. Carpentering. 4. Plastering. 5. Plumbing and gas-fitting. 6. Painting and glazing. 7. Galvanized iron, cast-iron, tin, slate and copper work.

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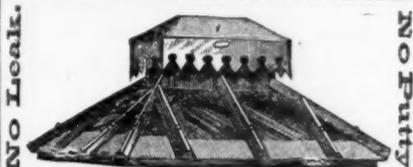
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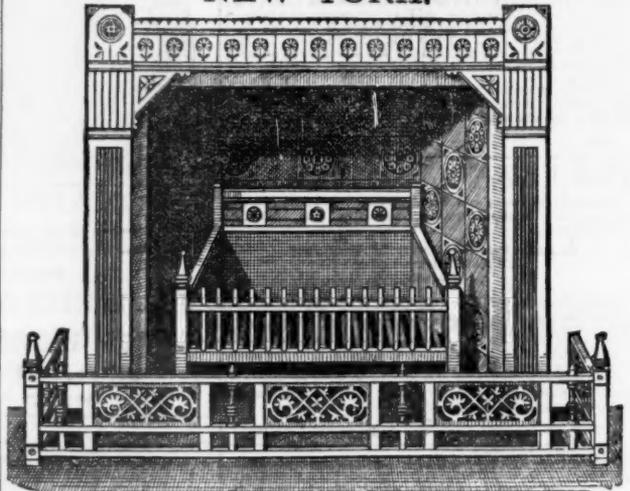


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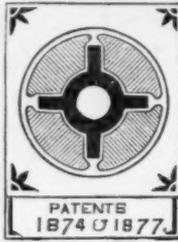
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THE NEW YORK MARKET. WHOLESALE PRICES.

Table listing prices for BRICK (Nominaly, Cargo afloat), CROTON (Brown, Dark, Red), PHILADELPHIA, TRENTON, BALTIMORE, and other regional products.

Table listing prices for CEMENT (Portland, Roman, Keene's coarse, Keene's fine).

Table listing prices for FIRE BRICK (Red Welsh, Scotch, American).

Table listing prices for DOORS AND BLINDS (Doors raised panels, two sides; Doors moulded).

Table listing prices for DOORS MOULDED (Size, 1 1/2 in., 1 3/4 in., 1 7/8 in.).

Table listing prices for OUTSIDE BLINDS (Per lineal foot, up to 2.10 wide).

Table listing prices for INSIDE BLINDS (Per lineal foot, 4 folds).

Table listing prices for WINDOW FRAMES (Up to 3.4 x 7.2, put together).

Table listing prices for HAIR (Cattle, Goat).

Table listing prices for LIME (State, common, cargo rate; Rockland, common; Rockland, finishing).

Table listing prices for LAIH (Cargo rate).

Table listing prices for LUMBER (Pine, very choice, and extra dry; Spruce, boards, dressed; Hemlock boards).

Table listing prices for PAINTS AND OILS (Whiting, Paris white, English; Zinc, white, American; Ochre, French, dry).

Table listing prices for SLATE (Purple roofing slate, Green slate, Red slate).

Table listing prices for SOLIDERS (No. 1, No. 2).

Table listing prices for TINY PLATES (Duty, 11-10c).

Table listing prices for I. C. charcoal (10 x 14).

Table listing prices for I. C. coke (10 x 14, 1 x charcoal, 14 x 20).

Table listing prices for ZINC (Duty, sheet), SHEET (gold) foreign, and LEAD (Bar, Sheet, Pipe).

BOSTON. PRICES TO CONTRACTORS AND BUILDERS.

Table listing prices for FIRE BRICK (Waldo Bros. Extra, No. 1, No. 2).

Table listing prices for BUILDING BRICKS (Eastern, Bay State).

Table listing prices for LUMBER (Michigan pine - Nos. 1 and 2; Black Walnut - Nos. 1 and 2; Cherry - Nos. 1 and 2).

Table listing prices for PAINTS AND OILS (Whiting, Paris white, English; Zinc, white, in oil; Ochre, French, dry).

Table listing prices for LIME (Quoted at 55c per cask for Rockland and Rockport).

Table listing prices for CEMENT (Rosendale, Portland, Roman, Keene's coarse, Keene's fine).

Table listing prices for BUILDERS' HARDWARE (Nails, 10d., 8d., 6d., 4d., 3d.; Sash Weights, Sash Line, Rest hemp, Best linen).

Table listing prices for Door Butts (Japanned Acorn, Plain Bronzed Iron, Ornamental Bronzed Iron).

Table listing prices for Mortise Locks (3 1/2 to 4 1/2 in., Do., for front doors).

Table listing prices for Door Knobs (Sash Fast, Plain brass, self-locking).

Table listing prices for Sash Fast (Plain brass, self-locking).

Table listing prices for Screws (Round head, nickel plated, for window beads).

Table listing prices for Lacquered brass (Lacquered brass, Bronze metal).

Table listing prices for IRON (Wrought-iron I Beams, Wrought-iron Channel Beams, Wrought Angle Iron).

Table listing prices for Wrought Girder Plates, Wrought Girder Rivets.

CHICAGO.

PRICES TO CONTRACTORS AND BUILDERS.

Table listing prices for BRICK, LIME, AND CEMENT (Lime, bulk; Chicago building brick; Indiana pressed brick).

Table listing prices for LUMBER (Michigan Pine) (First and second clear, 1 to 2-in.; Third clear, 1-in.; Select, 1-in. A).

Table listing prices for HARDWOOD LUMBER (Whitewood, clear; Whitewood box boards).

Table listing prices for METALS AND TINNERS' STOCK (Tin plate, 1 C 10 x 14, charcoal; Tin plate, 1 X, 10 x 14, charcoal).

Table listing prices for Solder (No. 1, 18c; extra, 20c; Pipe, 15c; bar, 8c).

Table listing prices for NAILS (No. 1, 18c; extra, 20c; No. 2, 24c).

Table listing prices for PAINTS AND COLORS (White Lead, Strictly pure; French, \$12.00 @ \$13.00).

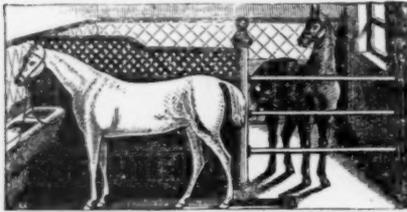
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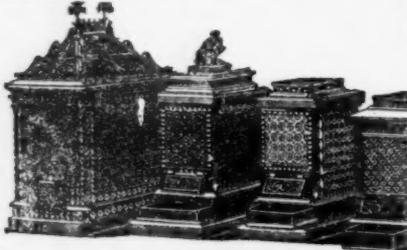
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**SUMMARY OF THE WEEK.**

Reports from the Principal Cities and Towns of the Country.

**Boston.**

**BRICK BUILDINGS.**—The following permits have been granted since our last report:—George W. Meserve, four dwellings on Wellington St., 20' x 41'.

**WOODEN AND FRAME BUILDINGS.**—The following permits have been granted:—

Joseph Hammerk, four dwellings on unnamed place on Green St., 21' x 32', and 24' x 32'. A. W. Fernald, office, 15' x 20', on Dorchester St., rear of Alger; John Collier, boat-house, 46' x 19', Commercial St., near Mill.

**REPAIRS** have been moderately active during the week.

**Brooklyn, N.Y.**

**BUILDING PERMITS.**—Franklin St., n. w. cor. Kent St., one-story brick stable, 25' x 49'; architect, William Potter; builders, not selected. Hancock St., s. s., 50 E. Franklin Ave., 3 three-story brown-stone dwells., 16.4' x 45'; owner and builder, W. J. Rider, 128 Quincy St.; architect, J. H. Giles. Monroe St., s. s., 105 E. Bedford Ave., 2 two-story and bas't brown-stone dwell., 20' x 42'; builder, D. N. Brown. Newell St., e. s., 300 S. Meserole Ave., 1 two-story frame dwell., 22' x 40'; owner, John Fish; architect, Fred. Weber; builders, Port & Doig. Penn St., w. s., 100 N. Harrison St., 3 three-story br. factories, 40' x 56'; architect, W. B. Ditmas; builder, William Auer. Fourth Pl., s. e. cor. Clinton St., 6 three-story brown-stone stores and tenements, 20' x 44' and 45'; owner, etc., Wm. Taylor, 83 3d Pl. Stuben St., No. 67, one-story frame dwell., 13' x 22'; owner, etc., Stephen Jackson. Fifth St., n. s., 100 E. 5th Ave., 6 two-story brown-stone dwells., 20' x 40'; owners, etc., W. & T. Corrigan. Bedford Ave., n. w. cor. Greene Ave., 2 three-story br. stores and dwells., 18.9' x 45' and 50'; owner, E. Sneider. Grand Ave., s. e. cor. Lexington Ave., 1 one-story br. shop, 9' x 9'; owner, etc., Stephen Jackson. Lee Ave., cor. Hewes St. (rear), 1 two-story br. stable, 32' x 40'; owner, John H. Shults, on premises; architect, W. H. Gaylor; builders, W. & T. Lamb, jun., and Andrew Scheid. Marcy Ave., s. e. cor. Pulaski St., 5 two-and-one-half-story br. dwells., 21' x 36'; owner, etc., John Clark, 697 De Kalb Ave. Washington Ave. (Nos. 431 and 443), e. s., 225 N. Gates Ave., 2 three-story brown-stone dwells., 13.8' x 50'; architect, etc., George Lowden.

**Chicago.**

**BUILDING PERMITS.**—The following is a list of new buildings for which permits have been issued during the two weeks ending Oct. 27, 1877:—

R. Faxon, two-story br. store and dwell., 22' x 60', at 1004 West Lake St.; \$3,000. J. Austrian, two-story and bas't br. dwell., 22' x 54, at 1433 Indiana Ave.; cost 4,000; A. J. Smith, architect. R. F. Sillja, 4 two-story and bas't stone-front dwells., each 19' x 40', Walnut, near Ashland Ave., cost \$12,000. H. Kunzle, two-story br. store and dwell., 24' x 46', West Indiana St., near Hoyne St.; cost \$2,500. C. N. Hammond, three-story and bas't br. stone-front dwell., 19' x 46', Ontario, near Pine; cost \$7,000. C. Birch-mair, three-story, bas't, and cellar br. dwell., 25' x 56', at 385 Oak St.; cost \$6,000. W. S. Brawley, two-story and bas't brick dwell., 22' x 52', at 1428 Indiana Ave.; cost 5,000. E. Mayward, 4 two-story br. dwells., each 22' x 36', Park St., near Leavitt St.; cost \$10,000. H. B. Maxwell, two-story and bas't br. stone-front dwell., 25' x 45', at 454 Hurlburt St.; cost \$5,000. Bartholomew & Leight, three-story ice-house, 55' x 88', 684 and 686 Sedgwick St.; cost \$10,000. G. A. Seaverns, one-story br. warehouse, 54' x 216', 639 and 641 South Clark St.; cost \$6,000. G. Smith, 2 four-story and bas't br. stores, each 40' x 150', N. E. cor. Lake and Fifth Ave.; cost \$60,000. T. Reinhardt, two-story br. dwell., 24' x 52', Halstead St., near Centre St.; cost \$3,000. E. Shills, three-story and cellar brick dwelling, 33' x 53', Wells St., near Schiller St.; cost \$5,000. W. Joy, two-story and bas't br. dwell., 24' x 50', at 228 Sedgwick St.; cost \$4,500. N. Olsen, two-story and cellar br. dwell., 21' x 48', Park St., near Robey St.; cost \$3,000. L. M. Melander, three-story and bas't br. stone-front dwell., 23' x 44', LaSalle St., near Schiller St.; cost \$3,000. W. Lloyd, two-story and cellar, br. stone-front dwell., 25' x 63', Warren Ave., near Robey St.; cost \$5,000. E. S. Dryer, two-story br. dwell., 22' x 25', Indiana St., near Pine St.; cost \$2,000. Sutter Bros., two-story and bas't br. dwell., 23' x 52', Wells, near Schiller; cost \$4,500. S. Simons, two-story and bas't br. dwell., 25' x 50', Fulton and Elizabeth Sts., cost 4,500. Holmes, Pyott, & Co., 3 two-story and bas't br. stone-front dwells., each 20' x 51', Marshfield Ave., near Congress St.; cost \$12,000. Total, 31 buildings; cost \$180,000.

Buildings costing less than \$2,000 each, 23; costing \$32,000. Total, 54 buildings. Total cost, \$212,000.

**New York.**

**BUILDINGS PROJECTED FOR THE WEEK ENDING OCT. 30.**—Forty-six in number, consisting of dwellings, tenements, stores, factories, etc. Total value, \$344,000.

Owners.	Architects.	Builders.
Ernest Cook.....	James Barrett.....	McEntee & Son.....
Samuel Phillips.....	John C. Burne.....	Theo Riker.....
Theo Riker.....	John Brandt.....	Richard Shafter.....
Solomon Bethmann.....	George Halzell.....	Bernard Munday.....
F. L. Volk.....	.....	Speight & Burke.....
David Jones.....	.....	Isaac Acker.....
James Haffner.....	.....	.....
P. P. Decker.....	F. F. Barnes.....	.....
Moses Lazarus.....	J. M. Grenell.....	.....
James McMasters.....	D. & J. Jardine.....	.....
S. Bellman.....	.....	.....
John McGlynn.....	J. C. Burne.....	.....
E. N. Dickerson.....	McKim, Mead, & Bigelow.....	James Harmel.....
C. Keiffe.....	Emery & Forsyth.....	.....
Mary E. Turner.....	J. G. Van Tassel.....	Mooney McGerity.....
Henry L. Morris.....	.....	.....
Andrew Kiernan.....	J. M. Dunn.....	Cokerill & Spanning.....
W. R. Beal.....	H. S. Baker.....	Anderson & Son.....
Conrad Stein.....	William Jose.....	Alex Campbell.....
.....	.....	Miles & Klein.....

Dwellings, twenty-six; tenements, thirteen; stores, three; factories, two; stables, two.

**Springfield, Ill.**

**THE NEW JAIL.**—The plans of Mr. George H. Helmle have been selected for this building, which is to cost about \$65,000, including sum paid for grounds. The style of architecture is to be Moorish Gothic, and plans are for a building of brick and stone, 80' x 120' fronting on Ninth St. The jailor's residence of brick, with stone trimmings, and containing seven rooms, directly connected with the prison office, will form the front of the building. The jail proper is to be of stone, two stories in height, main entrance on Capitol Ave., opening into a large hall, 8' wide; and interior arrangements especially designed for convenience and safety; the first floor to contain thirty-two cells, and the second forty-four, divided into three apartments,—for hardened criminals, women, and juvenile. The floors, partitions, and ceiling will be of stone; no wood being used. The ground is to be enclosed by a 14' brick wall with stone footings and cut-stone caps; the work-houses to be built within the enclosure, and to consist of two brick buildings, 30' x 90' each, with metallic roofs. Accommodation for 250 or 300 prisoners is assured, and without overcrowding.

**St. Louis.**

**BUILDING PERMITS.**—Thirty-one permits have been issued for the week ending Oct. 25. Nine of these are frame structures of slight value. The rest are for buildings of brick with fronts of brick or of stone. Those worth \$2,500 and over are as follows:—

Owners.	Use.	Stories.	Rooms.	Cost.
H. Murray.....	Dwelling.	2	24	\$5,500
Thomas Wilson.....	"	2	12	2,500
D. Rankin, jun.....	Stores & dw.	2	49	17,500
J. A. Maasa.....	Dwelling.	2	6	2,900

Mr. J. W. Herthel, architect, has just completed plans for a residence to be erected near Lafayette Park, for Dr. Luytens, homoeopathist.

**Bids for furnishing Building Materials.**

The following bids have been received for the water works of Peru, Indiana: Aggregate bids, including labor, pipe, valves, and hydrants, Geo. C. Morgan, Chicago, \$66,585; R. D. Wood & Co., Philadelphia, \$64,825; Delos A. Chappell, Chicago, \$63,558. Separate bids for pipe: Dennis Long & Co., Louisville, \$28.75 per ton; R. D. Wood & Co., Philadelphia, \$28.90; Lake Shore Pipe Foundry of Cleveland, \$29.80; Drulard & Hayes, Buffalo, \$30; Schickle, Harrison, & Co., St. Louis, \$31.75; H. R. Smith & Co., Columbus, O., \$28.77; Gloucester Iron Works, Philadelphia, \$31. Pumping Machinery: Henry R. Worthington, New York, \$17,500; Cope & Maxwell, Hamilton, O., \$17,000; Dean Bros., Indianapolis, Ind., \$14,900; Knowles Pump Works, \$13,998; Holly Water Works Co., Lockport, N.Y., \$21,000; Hartford Machine Co., Hartford, Conn., \$19,200.

The Southern Penitentiary Commissioners opened bids at Springfield, Ill., Oct. 25, for the construction of a prison at Chester, Ill. There were forty-eight bidders, but some of them submitted two or three proposals each. The following were some of the bids received: For the entire material and labor for the construction of buildings, with the provision that convict labor shall be employed, as provided in the law providing for the Southern Illinois Penitentiary. In this class the Joliet Penitentiary submits the lowest bid, namely, \$69,946, and will probably get the contract. Other bids run from \$120,000

to that of Fred Bauman, \$180,000. In this class the bid of W. D. Richardson, Springfield, \$172,000, and to allow 50 cents a day for convict labor, is protested against as being five minutes late. For the work and material composing the block of one hundred cells complete, Boltis & Nelson, \$95,400; 150 cells, \$83,900; Claus, Black, & Co., 150 cells, \$87,900; Joliet Penitentiary Board, \$55,000.

The following is an abstract of bids received and opened Oct. 16, 1877, for furnishing and putting in place cast-iron window and door frames and trimmings in the East Wing of Building for State, War, and Navy Departments per advertisement dated Sept. 16, 1877. Smith, Berge & Co., Washington, D.C., \$54,000.35; Bartlett, Robins, & Co., Baltimore, Md., \$38,363.10; Heuvelmen, Haven, & Co., New York, \$30,700; H. A. Ramsay & Co., Baltimore, Md., \$45,000; Joseph Hall & Co., Richmond, Va., \$33,393.75.

**Washington Building Notes.**

A CORRESPONDENT sends the following items of interest:—The retrenchment of expenditures in all branches of the public service has caused a retardation in carrying out the plans for public improvements at the Capitol. The continuation of the work on the new State, War, and Navy Department Building is going on within the limits of an appropriation of \$400,000 for current fiscal year, under Col. Casey of the Engineer Corps of the Army. The improvement of the heating and ventilating of the House of Representatives' Hall has been undertaken under an appropriation of \$33,000, according to plans for which a joint commission of officials, consisting of Gen. Humphreys, Chief-of-Engineers, Prof. Jos. Henry, and the architects of the Treasury Department and of the United States Capitol, is responsible. Enclosure-walls, entrance-gates, etc., have been built around the Capitol-grounds, under an appropriation of \$67,000. In addition to this, about \$64,000 additional were available for pavements within the Capitol-grounds. Fred. Lum Olmsted is the landscape architect, and Mr. Edw. Clark, as the resident architect, has charge of the entire work. At the Deaf and Dumb Asylum, a new college-building for miscellaneous purposes, 144' by 56' in size, is in progress, and about \$70,000 are spent on it during the current fiscal year; the ultimate cost of the building is stated to be \$150,000. The building is designed in the well-known modern secular Gothic style of Mr. F. C. Withers, the architect, and is under contract by J. G. Naylor, the builder.

The Department of Agriculture had galleries built around its museum by Messrs. Chuss and Daniel, architects. The Bartholdi Fountain, a prominent feature on the grounds of the Centennial Exposition, has been bought by the United States Government, and is being re-erected at the so-called Botanical Garden. The location is badly chosen, on low ground without proper approaches, and must sooner or later be changed to one of the numerous suitable places in the city. An equestrian statue of Gen. Geo. H. Thomas is being erected on the circle at the intersection of Massachusetts and Rhode Island Avenues; it is expected that the statue will not be unveiled before next spring. A colossal statue of Admiral Farragut has been in the sculptor's hands for a couple of years; but it is uncertain when it will be finished, and no site has been positively decided upon. At the Soldiers' Home, immediately north of the city, a billiard-room and ten-pin alley is being built in modern architecture, at a cost of about \$50,000, by plans of Messrs. Pels and Smithmyer, architects. This is not strictly a Government enterprise, since the funds are derived from a deduction of the monthly wages of the U. S. soldiers for the support of the Home.

A new building for the Children's Hospital, 48' square by 55' (three stories and bas't) high, with a wing of 102' x 26', containing two stories and bas't, all of a strictly utilitarian character, is being erected according to the plans of Mr. J. C. Harkness, by J. G. Naylor, builder. The Unitarians are erecting All Souls' Church, at cor. of Fourteenth and L Sts., N.W. This is a Gothic structure, costing about \$40,000, built from designs of a Northern architect; the detail and working drawings are issued over the signature of Robert I. Fleming, the carpenter of the occasion. The Washington Market Company have built an ornamental front of pressed bricks, with wrought-work of light Ohio sandstone, to their market-houses on south side of Pennsylvania Ave. The front extends from Seventh to Ninth Sts., and has a length of 500'. It required 160,000 pressed brick, and 900,000 common bricks, and cost \$60,000 so far. The work was commenced in 1876, and is being finished this season. A free treatment of mostly mediæval architectural elements has been resorted-to by Messrs. Chuss & Daniel, architects. The work has been done by separate contracts for the different branches. The Sisters of the Visitation have erected a group of new buildings on Connecticut Ave.,

between L and M Sts. It is 212' in length by 100' extreme depth, contains sub-cellar, has't, and three full st'ys, all steam-heated, and slated roofs. It is arranged for the purpose of the convent proper, for a large chapel, and for an academy with ample accommodations, including a music-hall of 48' x 70' in size, and 30' high. The building and enclosure-wall cost \$112,000, and required about 2,100,000 bricks. The architecture is conceived in a modernized medieval style, and the effect is reached principally by bold projections and recesses, which break up the long front; and by ornamental brick-work. Messrs. Cluss & Daniel are the architects, and Mr. Thomas B. Entwisle is the contractor. The District Government has erected a couple of school-buildings of a strictly utilitarian character, at an expense of about \$20,000 apiece.

Among private dwellings may be mentioned Mr. Lewis Clephane's residence, cor. Thirteenth and V Sts., erected at an expense of about \$20,000, by John Frazer, architect; and a similar residence for Mr. M. W. Galt at Pacific Place, by C. Didden, architect. Mr. John Sherman, the Secretary of the Treasury, and Mr. M. M. Bohrer, real estate broker, who own large squares to the north and south of North F St., between First and Second Sts. east, have 64 dwellings of a cheap class under way; the proprietors furnishing the land and advancing \$1,000 for each house to a builder, who refunds the owners of the land by a number of finished houses, and keeps the remainder for speculative purposes on his own hook. In case the enterprise fails, the land-owners have a deed of trust covering the whole ground, which must secure them from losses. Similar enterprises on a smaller scale are under way in other parts of the city.

### INDEX OF CURRENT WORK.

Giving information concerning important buildings now unfinished.

#### Albany, N.Y.

BREWERY.—Quinn & Nolan, owners. W. Dickson, architect. Cost \$20,000.  
POST-OFFICE.—Jas. G. Hill, Supervising architect, of the Treasury Department.

#### Boston, Mass.

CHURCH.—Cost \$75,000. Mr. John Welch, architect, Brooklyn, N.Y.  
HOTEL.—Hotel Sumner. E. B. Horn, owner. Messrs. Appleton & Stephenson, architects, Boston, Mass.  
HOTEL.—Hotel Comfort. \$30,000. L. Weissbain, architect W. Sheaf, owner.  
HOTEL.—4'righton House. C. Fehmer, architect.  
POST-OFFICE.—James G. Hill, Supervising Architect Treasury Department.  
SCHOOLHOUSE.—High and Latin School. G. A. Clough, architect.

#### Brooklyn, N.Y.

CONCRETE GARDEN.—F. H. Coles, architect. Cost \$50,000.  
HOSPITAL.—Church Charity Foundation of the Protest-ant Episcopal Diocese of Long Island. N. L. Derby, architect, N. W. York.  
JAIL.—Mr. Mundell

#### Chicago, Ill.

APARTMENT HOUSE.—D. Wells, owner. C. T. Thomas, architect. Cost \$24,000.  
CHURCH.—Jefferson-park Presbyterian. J. C. Cochrane, architect.  
STORE.—D. W. Kendall, architect. Cost \$20,000.

#### Cincinnati, O.

AQUARIUM.—James W. McLaughlin, architect.  
STORE.—Alms & Doepke, owners. Hannaford and Procter, architects.  
MUSIC HALL.—Hannaford and Procter, architects.  
STORES.—G. P. Lummaries, architect. Cost \$10,000.

#### Cleveland, O.

CONVENT.—Ursulin Academy. L. A. Heard, architect. Cost \$10,000.  
CHURCH.—Heights Congregational Church. Walter Blythe, architect.  
CHURCH.—Woodland Avenue Presbyterian. F. S. Barnum, architect. Cost \$0,000.  
BLOCK OF STORES.—Corner Erie Street and Woodland Avenue. Grimes and White, architects and builders.  
PUBLISHING HOUSE.—Evangelical Publishing Association. \$45,000. J. M. Blackburn, architect.

#### Hartford, Conn.

TRINITY COLLEGE.—F. H. Kimball, supervising architect.  
OPRMAN HOME.—F. H. Kimball, architect.

#### New York.

ARMORY for the Seventh Regiment. \$300,000.  
CONVENT OF THE SISTERS OF ST. JOSE.—E. G. Littell, architect.  
CHURCH.—Grace Church. W. T. Beers & Son, architects. Cost \$0,000.  
CHURCH.—Roman Catholic Church, West Fifteenth Street. Cost \$150,000.  
ORIENT INSURANCE COMPANY'S BUILDING.—A. H. Thorp, architect. Cost \$25,000.  
QUEEN'S INSURANCE COMPANY'S BUILDING.—Clinton & Pinson, architects. Cost \$100,000.  
STORE.—G. Thomas, architect. Cost \$20,000.

#### Philadelphia.

CHURCH.—Central Presbyterian. Collins and Audenreith, architects. G. Watson, builder.  
HOSPITAL.—Presbyterian Hospital. Wilson Bros., architects.  
OFFICE BUILDING.—Girard Trust.  
THEATRE.—Chestnut-street Theatre.

#### General.

AERON, O.—First Universalist Church. \$35,000. F. O. Westy, architect.  
ANDERSON, IND.—Asylum. M. E. May, architect, Indianapolis, Ind.  
ARE ARBORE, MICH.—Court-house. Mr. Bunting, architect, Indianapolis, Ind.  
ARCADIA, WIS.—Court-house and Jail. C. G. Maybury, architect, Winona, Minn. Cost \$23,000.  
BALTIMORE, MD.—Church of St. Michael and All Angels.

BELFAST, ME.—Masonic Temple. G. M. Harding, architect, Boston, Mass.  
BLOOMFIELD, IO.—Court-house. Larkworthy & Mead, contractors.

BUFFALO, N.Y.—St. Peter's Evangelical Church. M. E. Bebe, architect.

CHATTANOOGA, TENN.—Court-house. A. C. Bruce, Knoxville, Tenn. architect.

COVINGTON, KY.—Schoolhouse. H. Davis, Cincinnati, architect. Cost \$25,000.

DES MOINES, IO.—State House. Bell & Hackney, supervising architects.

GARIBAU, MINN.—Deaf, Dumb, and Blind Asylum. J. Babcock & Co., contractors. Cost \$53,430.

FALWERTON, TEX.—Cotton Exchange. Gibbs & Moser, architects.

GARDEN CITY, L.I.—Stewart Memorial Church. H. G. Harrison, architect.

GOSHEN, IND.—Opera House. \$22,000. Noble & Son, owners.

GREENSBURG, IND.—Hotel. \$18,000. Ketcham & Gibson, architects, Indianapolis.

HOBOKEN, N.J.—St. Matthew's Church. Mr. H. Englebert, architect, New York.

JERSEY CITY.—Catholic College. J. O'Connor, architect.

JOHET, ILL.—St. Mary's (Roman Catholic) Church. Mr. Kelly, architect, Brooklyn.

KANKAKEE, ILL.—Insane Asylum. J. R. Willott, architect.

LEYS, MASS.—First Methodist Church. \$40,000. W. G. Preston, architect. J. F. Kibbey & Son, contractors.

NEWPORT, R.I.—Residence of P. Lorillard. \$0,000.

NOBLESVILLE, IND.—Court House. A. G. Camsfield, Winchester, Ind., contractor.

OIL CITY, PENN.—Exchange. \$75,000. J. M. Budge, jun., architect.

OTTAWA, ILL.—Holy Trinity (R. C.) Church. H. C. Furness, architect. Cost \$150,000.

PORT CHESTER, N.Y.—Dwelling. E. R. Wesley, owner. W. T. Beers & Son, architects. Cost \$15,000.

ROME, GA.—Shorter Female College. J. A. Cooley, contractor.

SACRAMENTO, CAL.—Masonic Hall. Carle & Croly, contractors.

SING SING, N.Y.—Methodist Church. Cost \$48,000.

SPRINGFIELD, ILL.—State House. J. C. Cochrane, architect.

ST. LOUIS, MO.—Hospital. Rev. E. A. Schindel. \$10,000.

WARREN, IND.—Court-house. B. V. Enos & Son, architects. Cost \$100,000.

WATERBURY, CONN.—Methodist Church. \$10,000.

WALKEGAN, ILL.—Court-house. H. C. Koch, architect. Cost \$40,000.

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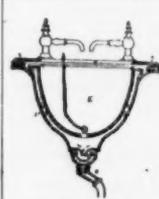
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**GLASS.**

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TREASURY DEPARTMENT,  
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Sealed proposals will be received at this office until 12 M. on the thirteenth day of November, 1877, for furnishing and delivering at the U. S. Custom House, Charleston, S. C., all the plate glass required for the windows and transoms of that building, cut to proper sizes, ready for putting in place, in accordance with specifications and schedule.

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JAS. G. HILL, Supervising Architect.

**IRON STAIRS.**

Proposals for Wrought and Cast Iron Stairs, for the United States Court House and Post Office at Lincoln, Neb.

OFFICE OF THE SUPERVISING ARCHITECT,  
TREASURY DEPARTMENT,  
WASHINGTON, D. C., Oct. 20, 1877.

Sealed Proposals will be received at this office until 12 M. on the 13th day of November, 1877, for furnishing, delivering, and fixing in place complete, all the Wrought and Cast Iron Stairs for the United States Court House and Post Office at Lincoln, Neb., in accordance with drawings and specification.

Copies of drawings and specification, form of proposal, and any additional information, may be had on application at this office, or the office of the Superintendent.

JAS. G. HILL, Supervising Architect.

**CUT GRANITE WORK.**

Proposals for Cut Granite Work for the basement and area walls of the United States Court House and Post Office, at Utica, N. Y.

OFFICE OF THE SUPERVISING ARCHITECT,  
TREASURY DEPARTMENT,  
WASHINGTON, D. C., Oct. 19, 1877.

Sealed Proposals will be received at this office until 12 M. on the 6th day of November, 1877, for furnishing, delivering, and fixing in place complete, all the Cut Granite Work, lewis and ready for setting, required for the basement and area walls of that building, in accordance with drawings and specification.

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JAS. G. HILL, Supervising Architect.

**IRON WORK.**

Proposals for Slater's Galvanized Iron Work, etc., for the roofs of the United States Court House and Post Office, at Covington, Ky.

OFFICE OF THE SUPERVISING ARCHITECT,  
TREASURY DEPARTMENT,  
WASHINGTON, D. C., Oct. 18, 1877.

Sealed Proposals will be received at this office until 12 M. on the 5th day of November, 1877, for all the Slaters' Work and Galvanized Iron Work, including Wrought Iron Finials and Crest Railing, required for the roofs of the United States Court House and Post Office, at Covington, Ky., in accordance with drawings and specifications.

Copies of drawings and specifications, form of proposal, and any additional information, may be had on application at this office, or the office of the Superintendent.

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**IRON CABLE BANDS AND STONE.**

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Proposals for Rolled Iron beams, etc., for first floor of U. S. Custom House, etc., at Memphis, Tenn.

OFFICE OF THE SUPERVISING ARCHITECT,  
TREASURY DEPARTMENT,  
WASHINGTON, D. C., Oct. 20, 1877.

Sealed Proposals will be received at this office until 12 M. on the eighth day of November, 1877, for furnishing, delivering, and fixing in place complete, all the rolled iron beams, etc., for the first floor of the U. S. Custom House, Memphis, Tenn., in accordance with drawings and specification.

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 The well-established and still increasing popularity of the inventions made by Mr. Samuel F. Gold from the year 1858 to the present time, for warming buildings (the sales of which have aggregated millions of dollars), has resulted in a reputation which is not only valuable to those who have the right to manufacture and sell his apparatus, but is also at the same time a guaranty to the public of the practical utility and value of heating apparatus bearing his name as inventor.  
 That inventions so popular and valuable as his would be counterfeited was to be expected; and his "Hygeian Heater," patented by him April 8, 1872, has been imitated in external appearance in a hot-air furnace introduced as "Gold's Health Heater," under the auspices of one E. E. Gold, and sold by what is represented to be the "Gold's Heater Manufacturing Company" of 114 Leonard Street, New York City, thus adding the name of "Gold" to the imitation of appearance.  
 We have been engaged in the manufacture and sale of Mr. Samuel F. Gold's inventions for warming buildings, for nearly twenty years, and are now the only parties authorized to manufacture his Hygeian Heater.  
 We therefore deem it proper to inform the public that neither Mr. Samuel F. Gold nor ourselves have any connection whatever with the so-called "Gold's Health Heater," which is practically a very different structure from the "Hygeian Heater," and very different from any heating apparatus ever invented or patented by Mr. Samuel F. Gold.  
 We would also state that neither Mr. Samuel F. Gold nor ourselves have any connection with the so-called "Gold's Tubular Heater," manufactured under the auspices of the said E. E. Gold, and sold by the concern in Leonard Street above mentioned.      **H. B. SMITH & CO.**  
 WESTFIELD, MASS., Oct. 3, 1877.  
 I concur in the foregoing representations made by Messrs. H. B. Smith & Co., of Westfield, Mass.  
 ENGLEWOOD, N. J., Oct. 3, 1877.      **SAMUEL F. GOLD.**

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BUILDING MATERIALS.

[Reported for the American Architect and Building News.]

THE NEW YORK MARKET. WHOLESALE PRICES.

Table listing various building materials like BRICK, FRONTS, CEMENT, and FIRE BRICK with their respective prices and specifications.

Table listing DOORS AND BLINDS, including RAISED PANELS and MOULDED DOORS with prices.

Table listing OUTSIDE BLINDS and WINDOW FRAMES with prices.

Table listing HAIL and LIME with prices.

Table listing LATH and LUMBER with prices.

Table listing PAINTS AND OILS with various types and prices.

Table listing SLATE with prices.

Table listing SOLDERS with prices.

Table listing TIN PLATES with prices.

Table listing JARVIS PATENT FURNACE with details.

Table listing various types of COKE and ZINC with prices.

Table listing LEAD and its prices.

BOSTON.

PRICES TO CONTRACTORS AND BUILDERS.

Table listing FIRE BRICK with prices.

Table listing BUILDING BRICKS with prices.

Table listing LUMBER with various grades and prices.

Table listing PAINTS AND OILS with prices.

Table listing LIME with prices.

Table listing CEMENT with prices.

Table listing BUILDERS' HARDWARE with prices.

Table listing ASH and other materials with prices.

Table listing DOOR BUTTS with prices.

Table listing MORTISE LOCKS with prices.

Table listing DOOR KNOBS with prices.

Table listing SASH FASTS with prices.

Table listing SCREWS with prices.

Table listing STORE DOOR HANDLES with prices.

Table listing IRON with prices.

Table listing WROUGHT-IRON BEAMS with prices.

Table listing WROUGHT-IRON CHANNEL BEAMS with prices.

Table listing WROUGHT-IRON ANGLE IRONS with prices.

Table listing WROUGHT-IRON GIRDER PLATES with prices.

Table listing WROUGHT-IRON RIVETS with prices.

CHICAGO. PRICES TO CONTRACTORS AND BUILDERS.

Table listing BRICK, LIME, AND CEMENT with prices.

Table listing LUMBER (MICHIGAN PINE) with prices.

Table listing HARDWOOD LUMBER with prices.

Table listing METALS AND TINNERS' STOCK with prices.

Table listing SOLDER with prices.

Table listing PAINTS AND COLORS with prices.

Table listing NAILS with prices.

Table listing WIRE with prices.

Table listing OILS with prices.

Table listing MEDIEVAL FOLIAGE with prices.

Table listing JARVIS PATENT FURNACE with details.

Table listing CREOSOTED WOOD with details.

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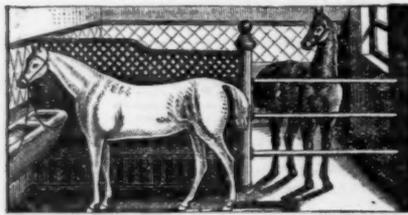
Table listing JARVIS PATENT FURNACE with details.

Table listing CREOSOTED WOOD with details.

Table listing MEDIEVAL FOLIAGE with details.

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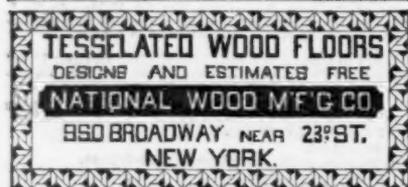
**PRIZE MEDALS.**

London, 1862. Paris, 1867. Philadelphia, 1876.

Estimates and designs on application.



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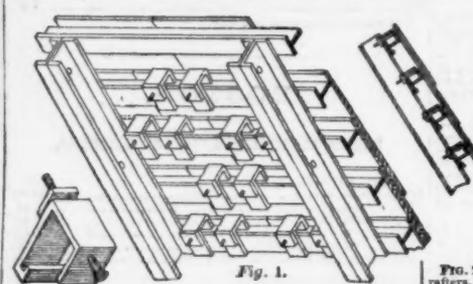


FIG. 1. The above invention relates to the manner of securing slates to iron roofs. It consists of a bent plate of suitable metal, which hooks around or under the purlins on which the slate rests, and is provided with a bolt passing through it and the bent plate, one end of the bolt having a head, which is countersunk in the upper side of the slate, the other end of the bolt being secured by a nut, or otherwise.

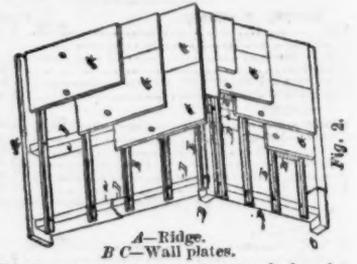


FIG. 2. This invention consists of a roof composed of wooden rafters, (D) covered with sheet metal (a) or other fire-proof material, and iron purlins (c) or beams, with the slates (G) or other covering secured thereto by clasp, (FIG. 1) or in any other suitable manner, in connection with a fire-proof cement, (H) or composition rendered or laid within the space enclosed by the rafters and purlins immediately under and in contact with the slates or a covering of the roof, by which construction the roof boards are dispensed with, and a roof is produced thoroughly fire-proof at every point, avoiding condensation, contraction and expansion of roofs formed wholly of iron.

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 On the completion of each SAFETY ELEVATOR we load the platform, and cut the ROPE by which it is suspended. As it never fails to catch, we give a practical demonstration of the certainty of our SAFETY APPARATUS acting in case the rope should break at some future time.

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Fine Castings of Malleable and Gray Iron, German Silver, and Composition; also Patterns a specialty.

**BUILDING INTELLIGENCE.**

[Reported for the American Architect and Building News.]

**BUILDING PATENTS.**

**SHUTTER-FASTENINGS.**—O. W. Booth and T. Wyatt, Providence, R.I. A catch-lever loosely journaled in a suitable case is combined with a pivoted and swinging dog, so arranged that its flattened upper end presses against the lower slot of the blind, while its notched lower end rests upon the top of the lever and locks it in position. There is also a peculiar face-plate transversely slotted and turned over to admit the lever, and then bent back and secured by the usual attaching-screws.

**BRICK KILN.**—J. H. Kelley, Muncie, Ind. **SHINGLE-SAWING MACHINE.**—W. J. Perkins, Grand Rapids, Mich.

**IRON MANTELS FOR FIRE-PLACES.**—T. S., J. M., and T. E. Scantlin, Evansville, Ind.

**EAVES-TROUGH MACHINE.**—W. J. Barber, Covington, Ind.

**DRAWING-BOARDS.**—T. Bergner, Philadelphia, Penn.

**STOVE-GRATES.**—H. Cribben, Chicago, Ill.

**ARTIFICIAL MARBLE, ETC.**—W. Dwight, Chicago, Ill. The base of the composition is plaster of Paris, or a stone cement immersed for a time in a bath of melted paraffine.

**BRICK-MACHINE.**—W. E. Gard, Croton Landing, N.Y.

**BURGLAR-ALARM.**—F. Krupp, New Orleans, La. A small catch is released, which sounds an alarm, and at the same time strikes a light.

**HYDRANTS AND HOSE-PLUGS.**—G. W. Lutus, Wheeling, W. Va.

**BURGLAR-ALARM.**—W. N. Patterson, Frankfort, Ky. This alarm is substantially a bell attached directly to the door-handle.

**MATERIAL FOR CHAIR-SEATS.**—J. N. Provenzano and S. de Gaetano, New York, N.Y. This material is composed of an outer layer of woven rushes or other similar material, and a backing of paper or other fibrous material.

**CURTAIN ROLLER AND BRACKETS.**—H. C. Steinhoff, New York, N.Y. The roller revolves by the agency of a spiral spring.

**PRESERVING WOODEN PILES AND TIMBER.**—J. P. Culver, San Francisco, Cal. The portion of the pile between high-water line and the level of bed of the stream is protected by an envelope of burlap or other material saturated with asphaltum, and wound in a spiral manner.

**FIRE-PROOF FLOORS FOR BUILDINGS.**—J. J. Egan and H. W. Hill, Chicago, Ill. Iron floor joists support pairs of elliptically arched tiles reinforced by projecting ribs; the lower tile of section similar to the upper being inverted. The floor joists are tied together by iron rods. Above and below the tiles concrete filling is used, which receives wooden or stone flooring, and the ceiling.

**FIRE HYDRANTS.**—J. Flower, Detroit, Mich.

**SASH-HOLDER.**—V. Freeman, Norfolk, Va.

**WINDOW-CLEANERS.**—W. C. Gayton, Chicago, Ill. The point of interest is the tubular cushion and rubber strip which presses closely upon the glass.

**KNOBS FOR DOORS.**—S. Hiler, New York, N.Y.

**CASTERS FOR FURNITURE.**—E. Hoffstaeter, New York, N.Y. The cap-plate and framework of the caster are connected by a centre-pin, through the body of which passes a transverse pin, which likewise serves as the axis of a small anti-friction roller, thus at the same time journaling the small roller and connecting all the parts together.

**BURGLAR-ALARM.**—W. H. Knowles, jun., Camden, N.J. The forcing of a bolt strikes a gong.

**FURNITURE-CASTERS.**—S. Konz, Louisville, Ky. The roller is a solid ball enclosed in a cup, and working upon a pair of friction rollers.

**SINK-TRAPS.**—H. Miller, Providence, R.I.

**OPERA-CHAIRS.**—P. W. Nolan, New York, N.Y.

**COMBINED MONUMENT AND TOMB.**—G. D. Schuyler, Lyons, N.Y.

**WOOD AND COAL BOXES.**—A. Stautz, New York, N.Y.

**FIRE EXTINGUISHER.**—C. W. Talcott, Woonsocket, R.I. Is substantially a light cap for excluding dust from the perforated tubes commonly used in factories. The cap is unsecured and easily removed by the pressure of water.

**A RECORD.**

Showing how buildings recently burned are to be replaced.

**BARRIE, ONT.**—The building which was occupied by Marrin Bros., as general store, and which was burned Sept. 22, 1877, to be replaced by a building measuring 100' x 30', and three stories high, to be built of red br., from drawings prepared by Mr. Graham, architect. As a precaution against future fires, the building will be built with the best fire-proof materials.

**MARION, O.**—The building which was occupied by H. True & Co., and which was burned May 4, is to be replaced by a brick and stone building three stories high, and measuring 100' x 132'. It is to be used for stores and offices, and for a Masonic Hall. The building was designed by D. W. Gibbs of Toledo, O., and is to be built by G. B. Christian.

**PROVIDENCE, R.I.**—The work of rebuilding on the site of the recent fire goes on rapidly. Waldron and Wightman's building is well up toward the second story, and a large force of men is employed. At the Daniels building, also, work has commenced; while on Eddy's building, and the others in the vicinity that were partially damaged, repairs are being made with due celerity.

**SUMMARY OF THE WEEK.**

Reports from the Principal Cities and Towns of the Country.

**Boston.**

**BRICK BUILDINGS.**—The following permits have been issued:—

Weston & Shepard, dwell., 50' 6" x 70', Berkeley & Marlboro' Sts.; J. Devine, stable, 18' x 25', Northampton St.; Vinal & Dodge, storage, 28' x 153', rear 916 Washington St.

**REPAIRS.**—About fifty applications for repairs have been granted since Nov. 1.

**WOODEN AND FRAME BUILDINGS.**—The following permits have been granted since our last report:—

A. P. Clifford, 4 dwells., 26' x 30'; W. H. Lee, iron foundry, 50' x 37'; E. Russell, 2 dwells., 22' x 47'; C. Hanley, stable, 40' x 20'; R. L. Brown, stable, 15' x 15'; W. Hunt, stable, 42' x 38'; J. Cookson, storage, 30' x 25'; A. Waterman, lumber shed, 41' x 30'; H. M. Perry, dwell., 23' x 32'; A. Parker, dwell., 26' x 32'; W. F. Hull and G. E. Simpson, stable, 11' x 12'; G. W. Hargrave, 4 dwells., 20' x 35'; T. W. McLaughlin, stable, 25' x 18'; A. McGuinness, dwell., 20' x 27'; G. A. Spear, stable, 40' x 40'; J. Quirk, Metropolitan passenger-station, 21' x 22'.

**DRILL HALL.**—An effort is making, with a view to the erection of a mammoth building containing armories and drill-hall for some of the companies of infantry of this city. Our militia has suffered greatly in years past, for want of suitable quarters in which to drill, and still experiences considerable inconvenience in this respect. The gentlemen having this matter in charge intend to form an association from among present and past officers of the Massachusetts Volunteer Militia; and all interested are invited to forward their names to Capt. William Downie, 150 Oliver St., Boston.

**SEWER-PIPE.**—The large contract for furnishing Akron pipe for the Mystic Valley sewer has been awarded by the Boston Water Board to Messrs. Lewis & Willett of 38 Hawley St.

**Chicago.**

Year 1877.	Month.	CLASSIFICATION OF BUILDINGS.										Total.		
		Stores and Dwelling.	Stores and Dwelling.	Stores and Dwelling.	Stores and Dwelling.	Stores and Dwelling.	Stores and Dwelling.	Stores and Dwelling.	Stores and Dwelling.	Stores and Dwelling.	Stores and Dwelling.			
Oct.	122	376	425	384	31	2	0	0	1	3	5	41	102	\$31,000
Nov.	224	425	384	31	2	0	0	1	3	5	41	102	\$31,000	
Dec.	1,467	38,243	631	776	128	128	128	128	128	128	128	128	128	\$570,300
Jan. 1 to Oct. 31, 1877.														

REMARKS.—Cost of additions, basements, and improvements to buildings recently erected, for the month of October 1877, \$49,400. Total cost of new buildings and improvements for October, 1877, \$693,000; for October 1876, \$1,230,300. Total cost of new buildings and improvements from Jan. 1, to Oct. 31, 1877, \$5,703,300; same period, 1876, \$7,357,300.

**Cincinnati, O.**

**BUILDING PERMITS.**—The following building permits were issued by the Board of Public Works for the week ending Nov. 5, 1877:—

T. Curran, addition to one-st'y frame, Kenton St.; cost \$800. V. Burnham, repair to three-st'y br., No. 138 Sixth St.; cost \$1,500. G. L. Utter, repair to two-st'y br., cor. Walker-Mill Road and Liberty St.; cost \$1,500. J. J. Cozad, addition to four-st'y br., No. 461 Fifth St.; cost

\$2,500. H. Stix, six-st'y stone-front, Race St.; cost \$25,000. J. Griffith & Sons, three-st'y br., Culvert and Fifth Sts.; cost \$8,000. F. Wibleman, three-st'y br., cor. Ninth and John Sts.; cost \$2,500.

**New York.**

**THE BROOKLYN BRIDGE CONTRACTS.**—The trustees of the East River Bridge met this afternoon, and the contracts for granite were awarded to Pierce, Rowe, & Co., of Frankfort, Me., to cost \$290,631.30; Collins Granite Company of East Philadelphia, to cost \$222,975; Bodwell Granite Company of Rockland, Me., to cost \$155,548.60. Total cost, \$669,154.90.

**Philadelphia.**

**BUILDING PERMITS** issued during the week ending Nov. 3, 1877.

D. Price, one-st'y church, 35' x 56', cor. Orrianna and Cumberland Sts.; Kruger Bros., 2 two-st'y back buildings, 13' x 41', Hancock, south of Chelton Ave., Germantown; W. H. Kester, 4 three-st'y dwells., 19' x 60', Rittenhouse St., Germantown; J. Patton, two-st'y front building, 15' x 16', Cambria St.; J. G. Berkheimer, two-st'y shop, 32' x 28', Tenth St.; W. E. Atkinson, two-st'y stable, 14' x 31', Taylor St.; W. Fecklenberg, two-story dwell., 18' x 28', No. 2518 Reese St.; W. E. Rightley, three-st'y dwell., 18' x 50', Seymour St., Germantown; W. E. Rightley, 3 two-st'y dwells., 14' x 28', Seymour St., Germantown; H. Erdman, two-st'y stable, 18' x 25', No. 1770 Frankford Road; J. McDonald, three-st'y stable, 20' x 45', No. 2508 Dott St.; J. McCartney, two-st'y factory, 40' x 70', Alleghany Ave.; J. Pierce, 5 two-st'y dwells., 16' x 27', Cooper St.; S. R. Stewart, three-st'y shop, 24' x 45', Second St.; T. F. Shuster & Son, two-st'y back building, 12' x 13, No. 802 Buttonwood St.; F. G. Ballentine, one-st'y church, 60' x 70', cor. Orthodox and Mulberry Sts., Frankfort; J. Wilson & Son, three-st'y store and dwell., 16' x 46', No. 826 North Tenth; R. B. Beith, two-st'y dwell., 12' 6" x 28', Adaline St.; Mitchell & McHugh, 9 three-st'y stores and dwells., 18' x 59', Lancaster Ave.; W. Hewson, one-st'y shop, 12' 9" x 20', Pearl St.; C. Fogg, three-st'y shop, 18' 8" x 40', No. 930 Hamilton St.; E. Farrell, two-st'y dwell., 16' x 28', Fleason St., Roxborough; C. J. Barlow, three-st'y dwell., 16' x 60', Sixth St.; J. McCullough, two-st'y front building, 15' x 15', No. 1732 Titan St.; G. C. Jackson, two-st'y dwelling, 16' x 24', No. 1246 Tenth St.; G. C. Jackson, three-st'y back building, 11' x 33', No. 1247 Austin St.; T. J. & J. F. Riley, 4 two-st'y dwells., 14' x 28', Field St.; P. Murphy, two-st'y stable, 18' x 33', cor. Seventh and Pierce Sts.; P. Murphy, two-st'y store and dwell., 16' x 40', cor. Seventh and Pine Sts.; J. Keenan, two-st'y stable, 20' x 20', No. 1429 South St.; J. Mckendrick, two-st'y back building, 14' x 18', No. 914 North Eleventh St.; W. Johnson, three-st'y dwell., 22' x 60', No. 168 Gay St., Manayunk.

**Providence, R.I.**

**HOTEL.**—The work of finishing the new Hotel Narragansett is being pushed as fast as possible. It will be finished and furnished throughout in the best manner, and it is expected the whole of it will be put into immediate use. The contract for the gas-fixtures has just been awarded to Cornelius & Co., of Philadelphia (the same firm that put the fixtures into the new courthouse), who will furnish special patterns designed for the hotel. The matter of furnishing will be early considered.

**COURT-HOUSE.**—The new county court-house for Providence County is rapidly approaching completion, and will probably be ready for occupancy by the first of the new year. It was built by the State, the counties in Rhode Island having no private purse; and is the best and most elaborate State building within our borders. With the exception of the new State Prison, which is not yet completed, the State has no buildings that really deserve the name of a public building.

**HALL.**—The new hall on Union St. is progressing fairly, though not as well as had been hoped.

**St. Louis.**

**BUILDING PERMITS.**—Twenty-five permits have been issued for the week ending Nov. 2. Fourteen of these are for frame buildings of slight value. The rest are for brick buildings with brick or stone fronts. Those worth \$2,500 and over are as follows:—

Owners.	Use.	Stories.	Rooms.	Cost.
H. C. Brockmeyer	Dwelling	2	90	\$6,000
R. S. Lanckmeyer	Store & dw.	2	11	3,500
Jacob Kempf	Store	2	30	2,000
Carmelite Nuns	Convent	3	30	8,000
F. A. Drew	Dwelling	2	8	2,300

**CITY ARCHITECT.**—The nomination of Mr. J. W. Allen as city architect has been confirmed by the city council; and he has been instructed to prepare plans at once for two new engine-houses for the fire department.

**POLICE STATION HOUSE.**—Messrs. Captain & Switzer, architects, have made plans for a new station-house for the metropolitan police.

**General Notes.**

**AUBURN, ME.**—The Auburn Foundry Company is preparing to build a leather board factory near its foundry.

**CHESTER, ILL.**—Baltes & Nelson of Fort Wayne, Ind., have been awarded the contract for building the new prison. The contract price is \$85,000.

**DORCHESTER, MASS.**—The vestry of the new Methodist Episcopal church on Parkman St. is nearly completed; and will be ready for occupancy about Dec 1.

**MILTON, MASS.**—Dr. Cullis of the Consumptives' Home, at Grove Hall, is making arrangements for the purchase of land at Milton, on which to erect a building for a branch of the Home.

**OTTUMWA, IO.**—Messrs. Fiedler and Dietrich are now preparing plans for a pumping-station for the Ottumwa Water Works Co., cost \$6,000.

**OWEGO, N.Y.**—The people of Owego, Tioga Co., N.Y., are to vote at a special election in November, on the question of appropriating \$12,000 for the purpose of building a high school-house.

**PITTSBURGH, PENN.**—George Cochran of Allegheny, and R. W. Gibson of Lewiston, Penn., have obtained the contract for building the Pennsylvania R.R. car-shops, on Twenty-eighth St.

**Publishers' Department.**

THE AMERICAN ARCHITECT AND BUILDING NEWS is published every Saturday, at \$7.50 per year, or \$3.00 if paid in advance. Single copies, 15 cents.

Advertisements, on page 1 and pages next to editorial matter, 12 1/2 cents per line (agate), or \$1.75 per inch (14 lines) for one insertion. One inch, one month, \$7.00; three months, \$20.00; six months, \$40.00; nine months, \$58.00; one year, \$70. Other pages, 10 cents per line, or \$1.40 per inch, one insertion. One inch, one month, \$5.00; three months, \$16.00; six months, \$30.00; nine months, \$45.00; one year, \$55.00.

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**BUILDING SPECIALTIES.**

—The attention of architects is directed to the illustrated advertisement of Messrs. John Farquhar's Sons, on page iv. An examination of their patent roofing by those who wish to secure a substantial and durable covering for an edifice might lead to important conclusions. The firm is one of the oldest in New England, and has long been noted for its enterprise and honorable dealing with the building professions.

—The card of S. F. Gold, in reference to steam-heating, to be found on page ii., will doubtless interest many professional readers.

—Saylor's Portland Cement is now for sale by the leading dealers of the country.

—There is but little change to note in the prices of building materials in any part of the country, further than a little advance in some lines in New York. Prices seem to have settled down to a basis from which it is hard to start them.

—The patent metallic sky-light of Bickelhaupt Bros. is manufactured without the use of putty, and is claimed to be very durable, without leakage. The manufactory is at No. 459 Ninth Avenue, New York.

—An illustrated circular of Time Locks has been issued by the Yale Lock Manufacturing Co., who thus announce their consolidation with Messrs. Sargent & Greenleaf, of Rochester, N.Y. "The controversy which has existed for the past two and a half years in the United-States Patent Office and Courts, between Mr. James Sargent and the Yale Lock Manufacturing Co., concerning the right of Mr. Sargent to a patent covering broadly the right to use a time lock in combination with bolt work and another lock, has resulted in the confirmation of Mr. Sargent's right to the patent in question by every tribunal in the Patent Office, and it was accordingly issued to him Sept. 25, 1877. The Yale Lock Manufacturing Co., although unsuccessful in obtaining this patent, had already acquired a number of others relating to time locks, some fourteen in all; and, since the issue of Mr. Sargent's patent (the Yale Lock Manufacturing Co. being convinced of the inutilty of further contesting the patent in question) negotiations having taken place which have resulted in an agreement between Sargent & Greenleaf and the Yale Manufacturing Co., whereby all their past differences respecting time locks have been amicably and finally adjusted, and a consolidation of their respective interests relating to time locks effected." These two companies thus control all the important time locks in the country. Most of the establishments which use time locks have either the "Yale" or the "Sargent."

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**PROPOSALS.**

**IRON WORK.**

Proposals for Slater's, Galvanized Iron Work, etc., for the roofs of the United States Court House and Post Office, at Grand Rapids, Mich.

OFFICE OF THE SUPERVISING ARCHITECT,  
TREASURY DEPARTMENT,  
WASHINGTON, D.C., Nov. 3, 1877.

Sealed Proposals will be received at this office until 12 M., on the 21st day of November, 1877, for all the Slater's Work and Galvanized Iron Work, including Wrought Iron Finials and Crest Railing, required for the roof of the United States Court House and Post Office, at Grand Rapids, Mich., in accordance with drawings and specification, form of proposal, and any additional information, may be had on application at this office, or the office of the Superintendent.

JAS. G. HILL, Supervising Architect.

**REMOVING BROKEN ROCK.**

UNITED STATES ENGINEER OFFICE,  
Room 31, Army Building, cor. Houston and Greene Sts.,  
NEW YORK, Oct. 30, 1877.

Sealed Proposals, in duplicate, will be received until noon of Wednesday, Nov. 14, 1877, for removing about 25,000 tons of broken rock from Hallett's Point Reef, Astoria, N.Y.

Proposals will only be received from parties having machines capable of resisting collisions.  
For forms of bids and other information apply to this office.

JOHN NEWTON,  
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**WATER WORKS.**

JOHNSTOWN, N. Y.

Sealed proposals for constructing the entire Water Works for the village of Johnstown, N.Y., will be received by the undersigned, up to 12 o'clock, noon, of the twentieth day of November, 1877. All bids received on or before that time will be publicly opened and read in the Commissioner's office. The work will consist of the construction of reservoirs, dams, about ten miles of cast iron pipe, fire hydrants, &c. Plans and specifications can be seen at the office of the Commissioners on and after the twelfth day of November. All bids must be made upon the forms furnished by the Commissioners for that purpose, and be accompanied by a deposit of five hundred dollars, in cash, draft, or certified check, as a guaranty that if the work is awarded the contract will be signed. The bids will be in an aggregate sum for the whole work complete, and in case of award a satisfactory bond in the amount of 35 per cent of the contract price will be required. The Commissioner reserves the right to reject any or all bids should they consider it for their interest to do so. Signed, J. L. NORTHROP, President. J. F. MASON, J. P. MILLER, L. STEPHENSON, J. HESS, Water Commissioner; P. H. BAERMANN, Engineer.

**GLASS.**

Proposals for Glass required for the U. S. Custom House at Charleston, S. C.

OFFICE OF THE SUPERVISING ARCHITECT,  
TREASURY DEPARTMENT,  
WASHINGTON, D. C., Oct. 24, 1877.

Sealed proposals will be received at this office until 12 M., on the thirteenth day of November, 1877, for furnishing and delivering at the U. S. Custom House, Charleston, S. C., all the plate glass required for the windows and transoms of that building, cut to proper sizes, ready for putting in place, in accordance with specification and schedule.

Copies of specification and schedule, and any additional information, may be had on application at this office, or the office of the Superintendent.

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Sealed proposals will be received by the Trustees of the New York and Brooklyn Bridge at their office until Nov. 12, 1877, for about fifteen hundred wrought-iron cable bands; weight about forty-five tons. Drawings and specifications can be had at the office.

Also, for twelve hundred and thirty-two cast-iron rope-sockets, weight about twenty-five tons. Drawings and specifications can be had at the office.  
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All proposals must be addressed to the Trustees of the New York and Brooklyn Bridge, No. 21 Water St., Brooklyn, and be indorsed with the name of the work proposed for.

W. A. ROEBLING, Chief Engineer.

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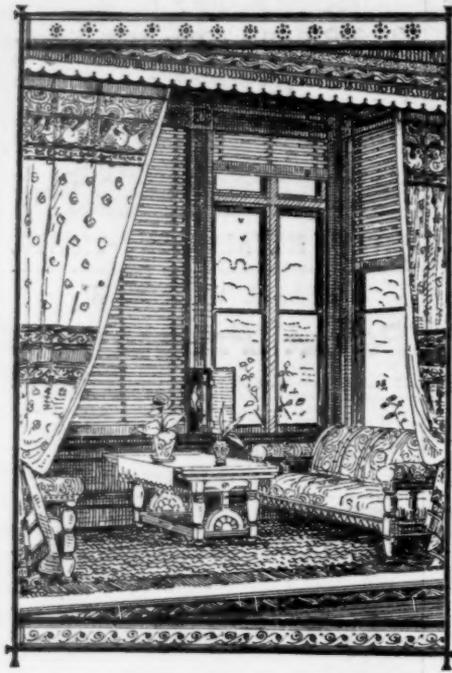
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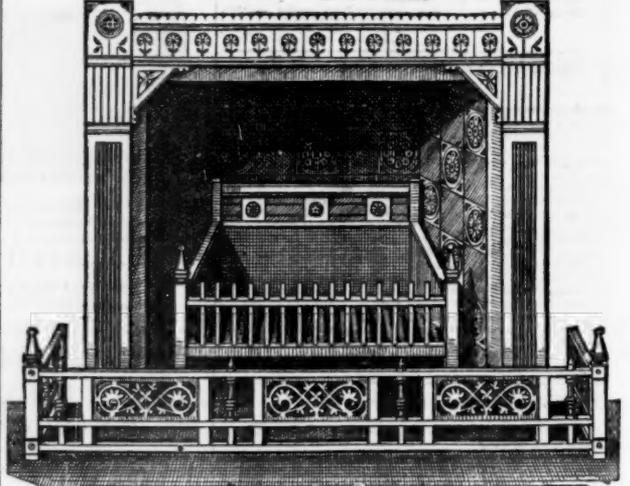
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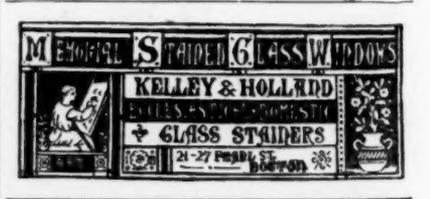
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Table listing prices for FIRE BRICK. Includes items like 'Red Welsh', 'Scotch', and 'American'.

Table listing prices for DOORS AND BLINDS. Includes 'DOORS, RAISED PANELS, TWO SIDES' and 'DOORS, MOULDED'.

Table listing prices for OUTSIDE BLINDS. Includes 'Per lineal foot, up to 2.10 wide' and 'Per lineal foot, up to 3.1 wide'.

Table listing prices for INSIDE BLINDS. Includes 'Per lineal foot, 4 folds, Pine' and 'Per lineal foot, 4 folds, Ash or Chestnut'.

Table listing prices for WINDOW FRAMES. Includes 'Up to 3.4 x 7.2, put together'.

Table listing prices for HAIR - Duty free. Includes 'Cattle' and 'Goats'.

Table listing prices for LIME. Includes 'State, common, cargo rate' and 'State, finishing'.

Table listing prices for LUMBER. Includes 'Pine, very choice, and extra dry' and 'Pine, good'.

Table listing prices for PAINTS AND OILS. Includes 'White lead, English' and 'Zinc white, American, dry'.

Table listing prices for SLATE. Includes 'Purple roofing slate' and 'Green slate'.

Table listing prices for SOLDERS. Includes 'No. 1' and 'No. 2'.

Table listing prices for TIN PLATES - Duty, 1-10c. Includes 'I. C. charcoal, 10 x 14'.

Table listing prices for ZINC and LEAD. Includes 'I. C. coke, 10 x 14' and 'ZINC - Duty, sheet'.

Table listing prices for LEAD. Includes 'Bar' and 'Sheet'.

BOSTON. PRICES TO CONTRACTORS AND BUILDERS.

Table listing prices for FIRE BRICK. Includes 'Waldo Bros. Extra' and 'Waldo Bros. No. 1'.

Table listing prices for BUILDING BRICKS. Includes 'Eastern' and 'Bay State'.

Table listing prices for LUMBER. Includes 'Michigan pine - No. 1 and 2' and 'Black Walnut - Nos. 1 and 2'.

Table listing prices for PAINTS AND OILS. Includes 'Whiting' and 'Paris white, English'.

Table listing prices for CEMENT. Includes 'Rosendale' and 'Roman'.

Table listing prices for BUILDERS' HARDWARE. Includes '10d' and '1/2d'.

Table listing prices for SASH LINE. Includes 'Sash Weights' and 'Sash Line'.

Table listing prices for DOOR BUTTS. Includes 'Japanese Acorn' and 'Plain Bronzed Iron'.

Table listing prices for IRON. Includes 'Wrought-iron I Beams' and 'Wrought-iron II Beams'.

CHICAGO. PRICES TO CONTRACTORS AND BUILDERS.

Table listing prices for BRICK, LIME, AND CEMENT. Includes 'Lime, in bulk' and 'Chicago building brick'.

Table listing prices for LUMBER (MICHIGAN PINE). Includes 'First and second clear, 1 to 2-in' and 'Third clear, 1-in'.

Table listing prices for HARDWOOD LUMBER. Includes 'Whitewood, clear' and 'Whitewood box boards'.

Table listing prices for METALS AND TINNERS' STOCK. Includes 'Tin plate, I C 10 x 14, charcoal'.

Table listing prices for SOLDER. Includes 'No. 1, 18c; extra, 20c'.

Table listing prices for NAILS. Includes 'Strictly pure, 8c.75; fancy brands, \$7.00 to \$9.00'.

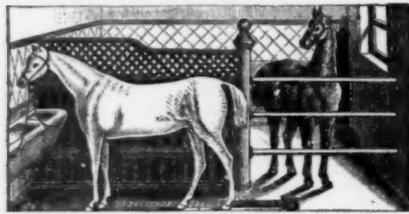
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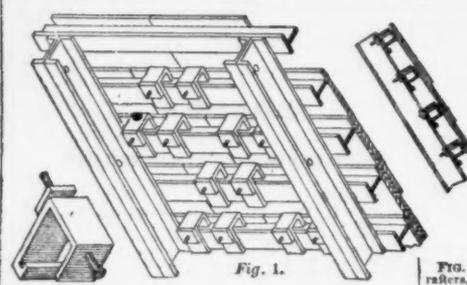


FIG. 1. The above invention relates to the manner of securing slates to iron roofs. It consists of a bent plate of suitable metal, which hooks around or under the rafters on which the slate rests, and is provided with a bolt passing through it and the bent plate, one end of the bolt having a head, which is countersunk in the upper side of the slate, the other end of the bolt being secured by a nut, or otherwise.

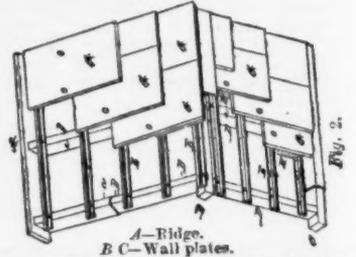


FIG. 2. This invention consists of a roof composed of wooden rafters, (R) covered with sheet metal (a) or other fire-proof material, and iron purlins (c) or beams, with the slates (G) or other covering secured thereto by clips, (FIG. 1.) or in any other suitable manner, in connection with a fire-proof cement, (H) or composition rendered or laid within the space enclosed by the rafters and purlins immediately under and in contact with the slates or a covering of the roof, by which construction the roof boards are dispersed with, and a roof is produced thoroughly fire-proof at every point, avoiding condensation, contraction and expansion of roofs formed wholly of iron.

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OBELISKS.—Only forty-two obelisks are known to exist. At Karnak four are standing and two prostrate. Nine more are prostrate at Saan. One stands at Philae. Twelve are at Rome, the largest one of them being at the Church of St. John Lateran. Florence contains two, and Paris, Arles, Constantinople, one each. In this country there are four,—two at the British Museum, one at Alwick Castle, and the fourth at Kingston Lacy, Dorsetshire, brought over by Mr. William Bankes, a friend of Lord Byron. The obelisk now on its way to England was the companion of the one still standing at Alexandria, to which it had been transported from On. Though named after Cleopatra, its erection at the Temple of Cæsar did not take place until the eighth year of the reign of Augustus, and several years after the death of the queen. Abdul Lateef says that the obelisk stood in his time,—twelfth century.—London Examiner.

NEW POST-OFFICE BUILDINGS IN LONDON.—The Times states that the Government contemplates purchasing from the city about eight acres upon the Thames Embankment, for the purpose of erecting thereon new post-office buildings.

MEDALS AT PARIS.—At the Paris Exhibition, there will be distributed 1,000 gold, 4,000 silver, and 8,000 bronze medals. It is also intended to award 8,000 honorable mentions, besides 100 grand prizes and exceptional silver prizes.

SCHNAASE.—In the colonnade of the Neuen Museum of Berlin, opposite the National Gallery, a bust of Dr. Carl Schnaase has been unveiled with befitting ceremonies.

Schnaase, whose numerous titles are forgotten when his works are considered, is best known to the general reader by his *Geschichte der bildenden Künste*, much the best of the many German histories of art. His death was more than a national loss. The *Geschichte*, which, owing to recent researches, was being practically rewritten, will, it is to be feared, remain uncompleted.

A RARE LIMESTONE.—A precious limestone has been found at Tehachepa, Kern County, Cal., which is said to be identical with the *giallo antico* (ancient yellow) marble of Italy. The latter is highly prized by antiquarians, as the location of the quarry from which it was procured has been unknown for several centuries. The Californian stone is described as white, with amber-colored veins.

RECOVERY OF ORIGINAL PAINTINGS BY DÜRER.—The overhauling of an old church in Leipsic, in the last century, occasioned the taking down of a number of original paintings of great value, by Albrecht Dürer. They were placed with a quantity of rubbish in a lumber-room in a church-tower, and forgotten. After nearly a hundred years of neglect and oblivion, they have just been accidentally found, and have been transferred to the Leipsic Museum.

BUILDING INTELLIGENCE.

[Reported for the American Architect and Building News.]

A RECORD.

Showing how buildings recently burned are to be replaced.

BROOKLYN, N.Y.—Over one hundred workmen are engaged in the re-erection of the oil-mill lately burned in Front St. The new building will be fire-proof.

MIRREVILLE, N.Y.—The building which was occupied by the Port Henry Iron Ore Co., as a hoisting-house, boiler-house, and machine-shop, and which was destroyed by fire Oct. 8, is being replaced by two parallel buildings each 200' long by 30' in width, the one to be occupied as a winding-house, and the other for boiler-room, machine-shop, and carpenter-shop. The engine-room is to be in a building 30' square connecting the two main buildings. There are also two wings each 30' square. The buildings are of one story, of brick, with galvanized iron roofs, and lighted entirely from above. The floors are laid in cement, and the whole is to be strictly fire-proof. The company employs its own masons and other mechanics in the erection, the iron-work being furnished by the Delamater Iron Works. The drawings were prepared by Mr. George H. Reynolds of New York, the consulting engineer of the Company.

PITTSBURGH, PENN.—The new buildings of the Pittsburgh Steel Casting Co. (which replace those destroyed by fire last June) are now about completed. The main building, in which the melting, casting, fitting, etc., are done, is 256 feet long by 122 feet wide, in one span. This building, in addition to being fire-proof, is of the most substantial character, the foundations of heavy stone, the brick walls heavy, and nothing but hard brick used, and all the mortar seams filled solid with grouting. On these walls is erected the iron roof frame, 122 feet span. The roof and gables are covered with corrugated iron. The buildings were designed and erected by the firm of Wm. B. Scaife & Sons, of this city, who are the pioneers in this line west of the Allegheny Mountains, having made a specialty of it for over 20 years.

TURNER'S FALLS, MASS.—It has been decided to rebuild the Keith paper-mill as soon as possible. Work will be begun as soon as the insurance is adjusted.

SUMMARY OF THE WEEK.

Reports from the Principal Cities and Towns of the Country.

Bangor, Me.

THE CUSTOM-HOUSE.—Repairs and alterations on the custom-house, begun a year ago, were finished early in the summer. High water in the Kennebec stream stopped the work on the west retaining wall a week ago, all but about fifty feet being finished, and that is not in a very bad condition. The situation of the building in the midst of the stream, between two bridges three or four hundred feet apart, and with two of its walls resting for fifty feet directly on the retaining walls,—which are any thing but well built,—is, to say the least, peculiar.

Boston.

BRICK BUILDINGS.—The following permits have been issued:—

Webster & Dixon, dwelling, 320 Beacon street, 26' x 65'; Lynch Bros., 2 dwellings, East Broadway, 24' x 60'; John F. Richardson, 2 dwellings, Fairfield street, 22' 6" x 43'; J. & H. M. Harmon, 2 dwellings, Newbury street, 24' x 48'; Ivory Bean, ice-house, 57' x 140'.

WOODEN BUILDINGS.—Andrew Anderson, dwelling, 23' x 32'; W. F. Savage, dwelling, 17' 6" x 52'; A. P. Clifford, 2 dwellings, 36' x 40'; Geo. E. Parker, 2 dwellings, 27' x 35'; J. G. Keleso, plumber's shop, 9' x 32'.

FURNITURE FOR THE NEW POST OFFICE.—The Secretary of the Treasury has awarded the bid for furnishing new furniture for the Post Office building to Manson & Peterson.

Brooklyn, N.Y.

BUILDING PERMITS issued during the week ending Nov. 8.

Calver St., 1 three-story frame tenement, 22' x 52'; owner, N. Hotz; architect, F. Weber; builders, G. J. Roberts and J. Schnoorer. Dean St. and Bergen St., 2 three-story brown stone dwellings, 20' x 50'; owner, G. W. Brown, 46 Portland Ave.; architect, T. F. Thomas; builder, L. Brown. Elm St., 1 one-story frame store and dwelling, 17' x 40'; owner, John Walsh; builder, J. Stapleton. Halsey St., 3 three-story frame dwellings, 16' 8" x 40'; owner, P.

Shanley. Hart St., No. 159, 1 three-story br. dwell., 20' x 38'; owner, R. S. Baker; builders, M. C. Baker and E. N. Wood. Hart St., 1 two-story frame dwell., 14' x 34'; owner, A. W. Dickie. Herkimer St., 2 three-story brown stone dwellings, 18' 9" x 42'; owner, J. Fisher; architect, S. W. Osmun; builders, John Kearney and A. A. Reeve. Lynch St., 3 two-story frame dwellings, 16' 8" x 33'; owner, J. H. Garbutt; architects and builders, Pitcher & Ellis. Nevins St., No. 295, 1 two-story frame store and dwelling, 20' x 20'; owner, M. Johnson; architect, etc., J. Carr. Prospect St., 2 four-story br. stores and flats, 25' x 26' 6" and 48' 6"; owner, J. Berenberg; builders, D. Leyton and E. Snediker. Pulaski St., 1 two-story br. stable, 17' x 20'; owner and builder, D. S. Bealy; architect, A. W. Dickie. Quincy St., 2 two-story brown stone dwellings, 20' x 42'; owner, etc., Isaac B. Jacobs. Eleventh St., 1 three-story frame dwell., 18' 6" x 38'; owner, L. Jones. De Kalb Ave., 2 three-story frame dwellings, 18' x 38'; owner, P. Mulloy; architects, Paritt Bros. Evergreen Ave., 2 three-story frame dwellings, 16' 8" x 32'; owner, J. H. Garbutt; architects, etc., Pitcher & Ellis. Greene Ave., 2 four-story brown stone dwellings, 20' x 40' and 42'; owner, L. Burrows. Hudson Ave., No. 150, 1 two-story br. stable, 25' x 18'; owner, J. Knell; architect and carpenter, J. Hood; mason, J. Allen.

COUNTY JAIL.—Mr. Mundell, the architect appointed to prepare plans for the new Kings County Jail, has completed them.

Chicago.

BUILDING PERMITS.—Following is a list of new buildings for which permits have been issued, for two weeks, ending Nov. 10, 1877.

G. Steel, 2 three-story and bas't br. stone-front dwellings, each 26' x 60', Michigan Ave.; cost \$22,000. G. D. Elderkin, 2 br. ice-houses, 40' x 40', 165 Michigan St.; cost \$4,000. W. J. Quann, three-story and bas't br. stone-front dwell., 25' x 40', 380 Erie St.; cost \$7,500. L. J. Higgle, 3 two-story and bas't br. stone-front dwell., each 21' x 66', Adams St.; cost \$16,500. G. M. High, two-story and bas't br. bolt factory, and one-story machine-shop, 50' x 100', Michigan and Franklin Sts.; cost \$12,000. M. G. Rambo, two-story and bas't br. dwell., 21' x 56', Lake Ave.; cost \$5,000. H. B. Chandler, 6 two-story and bas't br. dwellings, each 19' x 42', 370 to 380 West Jackson St.; cost \$21,000. Benjamin Sewell, 5 three-story and bas't br. stone-front dwellings, each 20' x 48', Clark and Oak Sts.; cost \$30,000. Benjamin Sewell, 2 two-story bas't and attic br. dwellings, each 23' x 52', Oak St.; cost \$9,000. W. Speight, three-story and bas't br. dwell., 39' x 30', Huron St.; cost \$4,500. H. C. Durand, three-story and bas't br. store and dwell., 30' x 100', Green and Washington Sts.; cost \$12,500. S. Johnston, two-story and bas't br. store and dwell., 25' x 60', Franklin and Oak Sts.; cost \$4,000. Total, 25 buildings. Total cost, \$148,000. Buildings costing less than \$2,000 each, 14; cost of same, \$22,500.

New York.

BUILDINGS PROJECTED FOR THE WEEK ENDING NOV. 13.—Forty in number, consisting of dwellings, tenements, factories, etc. Total value, \$286,700.

Table with 3 columns: Owners, Architects, Builders. Lists various building projects and their responsible parties.

Dwellings, twenty-three; tenements, nine; factories, two; miscellaneous, five.

WORKING-WOMEN'S HOTEL.—The Women's Hotel on Fourth Avenue and Thirty-second and Thirty-third Streets, founded by the late Alexander T. Stewart, is almost completed, and will soon be opened by a grand reception. Every thing is finished with the exception of the painting in fifty of the rooms, and part of the last coating on the exterior.

Philadelphia.

BUILDING PERMITS issued during the week ending Nov. 10, 1877.

J. M. Price, 2 three-story dwellings, 17' x 45', cor. Seymour and Green Sts., Germantown; J. Linn, three-story dwell., 20' x 40', cor. Ann and Edgemont Sts.; J. Kline, two-story back building, 14' x 20', No. 306 Ella St.; E. Morris, 6 two-story dwellings, 12' 6" x 50', Madison Ave., Frankford; J. Keen, 5 two-story dwellings, 14' x 28', Spring

St., Germantown; E. S. Richards, two-story stable, 14' x 33', No. 4438 Main St., Germantown. Tourism Bros., two-story railway station, 19' x 41', cor. Tulpehocken and Chew Sts., Germantown; H. C. Nittenger, one-story shop, 12' x 34', Fair Hill St.; H. C. Swerer, two-story back building, 12' x 25', No. 1002 Girard Ave.; A. H. Taylor, three-story store and dwell., 19' x 61', Main St., Frankford; A. Trap, two-story dwell., 10' x 23', Cooper St.; B. Jones, 4 two-story dwellings, 13' x 28', Garret, s. of Somerset St.; F. Eastburn, 2 three-story dwellings, 16' x 48', Penn St., Germantown; F. Eastburn, 2 three-story dwellings, 20' x 44', Penn St., Germantown; F. Tweed, two-story store and dwell., 22' x 42', cor. Nineteenth and Girard Sts.; J. C. Moore, 5 three-story dwell., 17' x 60', Preston St.; W. H. Savidge, two-story stable, 13' x 18', cor. Preston and Sycamore Sts.; W. H. Savidge, three-story front building, 18' x 33', cor. Preston and Sycamore Sts.; Yerkes & Co., two-story addition to building, 18' x 21', No. 627 Market St.; J. Storam, three-story dwell., 16' x 50', Elm. w. of Thirty-fifth St.; W. Wright, stable 15' x 15', cor. Thirty-ninth and Sycamore Sts.; J. A. Decker, three-story dwell., 33' x 37', Fifty-sixth and Overbrook Sts.; Erwin & Armour, 4 three-story dwellings, 16' x 28', cor. Eighth St. and Snyder Ave.; C. J. Wallace, three-story dwell., 21' x 64', Green Lane; R. J. Morrison, 2 three-story stores and dwellings, 15' x 44', Christian St.; J. McClellan, 5 two-story dwellings, 14' x 28', Ashburton St.; J. C. Atkinson, two-story back building, 14' x 14', No. 1224, s Eighth St.; J. Devine, 8 two-story dwellings, 16' x 43', 4 on Snyder Ave., 4 on Welsner St.; A. Cuddy, store, 15' x 20', cor. Chestnut and Walnut Sts., Maman-yunk; C. Kurtz, two-story back building, 12' x 13', No. 630 Catharine St.

St. Louis.

BUILDING PERMITS.—Twenty-eight permits were issued for the week ending Nov. 6. Twelve of these were for frame buildings of slight value. The rest were for brick buildings. Those worth \$2,500 and over were as follows:—

Table with 5 columns: Owners, Use, Stories, Rooms, Cost. Lists building permits with their respective values.

PRESENT PROSPECTS.—Business in architects' offices continues dull, but there is considerable expectation of a material improvement next season. The fall trade among merchants is reported as good; the tone of the interior towns and of the farming community is hopeful; and several important enterprises which have for some years been waiting for better times are now being revived with spirit and with apparently good prospects of success.

General Notes.

CAMBRIDGE, ILL.—The following buildings have been built during the year: First Congregational Church, br.; cost \$12,000; J. W. Hoeford, Chicago, architect. Episcopal church, frame; cost \$7,000. Residence for Ira D. Marston, frame; cost \$4,000; G. P. Webster, architect. Br. store of W. Schmidt; cost \$5,200; G. P. Webster, architect. Plans will be adopted January next for a court-house, cost not to exceed \$100,000.

DAVENPORT, IO.—The corner-stone of the new Academy of Science was laid Oct. 6.

DEERING, ME.—A high-school house is now in process of erection. The building is of wood, 42' x 60', two stories high, with a seating capacity of two hundred. It will cost \$6,000. A primary-school house is also being erected for school district No. 4, East Deering, Me. It is of brick, 37' x 37', two stories high, and has a seating capacity of one hundred. It will cost \$3,000. Chas. H. Kimball, Portland, Me., is the architect of both these buildings.

DEFIANCE, O.—Mr. Erhart and the Rev. Mr. Gorrell are to be the joint architects of the new P. E. church.

EVANSVILLE, IND.—Messrs Vrydagh and Clarke have under way a block 37' x 110' for Vickery Bros., cost \$30,000; a house for Hon. F. M. Thayer, cost \$10,000; a house for C. H. Kellogg, cost \$15,000; a building for Messrs. Parsons & Scoville, cost \$16,000; and a house for the city, cost \$5,000.

HAMPDEN, ME.—Mr. G. W. Orff of Bangor has made the drawings for a house for the Smith Bros.; cost \$600.

KINGSTON, N.Y.—W. W. Goodrich has just finished plans for a new armory for the Twentieth Regiment.

MT. VERNON, IND.—The contracts in the new jail and sheriff's residence will be let Dec. 20, Vrydagh and Clarke, architects, Evansville, Ind.

NEWPORT, R.I.—A cottage to cost \$8,500 is building for Professor Wolcott Gibbs of Harvard College.

INDEX OF CURRENT WORK.

Giving information concerning important buildings now unfinished.

Albany, N.Y.

BREWERY—Quinn & Nolan, owners. W. Dickson, architect. Cost \$200,000.

POST-OFFICE—Jas. G. Hill, Supervising architect, of the Treasury Department.

Boston, Mass.

CHURCH—Cost \$75,000. Mr. John Welch, architect, Brooklyn, N.Y.

HOTEL—Hotel Comfort, \$90,000. L. Weiss, architect, W. Sheafe, owner.

HOTEL—Creston House. C. Fehmer, architect.

POST-OFFICE—James G. Hill, Supervising Architect, Treasury Department.

SCHOOLS—High and Latin School. G. A. Clough, architect.

Brooklyn, N.Y.

CONCERT GARDEN—F. H. Coles, architect. Cost \$50,000.

HOSPITAL—Church Charly Foundation of the Protestant Episcopal Diocese of Long Island. N. L. Derby, architect, New York.

JAIL—Mr. Mansell.

Chicago, Ill.

APARTMENT HOUSE—D Wells, owner. C. T. Thomas, architect. \$24,000.

CHURCH—Jefferson-park Presbyterian. J. C. Cochran, architect.

STORE—D. W. Kendall, architect. \$32,000.

Cincinnati, O.

AQUARIUM—Jos. W. McLaughlin, architect. Store—Alms & Doepke, owners. Hannaford and Procter, architects.

MUSIC HALL—Hannaford and Procter, architects.

STORES—G. P. Humphries, arch't. \$10,000.

Cleveland, O.

CONVENT—Ursulina Academy. L. A. Heard, architect. \$139,000.

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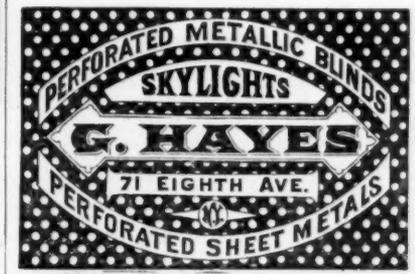
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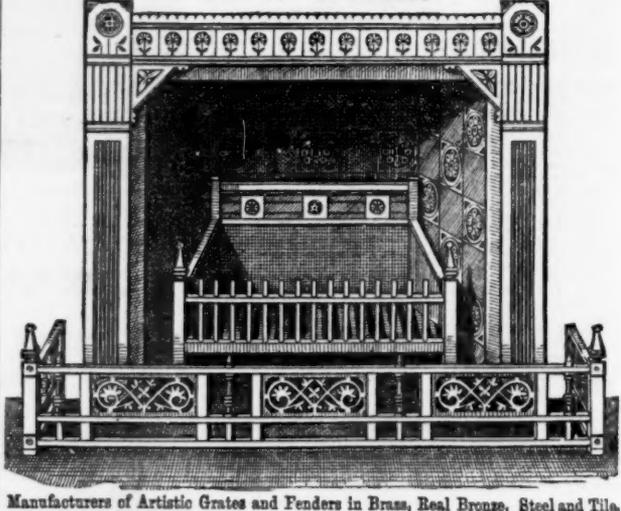
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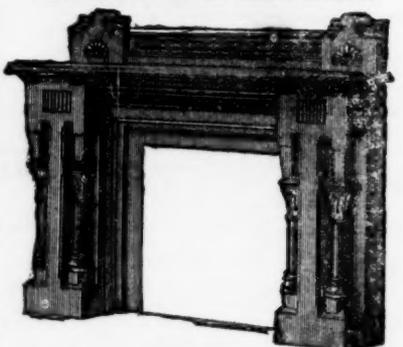
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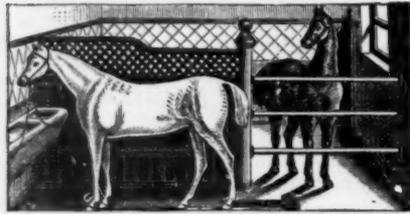
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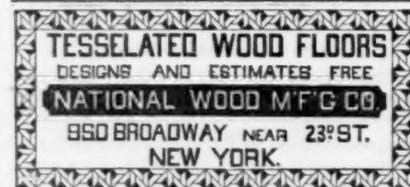


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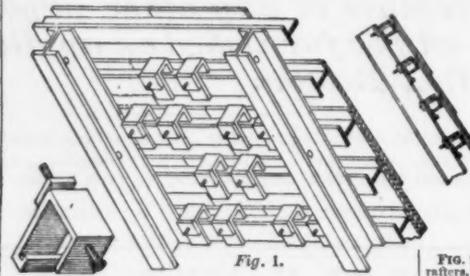
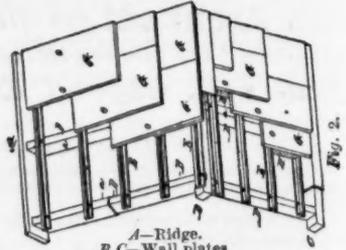


Fig. 1.

**FIG. 1.** The above invention relates to the manner of securing slates to iron roofs. It consists of a bent plate of suitable metal, which hooks around or under the purlins on which the slate rests, and is provided with a bolt passing through it and the bent plate, one end of the bolt having a head, which is countersunk in the upper side of the slate, the other end of the bolt being secured by a nut, or otherwise.



A—Ridge.  
B C—Wall plates.

**FIG. 2.** This invention consists of a roof composed of wooden rafters, (D) covered with sheet metal (a) or other fire-proof material, and iron purlins (c) or beams, with the slates (G) or other covering secured thereto by clasps, (FIG. 1.) or in any other suitable manner, in connection with a fire-proof cement, (H) or composition rendered or laid within the space enclosed by the rafters and purlins immediately under and in contact with the slates or a covering of the roof, by which construction the roof boards are dispersed with, and a roof is produced thoroughly fire-proof at every point, avoiding condensation, contraction and expansion of roofs formed wholly of iron.

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**BUILDING INTELLIGENCE.**

[Reported for the American Architect and Building News.]

**SUMMARY OF THE WEEK.**

Reports from the Principal Cities and Towns of the Country.

**Bangor, Me.**

**CURRENT WORK.**—C. B. Morse, carpenter, is building two houses and altering another on Kenduskeag Avenue, at a cost of \$2,500. Field and Robertson are building for J. Cassidy, a two-story wooden house on Main street, measuring 27' x 31' exclusive of the L; also a two-story stable 24' x 32'. Total cost about \$9,000. C. D. Wier is building a two-story house on Court street, for B. H. Boardman. Size, 25' x 32' with L 18' x 30'. Whole cost about \$4,000. Wm. B. Chase is building a two-story dwelling on Court street, for C. H. Wood. Size, 32' x 41', with L 18' x 27'. A. Leighton does the plumbing for about \$375. Cost about \$7,000. H. H. Lane is building a two-story house on State street, for D. P. Wingate. Size, 30' x 32', with L 18' x 27'. Cost about \$6,000. Work has just begun upon a two-story double-house, 37' x 50' with L 27' x 16'. Lowell & Tibbets, carpenters. Cost, \$4,000. With the exception of the first, the above houses were designed by Mr. G. W. Orff, of this city.

**WORK OF THE YEAR.**—Our correspondent also sends us a list of the buildings that have been built during the past season. They are for the most part two-story frame buildings of moderate size and cost, running from \$1,200 to \$5,000. The only brick building recorded is a block of two three-story stores, for Bachelder and Mitchell, which cost about \$6,000. Here as elsewhere builders have been mostly busied in altering and repairing old buildings.

**Boston.**

In spite of the indications of an open winter, building operations are evidently going to be very dull this season. **BRICK BUILDINGS.**—Permits have been issued to L. Newcomb & Son, architects, for 1 four-story dwell., 24' x 50'; and to A. C. Small for 2 three-story dwell., 21' x 50' and 23' x 56'. **WOODEN BUILDINGS.**—Only ten permits have been issued, one-half of which were for stables. The others were all for two-story dwellings of small dimensions, which are to be built by A. B. Sherman, W. A. Blazo, J. C. Wadleigh, and Wilson Brothers.

**Brooklyn, N.Y.**

**BUILDING PERMITS.**—Since our last report permits have been issued as follows:—

Dean St., No. 859, one one-story frame dwell., 20' x 34'; owner, M. Ryan; builder, D. Bond. Fulton St., 3 three-story brown stone stores and dwells., 16' 8" x 50'; owner, G. Knaebel; architect, M. Thomas; builder, W. J. Rider. Hewes St., No. 255, one three-story brick dwell., 20' x 40'; owner, T. Haddock; builder, C. L. Johnson. Hopkins St., 2 three-story frame tenements, 25' x 45'; owner, J. H. Higginson. Morton St., one two-story brick drying house, 38' x 28'; owner, F. H. Cowperthwaite; architect, C. Vail; builder, H. Vail. Park Pl., one three-story brick dwell., 20' x 40'; owner, H. Hofferman; architect, Mr. Richter; builder, S. E. C. Russell. President St., one two-story brick stable, 20' x 30'; owner, A. Kyle; builder, C. M. White. Prospect Pl., 5 two-story brick dwells., 20' x 50'; owners, W. & H. Duryea; architect, F. B. Lulink; builder, F. B. Lincoln. Quincy St., 3 two-story brown stone dwells., 16' 8" x 45'; owners, Nelson & McCann; mason, McCauley. Rodney St., one three-story brown stone dwell., 22' x 50'; owner, J. E. Hoffmire; builder, G. J. Roberts. Ross St., No. 159, one two-story brick school, 22' x 52'; owner, L. U. Stone; architect, etc., C. L. Johnson. Rutledge St., one two-story brick stable, 20' x 40'; owner, J. Quimby; builder, H. Vail. Schermerhorn St., one four-story brown stone flat, 23' x 60'; owner, J. Katzenmaier; architect, etc., S. V. R. Alyea. Wallabout St., one three-story frame store and tenement, 25' x 50'; owner, C. Wagner; architect, J. J. Hoepfer; builder, — Mehling. Waterbury St., one three-story brick factory, 42' 8" x 120'; owners, L. Waterbury & Co.; architect, D. P. Cozine; builders, A. McQuade and E. B. Ferguson. Fortieth St., one two-story brick vitriol tank, 34' x 133'; owner, Phenix Chemical Works; builders, Burns & McCann and P. Mulvaney. Flushing Ave., one two-story frame stable, 18' x 20'; owner, etc., George Loeffler. Fulton Ave., 2 four-story brick French flats, 25' x 60'; owner, G. H. Knaebel; builder, W. J. Rider. Gates Ave., one one-story brick store, 34' x 25'; owner, W. Bair; builder, C. Gibson. Putnam Ave., 2 two-story frame dwells., 20' x 36' 6", and extension, 14' x 20'; owners, etc., J. Dezendorf and L. H. Kelso. Throop Ave., 9 two-story brown stone dwells., 16' 8" x 45'; owner, E. Hoogland; architect, J. D. Reynolds; builders, Mr. Uris and A. Reynolds. Willoughby Ave., one four-story brown stone dwell., 20' x 40'; owner and builder, S. Phillips; architect, A. W. Dickie.

**THE MUNICIPAL BUILDING.**—Charges were made several weeks ago, that the new Municipal Building of Brooklyn was being constructed shabbily and of poor materials. Several experts were appointed to examine the building. They reported Nov. 13, that there were no grave deviations from the contract. In certain parts of the building the walls were poorly built, and the experts advised that they should be rebuilt.

**Cincinnati.**

**BUILDING PERMITS.**—The following building permits have been issued by the Board of Public Works since our last report:—  
G. Gerke, two-story brick, cor. of Price Ave. and Summit Ave., cost \$3,000; R. Cooke, repair three-story brick, Nos. 43 and 45 East Third St., cost \$500; F. Otte, two-story brick, Lick Run pike, cost \$1,800; H. Wieman, three-story brick, Sherman Ave., cost \$2,800; W. Reynolds, addition to one-story frame, cost \$500; J. W. Cotteral & Son, 4 two-story bricks, Sherman Ave., cost \$8,000.

**Indianapolis.**

**IN THE OFFICES.**—R. P. E. agret has on hand a Gothic residence which is being built on N. Delaware St., for Mr. Emery. The walls are of pressed brick with stone finish, red mortar joints.

Messrs. Ketcham & Gibson have finished drawing for a Gothic residence for Mrs. McVey, cost \$8,000.

J. H. Stem has finished the drawings for a brick dwelling-house, to be built at Vincennes, Ind., for E. Watson, and a Gothic dwelling-house at Spencer, Ind., for Dr. Sinez.

M. E. Church.—The spire on the M. E. Church, which was destroyed by a wind storm last summer, is being replaced.

**BUILDING PERMITS.**—The building permits filed in the city clerk's office for the two weeks ending Nov. 17, aggregate 18, costing from \$2,000 to \$5,000.

**ART SCHOOL.**—The school of designs was opened for the admission of students on the 5th inst. About seventy students are enrolled. The school commences with flattering prospects.

**MEMORIAL HALL.**—It is now proposed to build in honor of the late Senator Morton, a memorial hall, and not merely to erect a statue in his honor.

**Milwaukee, Wis.**

**CURRENT WORK.**—E. T. Mix, architect, has let the contract for enclosing a dwelling house and barn for Charles Ray, on Prospect St., at \$19,500. The inside finish is deferred for a future contract. It is in style Elizabethan, and will be built of Wawatoosa stone (a blue limestone) rock-faced and laid random-range, with Ohio sandstone finish.

H. C. Koch & Co., architects, seem to be as fortunate in their designs for county court-houses as for public school buildings. They are preparing plans of a court house for Dodge County, Wis., the county commissioners having been wise enough to have selected their architect without the usual turmoil of a competition, after having made a tour of inspection, and selecting the plans of the court-houses at Racine, Wis., and Waukegan, Ill. (both by these architects), as coming near their requirements.

H. C. Koch & Co. have lately made plans and let the contracts for the following buildings:—

Asylum for Little Sisters of the Poor, \$16,500; 10th district public school building, \$8,000; three dwelling houses for Judge Mallory, \$15,800; frame cottage for J. Gray, \$2,500; frame cottage for H. Leuchner, \$2,300; frame store for W. Appel, \$2,850; brick-cased dwelling for B. Boorman, \$4,200.

**New York.**

**ARMORY.**—The amount subscribed to the Seventh Regiment new armory fund is now \$140,000.

**GRAMMAR SCHOOL No. 16.**—A wise change has been lately made in this school-house in the erection of two brick towers with fire-proof staircases which are to be used only by the scholars of the primary department. This department will now occupy the second, and not as heretofore the ground-floor of the building.

**THE NEW COURT HOUSE.**—Comptroller Kelly has approved the euresies on the proposal of Messrs. Post & McCord for the completion of the roof of the New County Court House, the amount of their bid being \$5,468.

**Philadelphia.**

**REVIEW OF THE MONTH.**—Permits issued by the Building Inspectors for the month of October, 1877: Dwelling-houses, two-story, 315; three-story, 182; four-story, 10. Stores and dwells., two-story, 22; three-story, 4; four-story, 1. Stores, one-story, 2; two-story, 1. Dye-houses, 2; stables, 2; fire-engine house, 1; shops, 8; slaughter-houses, 3; packing-house, 1; shed, 1; factories, 6; boiler-houses, 2; offices, 2; ice-house, 1; churches, 2; green-house, 1; store-houses, 2; mill, 1; alterations and additions, 125; back buildings, 38.

**SCHOOL-HOUSE.**—The school-house attached to the Church of the Holy Family, at Seventeenth and Stiles Sts., is almost completed. It has fire-proof stairways, and is a three-story structure, 61 x 122.

**THE POST OFFICE.**—Orders will be given suspending work on the Philadelphia Post Office about the close of the present month, owing to the exhaustion of funds. There is still an unexpended balance set apart for stone-cutting in quarries, which will enable this portion of the work to be continued for several months longer. The amount estimated for the continuation of the work the next fiscal year is \$500,000.

**St. Louis.**

**BUILDING PERMITS.**—Fifty-three permits have been issued for the week ending Nov. 16. Twenty-nine of these are for frame structures, costing from \$15 to \$200. The rest are chiefly brick buildings, costing from \$35 upward. Those worth over \$2,500 are as follows:—

H. C. Luyties, dwell., 3 stories, 12 rooms, cost \$11,000. M. T. Watts, dwell., 3 stories, 8 rooms, cost \$3,000.

**General Notes.**

**AKRON, O.**—The new planing mill now building, which is to be operated by Mr. Simon Hankey, will be a frame building, 60' x 80' in size, with an engine-room on the east side 16' x 50'.

**BERGEN POINT, N.J.**—Martin Kalbfleisch's Sons, the well-known manufacturing chemists, are about to build works for the making of vitriol.

**BRIDGEPORT, CONN.**—Ground has been broken for a new rolling-mill. It will be 200 feet long, by 140 feet wide. The building is to be erected at once, and the machinery will all be in running order before the 1st of January.

**CANTON, O.**—The Canton Iron Bridge Company, have just completed an iron bridge across Straight River, at Faribault, Minn. The bridge is a single span of 140 feet, 18 feet clear of roadway, and sidewalks 5 feet in the clear on each side; roadway planked with 2 1/2 inch oak plank, sidewalk with 2-inch pine. The bridge weighs 32 tons without the planking and floor-beams, and is capable of sustaining a rolling weight of 2,000 pounds per lineal foot, with a factor of 4. Cost of bridge, including planking and painting, \$3,950.

**CLEVELAND, O.**—W. G. Rose, Esq., is building a double frame dwelling on Case Avenue. It will have two stories and a Mansard roof. It will cost \$4,500. Mr. H. E. Myers is the architect.

**CLINTON, IO.**—The Union Opera House is undergoing repairs which will cost about \$2,000; amongst other alterations is the addition of an exterior stairway. W. W. Sanborn is the architect. The Presbyterian church designed by Miller and Wilcox of Chicago is just finished, having cost about \$22,000.

**DIX ISLAND, ME.**—In the Dix Island granite quarries 200 men are now employed. The works have been idle for two years, but were started up with the present force in September. 600 men are also employed in

the granite quarries of Hurricane Island, preparing stone for the St. Louis Post Office and Custom House.

**FALL RIVER, MASS.**—Work has been stopped on the new Custom House and Post Office at Fall River, on account of exhaustion of the appropriation.

**FRANKFORT, ME.**—Pierce & Howe have been assigned the contract for supplying the granite for finishing the Brooklyn Bridge, for the sum of about \$750,000.

**HARDWICK, VT.**—The shipment of dressed lumber is increasing rapidly.

**NEWARK, N.J.**—A contract has been signed for the erection of 16 three-story brick houses with basements, in Second St., in the neighborhood of the Bloomfield car stables.

**NEWPORT, R. I.**—Designs for a house for Commodore C. H. Baldwin have been prepared. The new villa of Mr. Thomas Dunn is nearly finished.

**NORTH ADAMS, MASS.**—The appraisers have decided that the Boston and Albany Railroad shall be allowed \$3,000 and the State \$500 for land damages in the erection of the union station at North Adams; and they are to furnish \$7,000 and \$15,000, respectively, for the station.

**NORTHAMPTON, MASS.**—The Trustees of Smith College have bought a strip of land of Horace Cook, adjoining the Burnell place and extending out to Green Street, the reported price being \$1,500. The foundations of the new dormitory are being laid on this land, south of the Hatfield House.

**OLDTOWN, ME.**—The Catholic chapel is being enlarged and altered under the direction of G. W. Orff of Bangor; cost about \$3,000.

**OYSTER BAY, L.I.**—The congregation of Christ P.E. Church is to build a new church, at a cost not exceeding \$15,000.

**PARKERSBURG, W. VA.**—The Secretary of the Treasury has awarded the contract for furnishing the new furniture for the court-house at Parkersburg, W. Va., to Messrs. O. R. Ware & Co., of New York City.

**PATERSON, N. J.**—The corner-stone of the new depot of the Erie Railway was laid Nov. 17.

**PITTSBURGH, PENN.**—E. G. Smyser, of the Variety Iron Works, York, is engaged in casting fifty-eight iron columns for the Pittsburgh passenger depot building. Each column is twenty-seven feet long, and weighs a ton.

**QUEBEC, CAN.**—It is proposed to build permanent exhibition buildings on the site of the old ones.

**ROCHESTER, N. H.**—The Free Baptist Society is making an effort to build a new church.

**SOMERVILLE, MASS.**—A Roman Catholic church is to be built at the corner of Thurston and Meadow Sts.

**SPRINGFIELD, MASS.**—The brick-yards have made 14,000,000 bricks this season, which is about the same number as last year.

**SANDUSKY, O.**—A building to contain two stores is being built for Messrs. Graham & Bailey, druggists. Each store is to be 19' 9" front by 8' deep, and three stories in height. Mr. H. E. Myers is the architect.

**ST. JOHNSBURY, VT.**—Ground has been broken for the new Episcopal church. It is to be of wood, Gothic in style, with a seating capacity of 400. The entire cost will be about \$8,000.

**TURNER'S FALLS, MASS.**—The Montague paper company are building a bridge from their new saw-mill, across the canal, to the new pulp-mill. James Burns has his new double tenement house nearly done. George E. Hartley has the job of building the sidewalk in front of the cutlery block.

**WATERVILLE, ME.**—Daniel Gallert is building a house 34 x 38, from plans prepared by G. W. Orff of Bangor; cost \$3,500.

**WORCESTER, MASS.**—There is to be a new theatre here.

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—Another illustration that "time is money" was furnished when a few evenings since, the Chicago Fire Alarm system failed to indicate the exact locality of the fire in Field, Leiter, & Co's. store. During the fifteen minutes in which the firemen were seeking for it, the fire got under such headway that it could not be overcome, and the establishment was destroyed, entailing a loss of about a million dollars. Had this store been furnished with the Automatic Fire Alarm, the great calamity would doubtless have been avoided, for then the firemen would have gone directly to the scene of conflagration. The operation of this alarm is very simple and effective: an increase of a few degrees in temperature gives the Fire Department information of the building and room in which the fire exists, even before the engines leave their stations. Thus a saving of time is made which enables the firemen to go directly to the spot where a fire has started, attack it while small, and thus prevent great destruction of property and derangement of business. The Automatic Fire Alarm is now used in a number of

the finest mercantile buildings in Boston and elsewhere. Information can be had of the treasurer, P. T. Jackson, Esq., No. 178 Devonshire St., Boston.

—Clark, Reeves & Co., of the Phoenixville Bridge Works, Philadelphia, are now ready to ship an iron bridge, 150 feet in length, to Cuba for the Caibarien and St. Espiritus Railway Co. It was built under the supervision of a Cuban engineer, who will oversee its placement.

—The Howe Cave Association, of Schoharie County, N. Y., daily manufacture about 450 barrels of cement which has already become favorably known to engineers and builders.

—Mr. John F. Klingensmith, of the firm of C. Farner & Co., 215 South 14th Street, St. Louis, has taken out a patent for a degree level, forming a perfect key to the square and compass, which is designed for architects and civil engineers as a T-square. Three sizes are made for carpenters and mechanics generally.

—The ledge or bed of granite of the Maine Red Granite Company, in Calais, appears to be very extensive. It is of a reddish color, blending or mixed with brown and white. The company have orders already ahead for several months. They are at work on an order for a polished gateway for Mt. Olivet, at Baltimore; also for an expensive sarcophagus for Greenwood Cemetery, New York City. They have orders from Vermont, Ohio, Illinois, New York, and San Francisco, for monumental work.

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 Sealed proposals, indorsed on envelope "Proposals for Boiler Iron," will be received at this Bureau until 12 o'clock, on **MONDAY, Dec. 11, 1877,** for about 195,000 pounds of boiler iron, to be delivered in the Washington Navy Yard, and about 75,000 pounds boiler iron to be delivered in the Norfolk Navy Yard, subject to inspection and test, on or before Jan. 16, 1878. All to be of the very best quality of American flange iron, and to positively stand the severest flanging tests and a tensile strain of not less than 55,000 pounds to the square inch. Maximum size sheets 119 inches by 87 inches, and 11-16ths of an inch thick.  
 No bid will be received except direct from known reliable manufacturers of this article, and only upon blank forms, which may be obtained upon application to this Bureau, together with the schedule and sketch of sizes and shape of sheets.  
 The right is reserved to reject any bid not deemed advantageous to the Government.  
 Responsible security will be required for the faithful delivery of the iron in conformity to the requirements of the schedule.  
**WM. H. SHOCK,**  
 Chief of Bureau.

**PAINTERS' SUPPLIES.**

**NAVY PAY OFFICE.**  
 No. 29 BROADWAY, NEW YORK, Nov. 17, 1877.  
 Proposals sealed and indorsed on envelope, "Bid for Supplies Advertised," will be received at this office until 12 o'clock, Dec. 1, 1877, for the following supplies of the best quality, to be delivered within thirty (30) days, free of expense, at the Navy Yard, New York:  
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**A. H. GILMAN,**  
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**JAIL AND JAILER'S RESIDENCE.**

**MT. VERNON, IND.**  
 Sealed proposals will be received at the auditor's office in the city of Mount Vernon, Posey county, Indiana, until two o'clock, P. M., Thursday, Dec. 20, 1877, for building a jail and jailer's residence attached thereto in the city of Mount Vernon, county of Posey, and State of Indiana, according to the plans and specifications as prepared by Vrydal & Clark, architects, in the office of said County, where they can be seen on and after this date. All proposals must be accompanied with a bond in the sum of \$500, certified by the clerk of the Posey Circuit Court that the same is good and sufficient for the amount, that the bidder or bidders will give a good and satisfactory bond, if awarded the contract, and no bid will be considered unless such bond accompanies it. The Commissioners reserve the right to reject any or all bids. By order of the Board of County Commissioners.  
**ALFRED D. OWEN,** County Auditor.

**COUNTY JAIL AND WORK-HOUSE.**

**SPRINGFIELD, ILL., Nov. 13, 1877.**  
 Sealed proposals will be received by the undersigned committee for building the new Sangamon County Jail and Work-house, according to plans, specifications, and detail drawings furnished for the same. Proposals are invited as follows, to wit:—  
 1. For the entire work complete.  
 2. For the stone work complete, including settings.  
 3. For the brick work, including excavations for drains, complete.  
 4. For the carbonized iron, chrome steel, and cast-iron work, complete.  
 5. For the carpenter work, complete.  
 6. For the galvanized iron work.  
 7. For the iron roof on Jail and Work-house.  
 8. For the slate roof on jailer's residence.  
 9. For the plastering, complete.  
 10. For the painting and glazing, complete.  
 11. For the plumbing and gas fitting.  
 12. For the heating and ventilating apparatus.  
 Plans, specifications, and detail drawings may be seen at the office of the architect on and after Nov. 26, 1877.  
 All bids for the work complete, or any part thereof, must be filed in the office of the County Clerk on or before and 4th day of December, 1877, at twelve o'clock, M., which bids will be presented to the Board of Supervisors of Sangamon County. The said board reserves the right to reject any or all bids received.  
 By order of committee.  
**C. M. SMITH,** Chairman.  
**GEORGE H. HELMLE,** Arch't and Supt.

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**BROOKLYN, N. Y.**  
**THE TRUSTEES OF THE NEW YORK AND BROOKLYN BRIDGE OFFICE, No. 21 WATER ST.**  
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**R. A. BOEBLING,** Chief Engineer.

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**JOHNSTOWN, N. Y.**  
 Sealed proposals for constructing the entire Water Works for the village of Johnstown, N. Y., will be received by the undersigned, up to 12 o'clock, noon, of the twentieth day of November, 1877. All bids received on or before that time will be publicly opened and read in the Commissioner's office. The work will consist of the construction of reservoirs, dams, about ten miles of cast iron pipe, fire hydrants, &c. Plans and specifications can be seen at the office of the Commissioner on and after the twelfth day of November. All bids must be made upon the forms furnished by the Commissioner for that purpose, and be accompanied by a deposit of five hundred dollars, in cash, draft, or certified check, as a guaranty that if the work is awarded the contract will be signed. The bids will be an aggregate sum for the whole work complete, and in case of award a satisfactory bond in the amount of 35 per cent of the contract price will be required. The Commissioners reserve the right to reject any or all bids should they consider it for their interest to do so.  
**J. L. NORTHROP,** President. **J. P. MASON,** J. P. **MILLER,** L. STEPHENSON, J. HESS, Water Commissioners. **P. H. BAERMANN,** Engineer.



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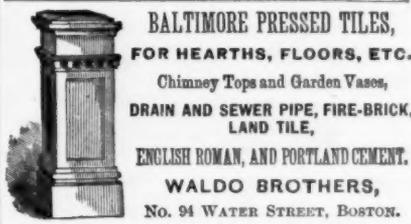


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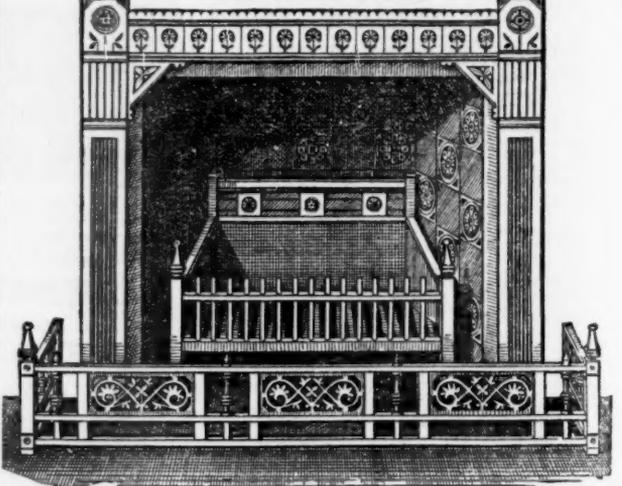
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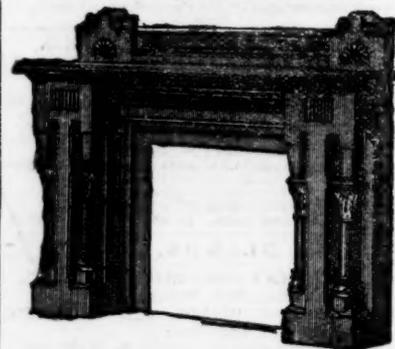
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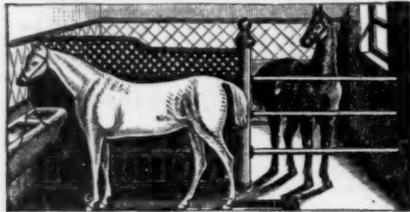
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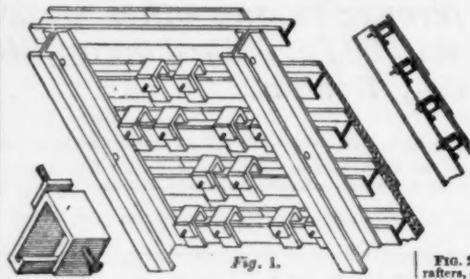
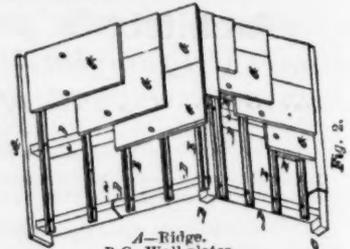


Fig. 1.

FIG. 1. The above invention relates to the manner of securing slates to iron roofs. It consists of a bent plate of suitable metal, which hooks around or under the purlins on which the slate rests, and is provided with a bolt passing through it and the bent plate, one end of the bolt having a head, which is countersunk in the upper side of the slate, the other end of the bolt being secured by a nut, or otherwise.



A—Ridge.  
B C—Wall plates.

FIG. 2. This invention consists of a roof composed of wooden rafters, (D) covered with sheet metal (a) or other fire-proof material, and iron purlins (c) or beams, with the slates (G) or other covering secured thereto by clasps, (FIG. 1.) or in any other suitable manner, in connection with a fire-proof cement, (B) or composition rendered or laid within the space enclosed by the rafters and purlins immediately under and in contact with the slates or a covering of the roof, by which construction the roof boards are dispensed with, and a roof is produced thoroughly fire-proof at every point, avoiding condensation, contraction and expansion of roofs formed wholly of iron.

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**DOOR-SECURERS.**—G. E. Korlicka, Chapin, Ill.  
**IRON FENCE-POSTS.**—W. T. McNeil and G. A. Lambert, Worcester, Mass. Hollow triangular posts are formed from sheet-metal; the folds at the angles giving vertical stiffness.  
**TRANSOM-LIFTERS.**—J. F. Wollensak, Chicago, Ill. A device for opening or shutting a transom by raising or lowering an adjustable knob with the necessary attachments.  
**BOLT-LOCKS.**—E. J. Lockwood, Danbury, O. The lower end of the bolt is slotted; and pivoted in the slot is a key, which can be turned to a right angle with the bolt itself. This key is held in place by a spiral spring surrounding the bolt and between its head and the substance bolted.  
**OVERFLOW AND DISCHARGE VALVES FOR WASH-BOWLS, BATH-TUBS, ETC.**—H. Ogden, Providence, R.I.

**Chicago.**  
**BUILDING PERMITS.**—The following is a list of new buildings for which permits have been issued during the two weeks ending Nov. 24, 1877:—  
 D. S. Mullins, two-sty and bas't br. dwell., 22' x 50', at 126 Erie St.; cost \$4,000. Eliza Finnimore, two-sty and bas't br. stone-front dwell., 25' x 40', Monroe St.; cost \$5,000. John V. Ayers & Son, 1 br. warehouse, 130' x 100', Clark and Taylor Sts.; cost \$10,000. John Consoer, two-sty and bas't br. dwell., 29' x 56', Park St.; cost \$5,500. Jerome Beecher, 4 two-sty and bas't br. stone-front dwells., each 29' x 53', Indiana Av.; cost \$20,000. John Butler, 3 two-sty and bas't br. dwells., each 20' x 30', Lytle St.; cost \$6,000. Charles Stoc, four-sty and bas't br. stone-front store and tenements, 40' x 80', at 349 and 351 State St.; cost \$12,500. T. P. Phillips, two-sty and bas't br. store and dwell., 44' x 34', Van Buren St., cost \$4,500. John T. Buckley, 3 two-sty and bas't br. dwells., each 21' x 34', Lytle and Arthington Sts.; cost \$7,500. F. H. Davies, two-sty and bas't br. dwell., 32' x 20', at 88 Walton Pl.; cost \$2,500. John Baxter, three-sty and bas't br. store and dwell., 21' x 44', Monroe St.; cost \$5,000. Miss M. Nicol, two-sty and bas't br. dwell., 22' x 40', at 483 West Lake St.; cost \$3,500. Herrick Estate, four-sty and bas't br. store, 20' x 165', at 103 Lake St.; cost \$10,000. J. D. Milliken, 3 two-sty and bas't br. dwells., each 17' x 35', Vernon Av.; cost \$7,500. E. Frankenthal, four-sty and bas't br. stone-front store and dwell., 20' x 80', at 183 Lake St.; cost \$7,500. D. Vaughan, two-sty and bas't br. stone-front dwell., 23' x 50', at 101 Thirty-ninth St.; cost \$5,000. A. DeRoo and D. C. Eddy, 5 two-sty and bas't br. dwells., each 20' x 49', Fulton St.; cost \$15,000. Total, 29 buildings, costing \$129,000. Buildings costing less than \$2,000 each, 21; costing \$52,000. Total, 50 buildings; total cost, \$158,000.

**Cincinnati.**  
**UNION DEPOT.**—There is much talk of building a large union depot here.  
 Mr. Nash is now preparing plans for a store to be built on west side of Race Street, between Fourth and Fifth Streets, for Henry Sutz, Esq. The front is 30 feet wide, and the lot is 200 feet deep, 180 feet of which will be covered by the building, leaving a 20-foot area at the rear for light. The front is to be 6 stories high, built of Ohio freestone, ornate in its details, divided into two bays, and these pierced each by a double window; four windows to the front, and the whole crowned at a height of about 100 feet above the sidewalk by the never-falling galvanized-iron cornice. The centre of the building is to be lighted by a skylight covered at each floor by hammered glass. The offices in the rear of first story. Elevators and all other conveniences. No positive estimate has as yet been made of this building, but it will cost about \$30,000.  
 Mr. Nash has also prepared designs, and is about to let contracts for a 10-room Gothic frame cottage to be erected at Riverside, for Mr. U. C. Vantyne, at a cost of some \$6,000.  
 The Shillito Building, Mr. J. W. McLaughlin, architect, is now up to sill of the third floor. This building is making rapid progress, and will no doubt, as the architect expects, be enclosed by the end of the year.  
 The Government Building shows the second story nearly completed. From present appearances it cannot meet with the approval of good architects.  
 The Music Hall now presents itself so far as stone and brick can make it (with the exception of the large centre gable) for judgment. The iron roof trusses are now all on and ready for the covering.  
 Mr. Jas. K. Wilson is very busy with many commissions, descriptions of which we will give from time to time. We are at liberty at present to mention a block of seven houses to be built on Mount Auburn, and to be known as the Josephine Terrace. The total front is 140 feet with a depth of 59 feet. Three rooms on a floor to each house, the centre room lighted by a skylight. The principal fronts to be of solid freestone. The end houses will be different in plan and elevations from the rest, and more elaborate in treatment. The block is now in process of construction, and will cost about \$60,000.  
 Mr. E. Anderson has in hand a handsome villa to be erected on Price Hill for John Gerke, Esq; ten rooms, brick, with stone trimmings, slate roof, and all modern conveniences. Cost about \$8,000.  
 The Children's Home, fronting 120 feet on Ninth Street, and commenced last spring, is now under roof, and ready for the inside finish. Mr. McLaughlin, architect.  
 Messrs. J. M. and J. G. Miller are about to erect a small building 26 x 50 for store and dwelling-house purposes, on the corner of Seventh Street and Sinclair Alley. Cost about \$7,000. Mr. Charles Craspey, architect.

**Philadelphia.**  
**BUILDING PERMITS** issued since our last report:—  
 A. West, 2 two-sty back buildings, 16' x 13', Brighthurst St.; C. Bache, three-sty back building, 14' x 85', Beach St.; F. H. Sanford, three-sty dwell., 15' x 84', Reese St.; Folkin & Kedwood, two-sty building, 18' x 50', Chatham St.; T. Fleming, 7 two-sty dwells., 15' x 42', C St.; D. R. Corby, three-sty dwell., 16' x 40', Nicholas St.; Williams & McNichols, two-sty factory, re-building, 60' x 70', Wood St. wharf Schuylkill; J. Swift, one-sty building, 31' x 32', Hazle Av.; J. Airey, jun., 7 two-sty dwells., 14' x 28', Ann and Spring Sts., Paschalville; F. D. Fulmer, three-sty stable, 45' x 62', N. Sixteenth St.; W. D. Stone, 9 three-sty back buildings, 16' x 33', Lansdowne Av.; F. C. Pierson, two-sty dwells., 16' x 28', Florence Av.; J. W. Howard, five-sty factory, 21' x 104', cor. Thirteenth and Cherry Sts.; C. B. Souder, 4 three-sty dwells., 18' x 60', cor. Forty-second and Sansom Sts.; G. Hubbard, three-sty back building, 13' x 26', Wood St.; M. W. Kirkwood, 5 four-sty dwells., 20' x 71', Chestnut St.; G. Leoling, two-sty stable, 16' x 29', Perth St.; J. F. Shannon, two-sty dwell., 15' x 29', Dauphin St.; R. Hagerty, two-sty back building, 16' x 15', Twentieth St.; G. Hirst, 2 two-sty back buildings, 14' x 10', Queen St.; H. W. Malloy, two-sty back building, 18' x 20', cor. Third and Moore Sts.; G. Bayford, 4

two-sty dwells., 14' x 28', Getz St.; W. Galbraith, 8 two-sty dwells., 14' x 28', Wilder St.; A. J. McLaughlin, two-sty shop, 16' x 45', Alder St.; C. Newkirk, 8 two-sty dwells., 14' x 28', Hoffman St.; J. Hagerty, three-sty back building, 15' x 16', cor. Twenty-third and Chestnut Sts.; W. Sweeney, 2 three-sty dwells., 18' x 70', Broad St.

**St. Louis.**  
**BUILDING PERMITS.**—Twenty-five permits have been issued for the week ending Nov. 23. Five of these are for frame structures of values from \$25 to \$65. The rest are for brick buildings, the most of them small. Those worth over \$2,500 are as follows:—  
 Mrs. Gellitch, dwell., 3 stories, 8 rooms, cost \$3,500. J. F. Laumann, dwell., 2 stories, 6 rooms, cost \$3,000.

**General Notes.**  
**BLUE HILL, ME.**—The Collins Granite Company are quarrying a fine lot of six-cut granite for the abutments of the East River (N.Y.) bridge. They are to get \$225,000 for the job, and have two years for its completion. The average number of men employed will be about 260.  
**CAMBRIDGE, MASS.**—The new building recently erected upon the Court House Green on Second Street, East Cambridge, is now about completed on the outside, and will probably be ready to be occupied by the Register of Deeds by February. It is a plain, unpretending, brick structure, which is quite overshadowed by the Court House. Workmen are busy in preparing the grounds around the building, and they will soon present their usual neat and orderly appearance.  
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**GARDNER, MASS.**—It is proposed to build a new Congregational church, to cost about \$35,000; and Levi Heywood, Seth Heywood, and P. Derby have each subscribed \$5,000.  
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**LANSING, MICH.**—The building commissioners of the new State Capitol are making investigation to discover what is the best sort of furniture to put into the new building.  
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**NIAGARA FALLS, N.Y.**—A cotton mill is to be built at Niagara Falls next spring, and the forty thousand million horse-power will perhaps be utilized.  
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**PROVIDENCE, R.I.**—The number of buildings at Brown University is soon to be increased by the erection of a new dormitory, which has been mainly provided for by Horatio N. Slater, formerly of Providence, but now of Webster, Mass.  
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**SALISBURY, CONN.**—C. W. Barnum, a son of the Senator, is building a fine residence.

**A RECORD.**

Showing how buildings recently burned are to be replaced.

**TURNER'S FALLS, MASS.**—The Keith Paper Company have finished the adjustment of their insurance; and it has been decided that the company shall rebuild the mill, the insurance companies furnishing the money within sixty days. The work of clearing away the debris and taking down the walls has begun. The walls of all the projections, the chimney and upper tower, and a portion of the main building are but very little damaged, and will not have to come down. The company have always been short of loft-room; and two stories may be added to the machine-room for lofts. A directors' meeting is to be held to decide what alterations, if any, shall be made. This company employed about 250 operatives, had a monthly pay-roll of some \$6,000, and got out five tons of fine writing-paper per day. They expect to be making paper again within three months.

**MARLOW, N.H.**—The Burnap tannery at Marlow will be immediately rebuilt. The town will exempt the property from taxation for ten years, and give Mr. Burnap a two-per-cent gratuity.

**NEW HAVEN, CONN.**—L. Candee & Co., the burned-out rubber firm, have decided to rebuild, notwithstanding liberal offers to go to Bridgeport.

**SUMMARY OF THE WEEK.**

Reports from the Principal Cities and Towns of the Country.

**Boston.**  
**BRICK BUILDINGS.**—Only two permits have been issued since our last report;—one to A. H. Glover, for a one-story freight warehouse; the other to W. F. Warren, for a boiler-house.

**Brooklyn, N.Y.**  
**BUILDING PERMITS.**—Since our last report the following permits have been issued:—  
 Atlantic St., Nos. 1738 and 1740, 2 two-sty frame stores and dwells., 17' 6" x 34'; owner, George Evans. Decatur St., 2 two-sty frame dwells., 20' x 40'; owner, M. A. Derevere, 272 Tompkins Av.; architect, etc., G. Derevere. Humboldt St., 1 two-sty frame stable, 20' x 35'; owner, John Wiggand. Meserole, cor. Humboldt sts.; architect, J. Platte; builder, G. Metzler. Keap St., cor. Marcy Av., 3 three-sty brick dwells., 20' x 40' and 42'; owner, H. Ranken, 179 Bedford Av.; builders, W. Poter and G. W. Smith. Pacific St., 1 four-sty br. store-house, 25' x 65'; owner, Harrison Bros., Pacific St. and Washington Av.; architect, Isaac D. Reynolds; builders, P. F. Burns and J. Quinn. Washington St., 1 three-sty br. oil mill, 200' x 60'; owners, Campbell & Thayer, 89 Maiden Lane, New York; architect, A. M. Cuning. builder, J. T. Smith. Fourth St., 1 three-sty br. tenement, 29' and 32' x 42'; owner, D. Mauger, Grand and Fourth Sts.; architects, J. J. Clyde. Twenty-fifth St., 1 one-sty br. depot, 50' x 120'; owner, Brooklyn City Railroad; architect, J. D. Reynolds; builder, O. Van Boast. Forty-third St., 1 two-sty frame dwell., 16' x 28'; owner, R. H. Drummond, 188 Duffield St. Gates Av., 3 three-sty brown-stone dwells., 18' x 47'; owner, etc., J. J. Kirby. Harrison Av., 1 one-sty br. shop, 25' x 50'; owner, F. Mosetter, 120' to 124', Harrison Av.; builders, J. Frey and G. Jacklay. Lee Av., 1 two-sty br. shop and dwell., 16' x 36'; owner, S. E. Holcomb, 158 Lee Av.

**HISTORICAL SOCIETY BUILDING.**—\$99,200 have al-

ready been raised for a new building for the Long Island Historical Society. We understand that Mr. Leopold Eidlitz is to be the architect.  
**THE NEW LIBRARY-BUILDING.**—The Long-Island Historical Society has authorized its president to appoint a building committee to make arrangements for the construction of the society's new building. The necessary sum (\$100,000) has been raised.

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**Drawings for the American Architect and Building News.**

Architects and architectural draughtsmen who desire to contribute drawings for publication will find the following facts of use:—  
 Only pen-and-ink drawings, without brush-work of any kind, can be reproduced.  
 The space upon a single page allowed for a drawing is 7" x 11"; therefore drawings should have approximately these proportions.  
 The reproductions are most satisfactory when they are from one-third to one-half as large as the originals. The most satisfactory results are obtained from drawings upon Bristol board, or hot-pressed Whatman. Tinted paper should not be used.  
 Tracing cloth upon the dull side, bank-note paper, or tracing paper, provided it is not of a yellowish tinge, may be used in cases of absolute necessity.  
 The ink should be black and of uniform strength.  
 The lines should be firm, sharp, not too coarse, and not unintentionally broken.  
 Shading and hatching lines must not be too close and crowded, especially where a large surface is to be shaded.  
 It is very desirable that plans should accompany the drawings.  
 Drawings of details both constructional and ornamental are also desirable.

**Publishers' Department.**

THE AMERICAN ARCHITECT AND BUILDING NEWS is published every Saturday, at \$7.50 per year, or \$6.00 if paid in advance. Single copies, 15 cents.  
 Advertisements, on page 1 and pages next to editorial matter, 12 1-2 cents per line (agate), or \$1.75 per inch (14 lines) for one insertion. One inch, one month, \$7.00; three months, \$20.00; six months, \$36.00; nine months, \$50.00; one year, \$60. Other pages, 10 cents per line, or \$1.40 per inch, one insertion. One inch, one month, \$5.00; three months, \$16.00; six months, \$30.00; nine months, \$45.00; one year, \$55.00.  
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 Payments should be made directly to the publishers, either by draft or by Post-office order.  
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**BUILDING SPECIALTIES.**

—In an advertisement on another page it is announced that the cost of iron columns, when made fire-proof by Wight's process, does not exceed that of the ordinary iron columns of the same diameter. The reason of this is that when iron columns of more than ten inches are employed in building work, such as stores and warehouses, their actual strength is often from ten to twenty times the greatest loads to be carried. Adopting co-efficients of safety of one to five, it is found that the weight of iron can be greatly reduced; and even at the low price of two and a half cents per pound, this saving of iron pays for the fire-proofing.

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### PROPOSALS.

#### HOT WATER APPARATUS.

Proposals for Low Temperature Hot Water Apparatus for the U. S. Custom House at Evansville, Ind. OFFICE OF THE SUPERVISING ARCHITECT, TREASURY DEPARTMENT, WASHINGTON, D. C., Nov. 21, 1877.

Sealed proposals will be received at this office until 11 A. M., on the tenth day of December, 1877, for supplying and fixing in place complete, a Low Temperature Hot Water Apparatus for the U. S. Custom House at Evansville, Ind., in accordance with drawings and specification.

Copies of drawings and specification, form of proposal, and any additional information, may be had on application at this office, or the office of the Superintendent.

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JAS. G. HILL, Supervising Architect.

#### WOOD CEILINGS.

NEW YORK.

Sealed proposals will be received by the School Trustees of the Sixteenth Ward at the hall of the Board of Education, corner of Grand and Elm Streets, until 9:30 o'clock, A.M., on Wednesday, Dec. 5, 1877, for finishing wood ceilings for certain rooms in Grammar-School Building No. 45, on West Twenty-Fourth Street, near Eighth Avenue.

MATTHEW HIRSH, Chairman, JAMES HARRISON, Secretary, Board of School Trustees Sixteenth Ward.

Sealed proposals will also be received by the School Trustees of the Seventeenth Ward, at the same place, until 10 o'clock A.M., on Wednesday, Dec. 5, 1877, for furnishing wood ceilings for certain rooms in Primary-School Building No. 22, corner of First Avenue and Ninth Street.

R. A. BARRY, Chairman, FREDERICK C. WAGNER, Secretary, Board of School Trustees Seventeenth Ward.

Plans and specifications may be seen, and blanks for proposals obtained, at the office of the Superintendent of School Buildings, No. 146 Grand Street, third floor.

Proposals will not be considered, unless the following provisions are strictly complied with:—

The party submitting a proposal, and the parties proposing to become sureties, must each sign his own name and piece of residence on said proposal.

Two responsible and approved sureties, residents of this city, are required in all cases.

The trustees reserve the right to reject any or all of the proposals submitted.

Dated New York, Nov. 21, 1877.

101

#### CURBSTONES, FLAGGING, AND GUTTERS.

CINCINNATI, O.

Sealed proposals will be received at the office of the Board of Public Works until 12 o'clock noon of Saturday, Dec. 22, A.D. 1877, for grading, curbing, flagging, and limestone gutters, macadamizing the roadway, and constructing the necessary culverts, drains, or retaining-walls, according to specifications on file in the office of the Board of Public Works, Madison Street, from Curry Street to Hammond Street.

The Board reserves the right of rejecting any or all of the bids.

Bidders will indorse their names upon the outside of the envelopes containing their bids.

Each bid to be accompanied by two disinterested sureties.

Bidders will give their post-office address, or residence.

Bidders to use the printed forms, as no other will be received.

By order of the Board.  
JOHN E. BELL, President. JOHN D. BANKS, Clerk.

103

#### CURBSTONES, FLAGGING, AND GUTTERS.

CINCINNATI, O.

Sealed proposals will be received at the office of the Board of Public Works until 12 o'clock noon of Saturday, Dec. 22, A.D. 1877, for grading, curbing, flagging, and limestone gutters, macadamizing the roadway, and constructing the necessary culverts, drains, or retaining-walls, according to specifications on file in the office of the Board of Public Works, McDowell Street, from Columbia Avenue to Goodwin Street, the same to be paid for in cash, or in bonds of the city at not less than par, at the option of the Board of Public Works, thirty (30) days after the passage of the ordinance of assessment.

The Board reserves the right of rejecting any or all of the bids.

Bidders will indorse their names upon the outside of the envelopes containing their bid.

Each bid to be accompanied by two disinterested sureties.

Bidders will give their post-office address, or residence.

Bidders to use the printed forms, as no other will be received.

By order of the Board.  
JOHN E. BELL, President. JOHN D. BANKS, Clerk.

103

PROPOSALS.

SCHOOLHOUSE.

COLLEGE HILL, O. Sealed proposals for the erection of a schoolhouse are invited by the Board of Education of College-Hill School District, Hamilton County, Ohio. Bids will be received until 12 o'clock noon, December 7, 1877, at the office of A. C. Nash, architect, Carlisle Building, where drawings and specifications are now on file. The Board reserves the right to reject any or all bids. By order of the Board. Nov. 6, 1877. 101

BOILER IRON.

NAVY DEPARTMENT. BUREAU OF STEAM ENGINEERING. WASHINGTON, Nov. 15, 1877. Sealed proposals, indorsed on envelope "Proposals for Boiler Iron," will be received at this Bureau until 12 o'clock, M., on MONDAY, Dec. 11, 1877, for about 135,000 pounds of boiler iron, to be delivered in the Washington Navy Yard, and about 75,000 pounds boiler iron to be delivered in the Norfolk Navy Yard, subject to inspection and test, on or before Jan. 16, 1878. All to be of the very best quality of American flange iron, and to positively stand the severest flanging tests and a tensile strain of not less than 55,000 pounds to the square inch. Maximum size sheets 119 inches by 87 inches, and 11-16ths of an inch thick. No bid will be received except direct from known reliable manufacturers of this article, and only upon application to this Bureau, together with the schedule and sketch of sizes and shape of sheets. The right is reserved to reject any bid not deemed advantageous to the Government. Responsible security will be required for the faithful delivery of the iron in conformity to the requirements of the schedule. W. M. H. SHOCK, Chief of Bureau. 103

JAIL AND JAILER'S RESIDENCE. MT. VERNON, IND. Sealed proposals will be received at the auditor's office in the city of Mount Vernon, Posey county, Indiana, until 10 o'clock, P. M., Thursday, Dec. 20, 1877, for building a jail and jailer's residence attached thereto in the city of Mount Vernon, county of Posey, and State of Indiana, according to the plans and specifications as prepared by Vrydahl & Clarke, architects, which are on file in the auditor's office of said County, where they can be seen on and after this date. All proposals must be accompanied with a bond in the sum of \$500, certified by the clerk of the Posey Circuit Court that the same is good and sufficient for the amount, that the bidder or bidders will give a good and satisfactory bond, if awarded the contract; and no bid will be considered unless such bond accompanies it. The Commissioners reserve the right to reject any or all bids. By order of the Board of County Commissioners. ALFRED D. OWEN, County Auditor. 105

WIRE ROPE.

BROOKLYN, N. Y. THE TRUSTEES OF THE NEW YORK AND BROOKLYN BRIDGE OFFICE, No. 21 WATER ST. Sealed proposals will be received by the Trustees of the New York and Brooklyn Bridge up to the third day of December, 1877, for the manufacture and delivery of 70,000 lineal feet of Steel Wire Rope required for suspenders of the East River Suspension Bridge. Specifications may be had upon application at the office, 21 Water St., Brooklyn. R. A. BOEHLING, Chief Engineer. 101

WIGHT'S FIRE-PROOF COLUMNS.

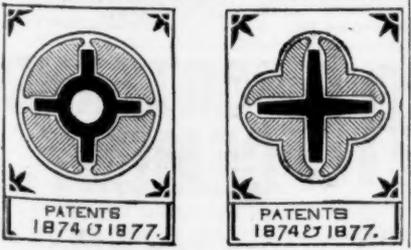
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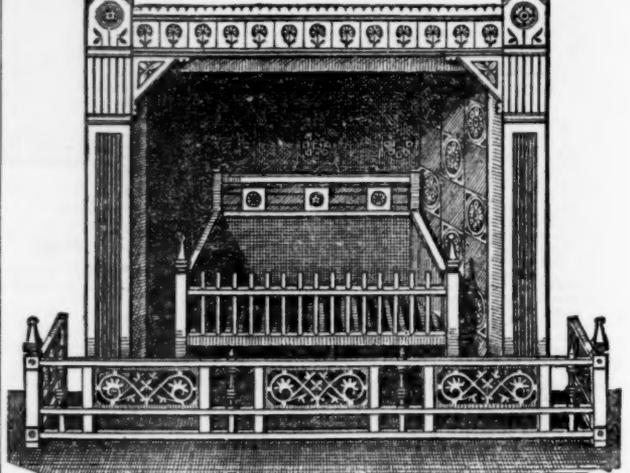
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SATURDAY, DECEMBER 8, 1877.

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We solicit the opportunity to estimate upon all classes of work, viz., Tiling, Wainscoting, Staircases, Mantels, etc. Cemetery work, and Marble work of every description.

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The only safe and reliable machine made for Passenger use in Public Buildings and Hotels, and for business purposes in Warehouses, Stores, &c.  
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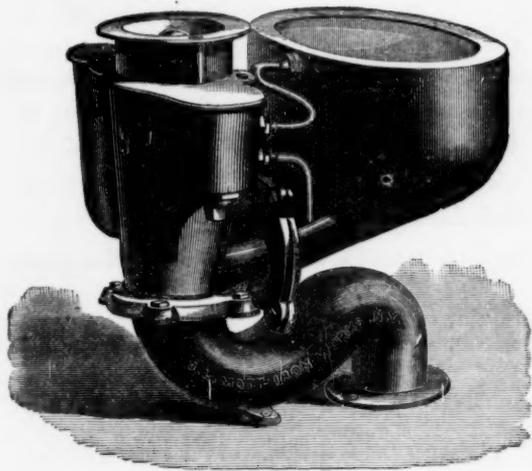
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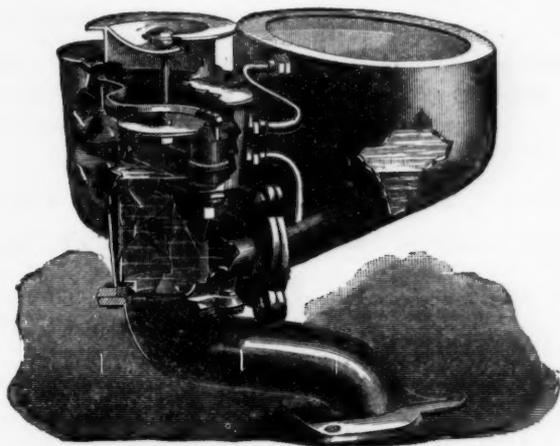
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Challenge the world for fine stock Brick; also manufacturers of all kinds of Bricks, octagon and square. Office 68 3d St., Yard Preston and Knapp Sts. LOUISVILLE, KY.



# DEMAREST'S PATENT WATER CLOSETS.



No. 1. CLOSET WITH TRAP.



No. 2. CLOSET WITH OFFSET, ALSO SHOWING SECTION.

Appreciating the desire manifested in late years, by Sanitarians, Architects, Plumbers, and the general public, for a thoroughly reliable Water-Closet, free from the many complications and technicalities which characterize so many of the Water-Closets now in use, Mr. Demarest, some three years ago, turned his attention to the matter, and, after much thoughtful experiment and patient trial, has succeeded in producing a Closet which we think far superior to all others for simplicity and thoroughness. The many points of superiority will be at once apparent on examination of the article in question, not only to the mechanic, but to those not claiming any sanitarian or mechanical knowledge. The many important features and improvements in this Closet cannot be readily pointed out or discussed in the limited space of a circular. Some of the more salient points, however, may be noticed; and first in importance is the Supply-Valve, the result of many experiments and repeated trials on the part of Mr. Demarest, which is made entirely of Brass, with ground seats, and is so nicely balanced that it will work under any pressure up to 150 pounds; its action is so smooth, and the operation of closing so gradual, that no hammering takes place; hence there is no noise or wear-out to the working parts whatever. In case of the Valve being held open by any obstruction, such as lead filings, which often occurs when water is first turned on, the same can be readily removed by simply unscrewing the cap at the bottom of the Valve, which extends through the Valve-Chamber, when the movable parts can be taken in the hand, cleaned, and put back in a few minutes. This is also a very useful arrangement where the water is muddy, as the Valve can be readily cleaned as often as necessary. The Valve is very prompt and quick in action, washing and refilling the Bowl quickly, at the same time rinsing the Valve-Chamber in which the water continues to run for a short time after it has ceased flowing in the Bowl; hence no soil can rise in the Valve-Chamber, or adhere to the walls to become offensive; and even should any matter from any possible cause remain in the Chamber, it would be driven back into the Bowl, where it would be seen and got rid of by another discharge; again, the Valve-Chamber and Discharge Valve or Plug, as will be noticed by referring to sectional cut, are so constructed as to give no chance whatever for the lodgement of soil or other matter, from the fact that the seat of the Discharge-Valve is below the bottom of the Chamber, the Discharge-Valve also extending above the neck or outlet of the Bowl, with only room enough between the walls of the Chamber and the Valve to allow the water to rise to the Overflow.

The Discharge Valve or Plug is a very ingenious combination of Plug, Overflow, and Trap, on the bottom of which is sprung a Rubber Ring in an annular groove, which rests on a Brass Seat at the bottom of the Chamber, where it joins the Trap or Offset; the top of said Valve or Plug is closed, being a solid casting, thereby preventing any escape of sewer-gas in event of any possible syphoning of the Trap. It is also hollow; consequently there is no displacement of water in the Trap when it is dropped in its seat. There is also a dam inside; so that, when it rests in the seat, the Closet is double-trapped (this is an entirely new and important feature). It also serves as an overflow in case the Supply-Valve should by any possibility be kept open by any obstruction. By simply taking out the two Screws in the Pull-Cup, the Discharge-Valve can be lifted out, when any part of the Closet or Trap can be reached and cleaned out by hand.

The Fan or Water-Spreader, in the Bowl, is also a new and ingenious device, washing the Bowl in a manner superior to the ordinary Fan or other methods now in use. It can also be regulated to suit the pressure by simply turning the Screw out or in, as the case may require.

We presume that it is almost unnecessary to remark, in view of our long and well established reputation for strictly first-class goods, that the Closet is made of the very best material, and finished in the very best manner, and is offered by us as a thorough piece of American workmanship and invention. Our claim to superiority we leave to a fair and unprejudiced trial.

As will be seen, by referring to the illustrations, the No. 1 Closet is furnished with a trap; the No. 2 is furnished with an offset, so it can be placed where a Pan-Closet has been used, where the Trap is under the floor. We furnish the Bowls of Iron XXX Enamelled or of Porcelain. We have lately made very great improvements in the enamelling of iron, and can with confidence recommend the XXX Enamelled Bowl, which is thrice-coated with pure Porcelain Enamel, rendering it virtually a Porcelain Bowl inside of an iron one. It is equal in color to porcelain, is durable, and free from liability to breakage, which, together with the low price, cannot fail to render the Closet with XXX Enamelled Bowl very popular indeed. The Porcelain Bowls are the best quality of ware, and are joined to the iron part in a very complete manner, insuring a tight and perfect joint, also giving ample strength and support to the Bowl. The Valve-Chamber can also be Enamelled if desired. The Cup and Pull is of heavy Brass, Nickel-Plated, but can be furnished in Porcelain if preferred.

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# THE MEAKER HATCHWAY PROTECTORS

Patented Sept. 3, 1872, May 20, 1873, Feb. 24, 1874, and June 9, 1874.

Perfect Safeguards against Fire or Accident. Entirely Automatic in Operation. Simple, Noiseless, and not liable to get out of Order, or be Damaged in any way. Adapted to all kinds of Steam, Water, or Hand-Power Machines. They can be applied to all Elevators now in use. Insurance Saved.

## THE MEAKER HATCHWAY PROTECTORS ARE THREE IN NUMBER.

The Life-Saving Guard Gates can be applied to all Elevators having open hatchways, and are intended to prevent persons from falling through the floors.

The Hatchway Closers are automatic doors, closing all floors of a building in which open elevators are used except as the cab or platform passes through. They are for protection against fire. The Guard Gates, however, should always be used in connection with the Hatchway Closers to prevent persons from standing on them.

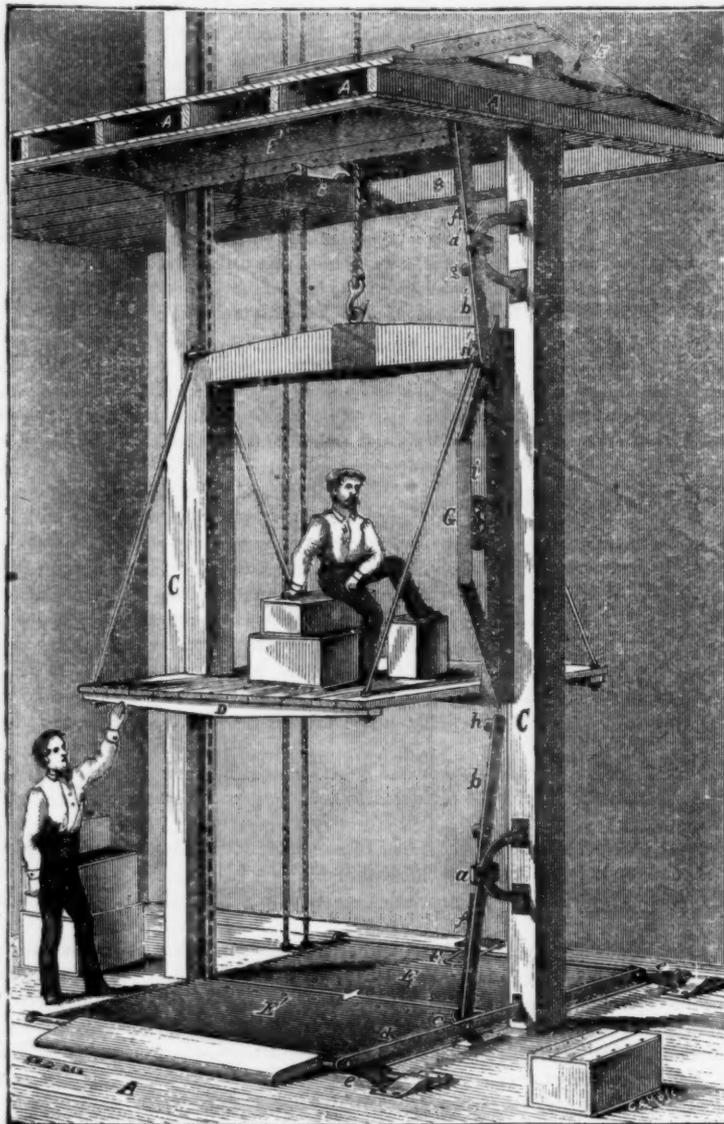
The Self-Acting Doors are for enclosed fire-proof elevator shafts where hatches are not needed.

These three Comprise a Full Line of Inventions for the Protection of Elevator Shafts in Business Houses or Factories.

### AUTOMATIC GUARD GATE.

This is a simple, cheap, and durable device, operated by the movement of the elevator, and always in place at the right time to prevent accident. It has been in use in numerous stores in Detroit for four years past, and gives the greatest satisfaction.

A cam is secured to the elevator post on one side or corner, which operates the gates on each floor. This throws a crank which is attached to a shaft, the shaft being secured to the upper bar of the gate. The gate is thrown up, out of the way, as the elevator reaches each floor, and descends as soon as the car passes. The gate may be either of hard wood or wrought iron.



### AUTOMATIC HATCHWAY CLOSER.

The above illustration shows the Hatchway Closers on two floors. On the lower floor it is closed. On the upper floor, which is approached by the elevator platform, it is open.

All the Meaker Hatchway Protectors are made and put up in Chicago by WM. H. CHENOWETH, No. 74 West Monroe Street, Chicago. Arrangements are now being made for having the Meaker appliances made and put up in all the large cities of the United States.

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### Self-Acting Doors.

When closed shafts are employed it is necessary to have self-acting doors on each story. These serve the purpose of the Hatchway Closers and Guard Gates combined. They close the openings effectually, both against fire and the possibility of persons falling down the shaft.

The doors are made of corrugated iron, with angle iron frames. They divide in the centre, the lower half counterbalancing the upper half very nearly, so that the extra weight of the upper half keeps the doors closed at all times, except when the car passes.

The motive power for opening the doors consists of a cam on the side post of the elevator, which operates on a lever furnished with a friction roller at one end. The lever is connected with the top of the door by round leather belting, which passes over anti-friction pulleys.

This paper is recommended, as an Advertising Medium, to Manufacturers of and Dealers in Building Materials and Appliances by the leading Architects of the country, who prefer its columns for reference to cards and circulars. These gentlemen have selected the American Architect in preference to any other paper or medium, and their names (in fac-simile) will be furnished on application to the publishers, James R. Osgood & Co., Boston.

[Extract from a letter to the Publishers, signed by the leading Architects of the principal cities of the United States.]

It would be a great gratification to us if [the ARCHITECT] could be made, as it deserves to be, the customary and recognized channel of communication, through its correspondence and its advertising columns, between architects, the makers of building-appliances, and the public.

This would be a personal convenience indeed to ourselves, as the pages of the journal are more handy and easy of reference than cards and circulars.

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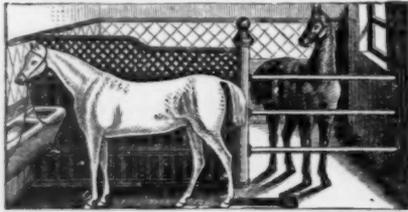
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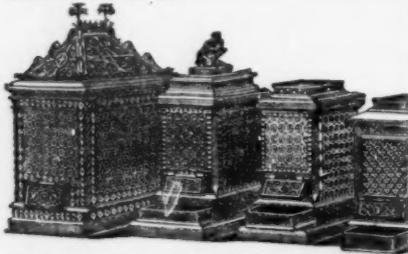
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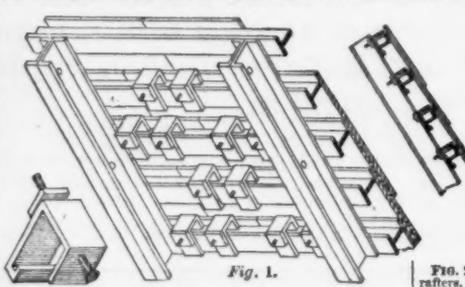


FIG. 1. The above invention relates to the manner of securing slates to iron roofs. It consists of a bent plate of suitable metal, which hooks around or under the purlins on which the slate rests, and is provided with a bolt passing through it and the bent plate, one end of the bolt having a head, which is countersunk in the upper side of the slate, the other end of the bolt being secured by a nut, or otherwise.

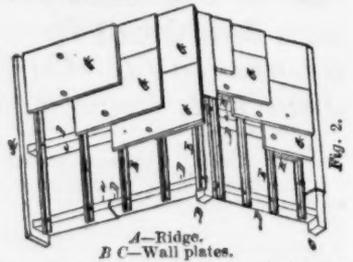


FIG. 2. This invention consists of a roof composed of wooden rafters, (D) covered with sheet metal (a) or other fire-proof material, and iron purlins (c) or beams, with the slates (G) or other covering secured thereto by clasps, (Fig. 1) or in any other suitable manner, in connection with a fire-proof cement, (H) or composition rendered or laid within the space enclosed by the rafters and purlins immediately under and in contact with the slates or a covering of the roof, by which construction the roof boards are dispensed with, and a roof is produced thoroughly fire-proof at every point, avoiding condensation, contraction and expansion of roofs formed wholly of iron.

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Newark, N.J.

Fine Castings of Malleable and Gray Iron, German Silver, and Composition; also Patterns a specialty.



cor. Germantown Av. and Canal St.; J. J. Bennett & Co., 14 three-sty dwell., 16 8' x 56', Thirteenth St.; W. Evans, two-sty store and dwell., 20' x 32', Sixteenth St.; L. Smith, two and three sty addition, 20' x 40', cor. Eleventh and Filbert Sts.; F. Black, two-sty shop, 15' x 22', No. 717 No. Twenty-fourth St.; W. Yearsley, three-sty dwell., 20' x 45', Vine St.; Mitchell & McHugh, 11 three-sty dwell., 14' x 42', Warren St.; T. K. Elwell, two-sty dwell., 17' x 42', Seneca St.; T. K. Elwell, 3 two-sty dwell. and hall market, 60' x 177', Federal St.; R. W. Strode, three-sty factory, 25' x 65', No. 917 Sanson St.; J. S. Benson, 7 two-sty dwell., 14' x 28', Ward St.; P. Rehill, two-sty back building, 12' x 14', No. 1922 Carpenter St.; W. Shaw, one-sty building, 12' x 14', No. 621 Moore St.; W. McAvoy, two-sty dwell., 16' x 38', No. 1311 So. Twentieth St.; F. C. McCauley, 10 two-sty dwell., 14' x 28', Dorrance and Ward Sts.; Hoover & Mattson, four-sty store and dwell., 16' x 30', No. 623 So. Second St.

PIPE MILL.—Spang, Chalfant, & Co. are building an addition to their new pipe mill, which is to be 130 feet.

St. Louis.

BUILDING PERMITS.—Twenty-three permits have been issued for the week ending Nov. 30. Six of these are for frame buildings worth from \$100 to \$500. The rest are for brick buildings worth from \$40 upward. Those of value exceeding \$2,500 are as follows:—

Table with 5 columns: Owners, Use, Stories, Rooms, Cost. Includes entries for W. Ellerbeck, J. Fitzgerald, William Barnard, W. Sellers, and F. J. O'Connor.

General Notes.

AKRON, O.—Messrs. Whitmore, Robinsons, & Co. are erecting a new brick building in the sixth ward for the manufacture of their improved stone washboards, Rockingham and yellow queensware, Ohio stoneware of various kinds, etc. The new structure is to be three stories in height, measures 176' x 50', and will be completed by next April.

AMESBURY, MASS.—A hundred men are employed upon the new hat-factory now being built.

BALTIMORE, MD.—A new Methodist Episcopal church is being built on Monroe St., on the site of the old Parrott Chapel. It is of brick, of plain design, and will cost when finished, \$10,000. The Sunday-school room in the basement has been completed, and work on the auditorium will be carried forward as rapidly as circumstances allow.

BOOTHBAY, ME.—The Knickerbocker Ice Company is laying plans for extensive operations the coming winter; they have the sills laid for nine ice-houses, but will not build till further orders. They will, however, complete their elevator, which will raise ice to a height about fifty feet above the pond.

CAMBRIDGE, MASS.—Messrs. Mead and Mason of Boston have the contract for furnishing the new building for the Register of Deeds.

CHARLESTOWN, MASS.—The Secretary of the Navy asks for an appropriation for building a boundary wall on the south-west side of the Navy Yard, and also for relaying the floor of the rope-walk.

MARTIN'S FERRY, O.—There is said to be a project on foot to form a co-operative company and erect a rolling mill, the stock to be divided into 1,000,000 shares of one dollar each. The works are to be large enough to give employment to 5,000 operatives, all of whom must be stockholders.

MANCHESTER, N.H.—The contracts for the Soldiers' Monument have been awarded, and the total expense of the work will be \$16,418. It is not yet decided where to locate it.

NEWBURGH, MASS.—Thompson & Willy are erecting a building and furnace for the manufacture of fire-brick and stove-linings.

OAK BLUFFS, MASS.—The Baptist church and the Baptist Vineyard Association's tabernacle on the Highlands are approaching completion; but the Methodist church in Wesleyan Grove is again indefinitely postponed, both the location and the architectural plans having been reconsidered. The matter of a new tabernacle in Wesleyan Grove, a permanent structure to be built of wood, is again under consideration.

OTTAWA, CAN.—The dome of the Capitol is to be frescoed with an agricultural design, representing a profusion of fruits and vegetables.

PROVIDENCE, R.I.—The clock for the new courthouse is said to be the largest in New England. The dial is 7 feet in diameter, and the pendulum rod 14 feet long, with a 300-pound ball; and the clock, by an ingenious electric device, regulates all the other 12 clocks in the building.

PITTSBURGH, PENN.—The Standard Oil Company is constructing a factory for the manufacture of barrels for its own use. The building will be 300' square, and supplied with the latest improved machinery for making barrels, with a capacity for turning out 5,000 to 7,000 barrels a day. The establishment, it is calculated, will cost about \$30,000. In connection with this immense coöperation, there is being built a huge agitator, to be used in completing the process of refining oil.

It is proposed to build an immense rolling-mill, which shall be worked on the co-operative plan. The scheme which a capital stock of \$1,000,000 is to be supported by stockholders, holding not more than five shares, rated at one dollar per share.

INDEX OF CURRENT WORK.

Giving information concerning important buildings now unfinished.

Albany, N.Y.

BREWERY.—Quinn & Nolan, owners. W. Dickson, architect. Cost \$200,000. POST-OFFICE.—James G. Hill, Supervising Architect of the Treasury Department.

Boston, Mass.

CHURCH.—Cost \$75,000. Mr. John Welch, architect, Brooklyn, N.Y. HOTEL.—Hotel Sumner. E. B. Horn, owner. Messrs. Appleton & Stephenson, architects, Boston, Mass.

HOTEL.—Hotel Comfort. \$90,000. L. Weissbein, architect. W. Sheaff, owner.

HOTEL.—Creighton House. C. Fehmer, architect.

POST-OFFICE.—James G. Hill, Supervising Architect Treasury Department.

SCHOOLHOUSE.—High and Latin School. G. A. Clough, architect.

Brooklyn, N.Y.

CONCERT GARDEN.—F. H. Cole, architect. Cost \$50,000.

HOSPITAL.—Church Charity Foundation of the Protestant Episcopal Diocese of Long Island. N. L. Derby, architect, New York.

JAIL.—Mr. Mundell.

Chicago, Ill.

APARTMENT HOUSE.—D. Wells, owner. C. T. Thomas, architect. \$24,000.

CHURCH.—Jefferson-park Presbyterian. J. C. Cochrane, architect.

STORE.—D. W. Kendall, architect. \$32,000.

Cincinnati, O.

AQUARIUM.—Jas. W. McLaughlin, architect.

STORE.—Alms & Doepke, owners. Hannaford and Procter, architects.

MUSIC HALL.—Hannaford and Procter, architects.

STORES.—G. F. Humphries, architect. \$10,000.

Cleveland, O.

CONVENT.—Ursuline Academy. L. A. Heard, architect. \$130,000.

CHURCH.—Heligths Cong'l Church. Walter Blythe, architect.

CHURCH.—Woodland avenue Presbyterian. F. S. Barnum, architect. \$9,000.

BLOCK OF STORES.—Corner Erie Street and Woodland Avenue. Griese and Weile, architects and builders.

PUBLISHING HOUSE.—Evangelical Publishing Association. \$45,000. J. M. Blackburn, architect.

Hartford, Conn.

TRINITY COLLEGE.—F. H. Kimball, supervising architect.

ARMORY for the Seventh Regiment. \$360,000.

CONVENT OF THE SISTERS OF ST. JOHN.—E. G. Littel, arch't.

CHURCH.—Grace Church. W. T. Beers & Son, architects. \$20,000.

CHURCH.—Roman Catholic Church, West Fifteenth Street. Cost \$150,000.

ORIENT INSURANCE COMPANY'S BUILDING.—A. H. Thorp, architect. \$25,000.

QUEEN'S INSURANCE COMPANY'S BUILDING.—Clinton & Pierson, architects. \$100,000.

STORE.—G. Thomas, architect. Cost \$20,000.

Philadelphia.

CHURCH.—Central Presbyterian. Collins and Audenreith, architects. G. Watson, builder.

HOSPITAL.—Presbyterian Hospital. Wilson Bros., arch'ts.

OFFICE BUILDING.—Gardner and Truitt.

THEATRE.—Chestnut-street Theatre.

General.

AKRON, O.—First Universalist Church. \$35,000. F. O. Weary, architect.

ANDERSON, IND.—Asylum. M. E. May, architect, Indianapolis, Ind.

ANS ARBOR, MICH.—Court-house. Mr. Bunting, architect, Indianapolis, Ind.

ARCADIA, WIS.—Court-house and Jail. C. G. Maybury, architect, Winona, Minn. \$25,000.

BALTIMORE, MD.—Church of St. Michael and All Angels. \$80,000. Wyatt & Serry, architects.

BELLEVUE, ME.—Masonic Temple. G. M. Harding, architect, Boston, Mass.

BLOOMFIELD, IO.—Court-house. Larkworthy & Mead, cont's.

BUFFALO, N.Y.—St. Peter's Evangelical Church. M. E. Beebe, architect.

CHATTANOOGA, TENN.—Court-house. A. C. Bruce, Knoxville, Tenn., architect.

COVINGTON, KY.—Schoolhouse. H. Bevis, Cincinnati, architect. \$25,000.

DES MOINES, IO.—State House. Bell & Hackney, supervising architects.

FARIBALT, MINN.—Deaf, Dumb, and Blind Asylum. J. Barcock & Co., contractors. \$53,750.

GALVESTON, TEX.—Cotton Exchange. Gibbs & Moser, architects.

GARDEN CITY, L.I.—Stewart Memorial Church. H. G. Harrison, architect.

GOSHEN, IND.—Opera House. \$22,000. Noble & Son, owners.

GREENSBURG, IND.—Hotel. \$18,000. Ketchum & Gibson, architects, Indianapolis.

HOBOKEN, N.J.—St. Matthew's Church. Mr. H. Englebert, architect, New York.

JERSEY CITY.—Catholic College. L. O'Connor, architect.

JOLIET, ILL.—St. Mary's (Roman Catholic) Church. Mr. Kelly, architect, Brooklyn.

KANSAS CITY, MO.—Insane Asylum. J. R. Willett, architect.

KANSAS CITY, MO.—Union Depot. Bernard Malone, contractor. \$100,000.

LYNN, MASS.—First Methodist Church. \$40,000. W. G. Preston, architect. J. F. Kibbey & Son, contractors.

MANCHESTER, MASS.—Hotel. J. B. Booth, owner.

NEWPORT, R.I.—Residence of P. Lorillard. \$40,000.

NOBLESVILLE, IND.—Court House. A. G. Camsfield, Winchester, Ind., contractor.

OIL CITY, PENN.—Exchange. \$75,000. J. M. Budge, jun., architect.

OTTAWA, ILL.—Holy Trinity (R. C.) Church. H. C. Furness, architect. \$150,000.

PITTSBURGH, PENN.—Store. Ewart Bros., owners. E. M. Butz, architect. Cost \$16,000.

PORT CHESTER, N.Y.—Dwelling. E. R. Wesley, owner. W. T. Beers & Son, architects. \$5,000.

ROME, GA.—Shorter Female College. J. A. Cooley, cont'r.

SACRAMENTO, CAL.—Masonic Hall. Carle & Cruly, cont'rs.

SING SING, N.Y.—Methodist Church. Cost \$48,000.

SPRINGFIELD, ILL.—State House. J. C. Cochrane, architect. J. G. H. Helmle, architect. \$5,000.

ST. LOUIS, MO.—Hospital. Rev. E. A. Schindler. \$10,000.

WABASH, IND.—Court-house. B. V. Enos & Son, architects. Cost \$100,000.

WATERBURY, CONN.—Methodist Church. \$40,000.

WALKERSBURG, ILL.—Court-house. H. C. Koch, architect. Cost \$40,000.

ZANESVILLE, O.—Hotel. H. E. Myers, architect. Black & Graham, owners. \$75,000.

BUILDING SPECIALTIES.

The attention of architects is directed to Keene's Marble Cement for interior uses. It is of three kinds—Superfine, Medium, and Coarse,—and is manufactured by the patents, Messrs. J. B. White & Bros. of London. The Superfine quality is delicately white, and when properly worked resembles statuary marble; incorporated with colors it makes a very beautiful Scagliola and takes a high polish. The Medium quality, which is as finely ground as the superfine, but not of so pure white a color (though whiter than the Coarse), is chiefly used for the incorporation of light colors in the manufacture of artificial marble, for which it is well adapted. The Coarse quality is available for stucco in situations where peculiar strength and durability are desired. It may be used with advantage in place of wood for skirtings, architraves, and panel moldings; buildings so stuccoed are to a great extent fireproof and unassailable by vermin or dry-rot. Keene's Cement forms a beautiful indoor paving. For floors of entrance halls, offices, churches, etc., it will be found to combine the durability and the appearance of Portland stone at half the price. Among the many instances in which Keene's Cement has been used in England on a large scale and with entire success, the following may be mentioned: The Houses of Parliament, Treasury, The Admiralty, Record Office, The Langham Hotel, St. Thomas's Hospital, The Royal Hospital, Leeds Infirmary, The Belfast Hospital, National Provincial Bank, and many other hospitals, hotels, and public buildings, including railway stations. It was also used in the decoration of the winter palace at St. Petersburg, and the Imperial palace of the Emperor of Brazil at Rio Janeiro. In America it has been used in many public buildings and private residences, amongst which may be named: The Houses of Parliament, at Ottawa; Post Office Building, Boston; Equitable Building, New York; English Embassy, Washington; Reformed Church, Philadelphia; Post Office, New York; Webb Mansion, New York. The use of Keene's Cement as stucco for the walls of hospitals presents peculiar advantages, as it does not absorb infectious matter, and can be washed down at pleasure, insuring the maintenance of perfect cleanliness. These two advantages have brought it into favor with sanitary authorities, and its use in hospital buildings has now become, in England at least, almost universal. When used for this purpose the floating coat should consist of coarse cement and sand; the setting coat may be of the medium or superfine quality, and should be either polished or at least brought to a perfectly smooth surface, which it is scarcely necessary to observe should not be painted upon. We take pleasure in directing attention to the card of Mr. Howard Fleming in our advertising columns, who is the sole agent for the manufacturers of Keene's Cement.

The Meaker Hatchway Protectors are now among the well-known patent building appliances; and had they been in use as long as elevators themselves, doubtless millions of dollars worth of property might have been saved from destruction by fire, and many accidents to life and limb prevented. They are entirely automatic in operation, and can be adapted to any kind of power. They can also be applied to all elevators now in use, which is an important advantage. The headquarters of the Meaker Hatchway manufacture are in Chicago, where many of them are now in operation; and arrangements are making to put them up in all the large cities of the United States. The illustrated advertisement on page 14, gives particulars which it would be superfluous to repeat. To that we direct the attention of architects, knowing the appliances in question to be recommended by members of the highest standing in the profession. The attention of architects and builders is directed to the advertisement of the "Domestic Water Closets" on page 11. The character of the establishment which manufactures these articles is sufficient to commend them to the attention of many who might not otherwise be led to examine them. The very full description presented leaves little to be said here. But the hope can be expressed that architects especially will examine the merits of the new appliances, which are the result of years of investigation and study, and which undoubtedly combine many advantages to commend them to all intelligent members of the profession.

Reference has been made to Saylor's Portland Cement, and the increasing favor with which it is received by American architects and engineers. It is used on many important buildings and works, over 6,000 barrels already having been consumed by the New York Department of Docks. The report of a late test will interest the building professions. It is as follows:—

Test made of Saylor's Portland Cement, car No. 2,687, Nov. 12, 1877,—six days in water, and one day in air (blocks 2.25 square inches in area):—

Table with 2 columns: Block No., Tensile Strain per square inch. Shows results for Block No. 1 and 2.

Total ... 3920, gross, or 784 average. By dividing the latter figures by 2.25 we have 348 1/3; the tensile strain per square inch.

Messrs. Robert Wood & Co., Philadelphia, are making four bronze lamp-posts for the pedestal of the Gen. George H. Thomas's monument in Washington. They were ordered by Gen. Thomas Lincoln Casey, U.S.A., for the Society of the Army of the Cumberland. The posts will cost one thousand dollars each. They are twelve feet in height, a three-sided base and ornamental shaft, supporting a large bronze-framed lantern, surmounted by a bronze eagle. Three brackets of bronze spring from the shaft below the main lantern, and support each of them a smaller ornamental globe lantern. The ornamentation of the posts is extremely artistic; and as they will stand near the ground, and close to the level of the eye, they are very highly and carefully finished.

The same firm are constructing the fire-escapes for the Continental Hotel. The one which is to be placed on the Sanson Street front consists of a complete cast-iron spiral stairway reaching from the roof to the ground, with entrances at each story, and surrounded by a casing of corrugated galvanized iron to protect it from snow and sleet, and with windows to admit the light. Another fire-escape consists of wrought-iron ladders, with hand rails and platforms at each story.

Publishers' Department.

THE AMERICAN ARCHITECT AND BUILDING NEWS is published every Saturday, at \$7.50 per year, or \$4.00 if paid in advance. Single copies, 15 cents.

Advertisements, on page 1 and pages next to editorial matter, 12 1/2 cents per line (square), or \$1.75 per inch (14 lines) for one insertion. One inch, one month, \$7.00; three months, \$20.00; six months, \$40.00; nine months, \$58.00; one year, \$70. Other pages, 10 cents per line, or \$1.40 per inch, one insertion. One inch, one month, \$2.00; three months, \$6.00; six months, \$9.00; nine months, \$13.00; one year, \$15.00.

No extra charge for cuts or for advertisements that occupy more than a column in width.

Payments should be made directly to the publishers, either by draft or by Post-office order.

JAMES H. OSGOOD & Co., Publishers, Winthrop Square, Boston.

PROPOSALS.

PLASTERING.

Proposals for plastering the U. S. Court House and Post Office at Lincoln, Neb.

OFFICE OF THE SUPERVISING ARCHITECT, TREASURY DEPARTMENT, WASHINGTON, D.C., Nov. 30, 1877.

Sealed proposals will be received at this office until 12, M., on the nineteenth day of December, 1877, for all the plastering required for the U. S. Court House and Post Office at Lincoln, Neb., in accordance with drawings, details, and specification.

Copies of drawings and specification, and any additional information, may be had on application at this office, or the office of the Superintendent, where details may be seen.

103

JAS. G. HILL, Supervising Architect.

IRON BEAMS.

Proposals for Rolled Iron Beams for fourth tier, third floor, of the U. S. Custom House at Cincinnati, O.

OFFICE OF THE SUPERVISING ARCHITECT, TREASURY DEPARTMENT, WASHINGTON, D.C., Nov. 30, 1877.

Sealed proposals will be received at this office until 12, M., on the nineteenth day of December, 1877, for furnishing, delivering, and fixing in place complete, all the rolled iron beams, etc., required for the fourth tier, third floor, of the U. S. Custom House at Cincinnati, O., in accordance with drawings and specification.

Copies of drawings, specification, form of proposal, and any additional information, may be had on application at this office, or the office of the Superintendent.

103

JAS. G. HILL, Supervising Architect.

BOILER IRON.

NAVY DEPARTMENT, BUREAU OF STEAM ENGINEERING, WASHINGTON, Nov. 15, 1877.

Sealed proposals, indorsed on envelope "Proposals for Boiler Iron," will be received at this Bureau until 12 o'clock, M., on MONDAY, Dec. 17, 1877, for about 195,000 pounds of boiler iron, to be delivered in the Washington Navy Yard, and about 75,000 pounds boiler iron to be delivered in the Norfolk Navy Yard, subject to inspection and test, on or before Jan. 16, 1878. All to be of the very best quality of American flange iron, and to positively stand the severest flanging tests and a tensile strain of not less than 55,000 pounds to the square inch. Maximum size sheets 119 inches by 87 inches, and 11-16ths of an inch thick.

No bid will be received except direct from known reliable manufacturers of this article, and only upon blank forms, which may be obtained upon application to this Bureau, together with the schedule and sketch of sizes and shape of sheets.

The right is reserved to reject any bid not deemed advantageous to the Government.

Responsible security will be required for the faithful delivery of the iron in conformity to the requirements of the schedule.

103

WM. H. SHOCK, Chief of Bureau.

JAIL AND JAILER'S RESIDENCE.

MT. VERNON, IND.

Sealed proposals will be received at the auditor's office in the city of Mount Vernon, Posey county, Indiana, until two o'clock, P. M., Thursday, Dec. 20, 1877, for building a jail and jailer's residence attached thereto in the city of Mount Vernon, county of Posey, and State of Indiana, according to the plans and specifications as prepared by Vrydahl & Clark, architects, which are on file in the auditor's office of said County, where they can be seen on and after this date. All proposals must be accompanied with a bond in the sum of \$500, certified by the clerk of the Posey Circuit Court that the same is good and sufficient for the amount, that the bidder or bidders will give a good and satisfactory bond, if awarded the contract; and no bid will be considered unless such bond accompanies it. The Commissioners reserve the right to reject any or all bids. By order of the Board of County Commissioners.

103

ALFRED D. OWEN, County Auditor.

PROPOSALS.

CURBSTONES, FLAGGING, AND GUTTERS.

Sealed proposals will be received at the office of the Board of Public Works until 12 o'clock noon of Saturday, Dec. 22, A. D. 1877, for grading, curbing, flagging, and limestone gutters, macadamizing the roadway, and constructing the necessary culverts, drains, or retaining-walls, according to specifications on file in the office of the Board of Public Works: McDowell Street, from Columbia Avenue to Goodwin Street, the same to be paid for in cash, or in bonds of the city at not less than par, at the option of the Board of Public Works, thirty (30) days after the passage of the ordinance of assessment.

The Board reserves the right of rejecting any or all of the bids.

Bidders will indorse their names upon the outside of the envelopes containing the bids.

Each bid to be accompanied by two disinterested sureties. Bidders will give their post-office address, or residence.

Bidders to use the printed forms, as no other will be received.

By order of the Board.

JOHN E. BELL, President. JOHN D. BANKS, Clerk.

103

HOT WATER APPARATUS.

Proposals for Low Temperature Hot Water Apparatus for the U. S. Custom House at Evansville, Ind.

OFFICE OF THE SUPERVISING ARCHITECT, TREASURY DEPARTMENT, WASHINGTON, D. C., Nov. 21, 1877.

Sealed proposals will be received at this office until 12, M., on the tenth day of December, 1877, for supplying and fixing in place complete, a Low Temperature Hot Water Apparatus for the U. S. Custom House at Evansville, Ind., in accordance with drawings and specification.

Copies of drawings and specification, form of proposal, and any additional information, may be had on application at this office, or the office of the Superintendent.

102

JAS. G. HILL, Supervising Architect

ARCHITECTURAL IRON AND JAIL WORKS.

M. CLEMENTS,

MANUFACTURER OF

Iron Railing, Bank Vaults and Jail Cells,

Iron Stairs, Fire-proof Buildings, Wrought Iron Columns and Girders; Iron Arches, Plain and Corrugated; Fire-proof Shutters, Doors, etc.

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TO ARCHITECTS AND BUILDERS.

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N.B. Late of London.

PRIZES RECEIVED.

London, 1871; Centennial Exhibition, Philadelphia, 1876.

The Useful

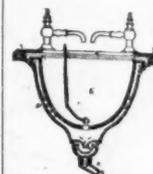
is issued monthly—consists of Perspectives of Interiors, Ornaments of Buildings, Fresco Painting, Furniture, etc., and is accompanied with full-size working-drawings—for direct use—

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59 BROMFIELD STREET - - - - BOSTON.

ARCHITECTS' AND ENGINEERS' STATIONERY.

WADSWORTH BROS. & HOWLAND, No. 76 Washington Street, Boston, have opened an entirely new stock of Stationery used by Architects and Engineers, which includes Tracing Cloth, Tracing Paper, Mounted Papers, Whatman's Superior Drawing Paper, White and Tinted Roll Paper, English and French Crayon Paper, Rubber and Wood Triangles, T-Squares, Mathematical Instruments, &c. Architects and Builders are reminded that our celebrated Bay State Colors are the Best Paints in the market.

WADSWORTH BROS. & HOWLAND, dealers in Painters' Supplies and Artists' Materials, 76 WASHINGTON STREET, BOSTON.

CLASSIFIED ADVERTISEMENTS.

Table listing various categories of advertisements such as ARCHITECTS, ARCHITECTURAL BOOKS, ART FURNITURE, ASPHALT AND OTHER (FELT) ROOFING, BLINDS, BOILER SETTING, BRICK, BRONZE DECORATIONS, BUSINESS OPENING AT MINNEAPOLIS, CEMENT, CHURCH FURNITURE, CLOCKS FOR PUBLIC BUILDINGS, and CROQUETED WOOD.

Table listing various categories of advertisements such as DECORATORS, DESIGNING AND WOOD ENGRAVING, DRAIN PIPE, DUMB WAITER, ELECTRIC BELLS, ANNUNCIATORS, ETC., ELECTRIC GAS-LIGHTING, ELEVATORS, STEAM ENGINES, ETC., FIRE-ELEVATOR BUILDINGS, FIRE-PROOF BUILDINGS, FIRE-PROOF COLUMNS, FURNITURE AND DECORATION, GALVANIZED IRON CORNICES, GAS FITTINGS, GRANITE, GRATES, ETC., HATCHWAY PROTECTORS, IRON MERCHANTS, IRON WINDOW SHARDES, LOCK AND BRONZE HARDWARE, MANTLES, MARBLE WORKERS, MARQUIS BASKET HOPPER, ORNAMENTAL IRON AND BRONZE WORKS, PAINTS, PAPER HANGINGS, PAPER MACHE DECORATIONS, PERFORATED SEATING, PLUMBERS, PLUMBERS' SUPPLIES, ROOFS, and ROOFING FELT.

Table listing various categories of advertisements such as HEATING APPARATUS, HEATING AND VENTILATION, HINGES (SPRING), IRON BRIDGES, IRON MERCHANTS, IRON WINDOW SHARDES, LOCK AND BRONZE HARDWARE, MANTLES, MARBLE WORKERS, MARQUIS BASKET HOPPER, ORNAMENTAL IRON AND BRONZE WORKS, PAINTS, PAPER HANGINGS, PAPER MACHE DECORATIONS, PERFORATED SEATING, PLUMBERS, PLUMBERS' SUPPLIES, ROOFS, and ROOFING FELT.

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MESSES. JAMES R. OSGOOD & Co., Publishers, Boston:

Gentlemen, — At the close of the first year of the American Architect and Building News we desire to express our satisfaction at its establishment, and at the way in which it has been conducted. The excellent literary character it has maintained is calculated to commend it to persons of intelligence and culture outside the profession; and by thus interesting the general public in professional matters at the same time that it presents them from a strictly professional point of view, it is doing both the profession and the public the greatest service.

It would be a great gratification to us if it could also be made, as it deserves to be, the customary and recognized channel of communication, through its correspondence and its advertising columns, between architects, the makers of building-appliances, and the public.

This would be a personal convenience indeed to ourselves, as the pages of the journal are more handy and easy of reference than cards and circulars.

You are at liberty to make any use of this communication that you may judge best adapted to forward the interests of the journal, — interests which are, in our judgment, also those of the profession itself. Wishing it every prosperity, we are

Very respectfully yours,

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Henry Dudley,
Whitcomb Dwight,
Samuel Kendall,
Samuel Beaman,
H. A. B. B. B.,
Eugene T. Dittell,
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Carl Pfeiffer,
J. W. W. W.,
John L. Derby,
A. D. D. D.,
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Henry M. M. M.,
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J. W. W. W.

PITTSBURG.
PHILADELPHIA CHAPTER OF THE AMERICAN INSTITUTE OF ARCHITECTS.
PHILADELPHIA, May 14, 1877.

MESSES. JAMES R. OSGOOD & Co., Boston, Mass.
Dear Sirs, — Being impressed with the satisfactory manner in which you are conducting the "American Architect and Building News," we deem it proper to express to you our high appreciation of the work.

While its professional character, and the technical information it conveys, render it indispensable to practicing architects, the decided literary tone with which it is invested cannot fail to commend it to intelligent and cultivated minds outside of the profession, thus rendering it the means of promoting a general diffusion of knowledge relating to our art.

It is obvious that whatever tends to bring architects and their patrons into intelligible relationship must necessarily subserve the interests both of the profession and the general public; and being of the opinion that the American Architect and Building News is well calculated to produce important results in that direction, we take pleasure in extending to it our hearty indorsement.

Vertical handwritten note on the right side of the page, partially obscured by other signatures.

NEW YORK.
The above letter is also indorsed by the following named architects:
E. W. W. W.,
H. W. W. W.,
Geo. R. R. R.,
John W. W. W.,
Louis W. W. W.,
Alfred W. W. W.,
Henry W. W. W.,
John W. W. W.,
John W. W. W.,
John W. W. W.

INDIANAPOLIS.
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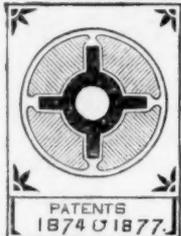
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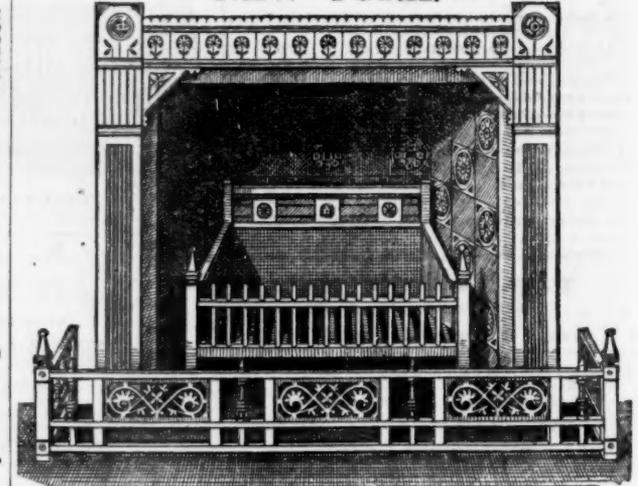
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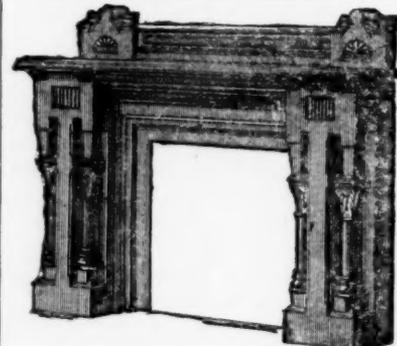
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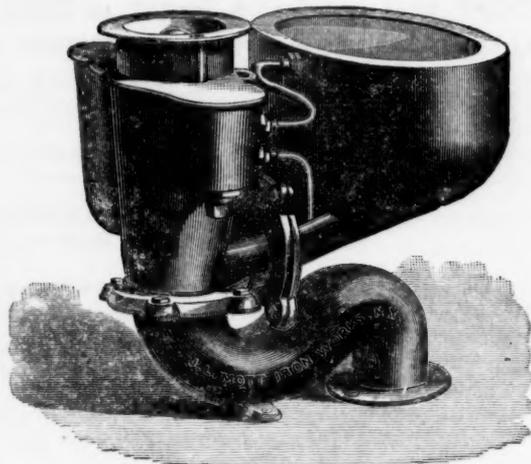
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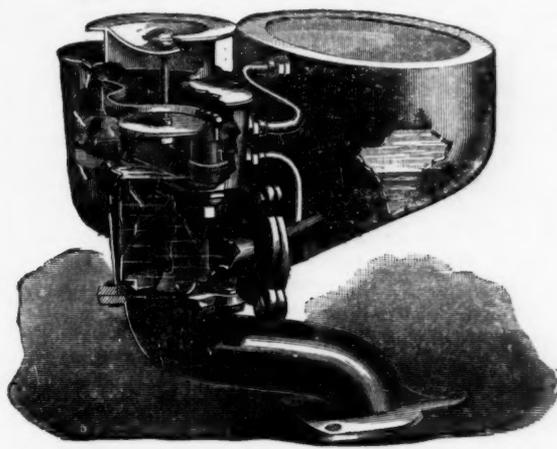


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BOSTON.

Prices to Contractors and Builders.

Table listing prices for various building materials in Boston.

CHICAGO.

Prices to Contractors and Builders.

Table listing prices for various building materials in Chicago.

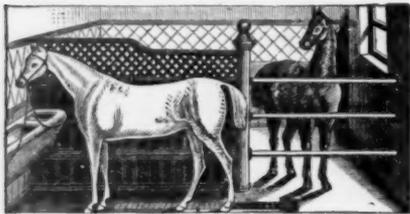
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Estimates and designs on application.

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Roofs covered with Slate, Copper, Tin, and Composition. Agents for Warren's New Patent Asphalt Roof, acknowledged by competent Architects and Builders the best and most durable Composition Roof known. Also inventors and owners of the following patents: —

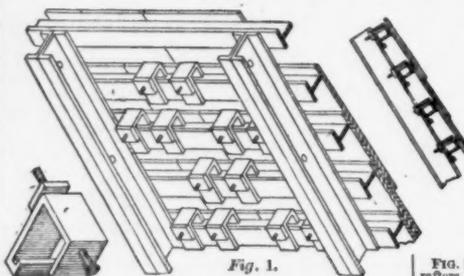


FIG. 1. The above invention relates to the manner of securing slates to iron roofs. It consists of a bent plate of suitable metal, which hooks around or under the purlins on which the slate rests, and is provided with a bolt passing through it and the bent plate, one end of the bolt having a head, which is countersunk in the upper side of the slate, the other end of the bolt being secured by a nut, or otherwise.

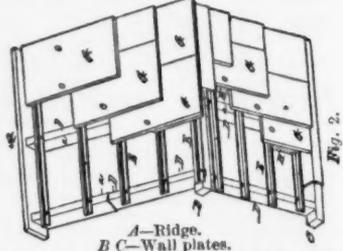


FIG. 2. This invention consists of a roof composed of wooden rafters, (D) covered with sheet metal (a) or other fire-proof material, and iron purlins (c) or beams, with the slates (b) or other covering secured thereto by clasps, (FIG. 1), or in any other suitable manner, in connection with a fire-proof cement, (H) or composition rendered or laid within the space enclosed by the rafters and purlins immediately under and in contact with the slates or a covering of the roof, by which construction the roof boards are dispensed with, and a roof is produced thoroughly fire-proof at every point, avoiding condensation, contraction and expansion of roofs formed wholly of iron.

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**TERRA COTTA WORKS**  
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SAFETY ELEVATORS FOR INVALIDS  
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**Malleable Iron Hollow Muntin Window Sash.**

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End view of Muntin for Glass Sash.  
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The use of these Sashes gives perfect security without the usual gratings that have a prison-like appearance. Wherever introduced both architects and medical superintendents testify to their worth. Manufactured by  
**D. M. MEEKER & SON,**  
Newark, N.J.  
Fine Castings of Malleable and Gray Iron, German Silver, and Composition; also Patterns a specialty.

**BUILDING INTELLIGENCE.**

[Reported for the American Architect and Building News.]

**BUILDING PATENTS.**

**FIRE-ESCAPES.**—Daniel O. Striffler, St. Louis, Mo. The several sections of ladder are elevated by means of a rope attached near the bottom of the top section, and thence passed up between the outside of this section and the second, and over a pulley on top of the second section; thence down the outside of said section, and over pulley on the side of the same near the lower end, and thence up again and over pulley on top of the third section, and so on through the whole series, the lower end of the rope then being passed back and over a detachable pulley at the rear of truck, and thence to a windlass, the sections being elevated either by attaching the horses to the detachable pulley, or by windlass. Anti-friction rollers are provided, in combination with the pulleys at top and bottom of sections, and also upon inner ends of the rungs. A brake is provided at the bottom of the lower section.

**REVERSIBLE CURTAIN-FIXTURE.**—Fred. E. Wagner, Buffalo, N.Y.

**RECEIVERS AND STENCH TRAPS FOR STREET SEWERS.**—Thomas Dark, Buffalo, N.Y.

**SASH FASTENER.**—Cyrus Eberly, Columbus Avenue, New York, N.Y.

**SASH HOLDER.**—Luther Jones and James Stroud, New York, N.Y.

**HAMMERS FOR DRESSING STONE.**—Alex. McDonald, Belmont, Mass. The blades are held in place by a band which slides down over the tapering head which is divided into two parts.

**WASTE-PIPE TRAPS.**—James L. Turner, New York, N.Y.

**SHUTTERS.**—William B. Turner, New York, N.Y.

**HYDRAULIC HOISTING APPARATUS.**—Cyrus W. Baldwin and William Burdon, Brooklyn, N.Y.

**FIREMEN'S LADDERS.**—Nathan S. Boynton, Port Huron, Mich.

**SASH-HOLDER.**—Jesse Chandler, Barry, Ill.

**BUTT HINGE.**—John R. Clark, Buffalo, N.Y.

**BURGLAR-ALARM.**—George S. Clements, New Lexington, O. On an attempt to open the door or window to which this device is attached, the bolt by which the hammer is retained in cocked position is moved, and the hammer explodes a cap or cartridge.

**SHINGLING BRACKETS.**—Isaac W. Hammond, Concord, N.H.

**SASH-FASTENER.**—Fullerton A. Grove, Kirksville, Mo.

**SPRING ELEVATORS.**—Ralph Haskins, Boston, Mass.

**SHUTTER FASTENER.**—E. Mix, Orange, N.J. A circular vertical opening in the lower rail of a sash takes over a metal pivoted arm, the double end of which passes over a pin in the sill. The arm is secured to the usual shutter-hook by peculiarly arranged metal clips.

**FIRE-ALARM TELEGRAPH SIGNAL BOXES.**—A. C. and A. H. Palmer, Utica, N.Y.

**SASH-FASTENERS.**—Henry R. Parrott, Dayton, O. The lifting-button, turned either way to withdraw the bolt, forms a flat bearing for lifting the sash, and the whole construction is somewhat simplified.

**WATER, GRAIN AND EARTH ELEVATOR.**—Levi Galaher, Businessburg, O. This elevator has an endless chain of lifting buckets, which are connected together by open links, a lower drum having scoops affixed to it, and which supply the buckets of the chain with the material to be raised. The upper drum has chutes so arranged as to register with the buckets of the chain, and guide the water to the receiver.

**WINDOW-SHUTTER.**—W. S. Everett, Hyde Park, Mass. This shutter consists of an outer and inner shutter-frame, the latter so hinged to the upper end of the former as to be thrown outward, while side wings close the sides. The shutter-slats have supplementary slats, which are thrown up when the shutter is inclined, thus excluding the sun, and admitting ventilation.

**COMPLETED BUILDINGS.**

**CHATHAM, MASS.**—The town hall has lately been completed. Cost, \$5,800.

**CHICAGO, ILL.**—The new building of Grace Methodist Episcopal Church, at the corner of North La Salle and White Streets, was publicly dedicated Dec. 9.

**LOWELL, MASS.**—The substantial new ward-room and engine-house building in Ward Four, on Branch Street, was dedicated Dec. 4. The building cost over \$12,000, exclusive of the land.

**PHILADELPHIA, PENN.**—The new German Lutheran Church of the Holy Trinity, at Sixteenth and Tioga Streets, near Germantown, was finally opened Dec. 9. The corner-stone of the new church was laid in 1875. Its dimensions are 95 by 57 feet, fronting on Sixteenth, and running back to Smalley.

**PROVIDENCE, R. I.**—Providence County Court House was recently dedicated. Messrs. Stone and Carpenter, architects.

**WARREN, PENN.**—The new Court House which has been built from the plans of Mr. M. E. Beebe of Buffalo, N.Y., was dedicated on Monday, Dec. 3. The building has cost about \$85,000.

**A RECORD.**

Showing how buildings recently burned are to be replaced.

**HOLYOKE, MASS.**—The building which was occupied by D. H. and F. C. Newton as the Connecticut River Pulp Mill, and which was partly burned Dec. 2, is to be replaced by a brick building measuring 40' x 156'. It is to be built by the owners from drawings prepared by Mr. D. H. Tower, architect, and is to be used as a pulp-mill. As a precaution against future fires, it has been built with two brick partitions, and soapstone has been used in the roof instead of slate.

**MERIDEN, CONN.**—The building which was occupied by the Meriden Screw Company as a factory, and which was burned Nov. 18, is to be replaced by a building

measuring 30' x 60' with L, and two stories high with attic, to be built of wood with brick boiler and engine room; to be built by Messrs. H. M. Jones & Co., builders, from drawings prepared by Mr. S. A. Burns, amateur. It is to be used by the Meriden Screw Company as a factory for manufacturing hardware.

**St. Louis, Mo.**—The large fire-clay works of Evens and Howard near this city, which were burned Nov. 25, are to be rebuilt at once.

**SUMMARY OF THE WEEK.**

Reports from the Principal Cities and Towns of the Country.

**Boston.**

**PERMITS.**—The dull season appears to have set in during the past week, the number of permits granted being only six for both brick and wooden edifices. They are as follows: Patrick Proder, naphtha cleaning house, 17' x 17'; John B. Wilson, draw-tender's office, 23' 6" x 16'; and the following dwellings (wooden): Robert H. Barham, John F. Ferguson, and Wm. Messenger.

REPAIRS have been few since our last report.

**Brooklyn, N.Y.**

**BUILDING PERMITS.**—Since our last report the following permits have been issued:—

Ainslie St., one two-and-a-half-story brick dwell., 22' x 42'; owner, S. J. Burrows. Clinton St., cor. 3d Pl., 6 two-story brown stone dwells, 16.8' x 42'; owners, G. S. Wheeler, 426 Fulton St. Elm St., one one-story frame dwell., 25' x 20'; owner, J. Schneider, 43 Debevoise St.; builder, J. Rueger. Hicks St., one (in ten divisions, three entrances) six-story brick stores and tenements, 200' x 28'; owner, A. T. White, Brooklyn Heights; architect, W. Field & Son; mason, T. B. Rutan. Kosciuszko St., 3 two-story brick dwells, 16.8' x 40'; owner, E. D. Phelps, 308 Fulton Ave.; architects, Parfit Bros.; builder, T. Welsh. 22d St., 1 one-story frame shed, 25' x 25'; owner, A. M. White; builder, P. McGowan. Albany Ave., 4 two-story brown stone dwells, 20' x 40'; owner and builder, A. Miller; architect, A. Hill. De Kalb Ave., one three-story frame tenement, 25' x 50'; owner, J. Bunnerwith, 925 DeKalb Ave.; architect, J. Platte; builders, J. Doring and D. Kreuder. Hudson Ave., 1 one-story brick slaughter-house, 42' x 50'; owners, Isaacs & Weil; architect, C. Werner; builders, Marinus & Gill. Myrtle Ave., cor. Broadway, 1 one-story frame car-house, 50' x 130'; owners, B. C. R. R. Co. Tompkins Ave., cor. Madison St., three-story brown stone tenements, 16' and 18' x 45'; owner, E. L. Hennessy, 379 Putnam Ave. Waverly Ave., 5 three-story brick dwells, 15' x 42'; owner and builder, H. Miller; architect, A. Hill.

**Chicago.**

**THE BUILDING DEPARTMENT.**—The report of the workings of the Building Department during the month of November, shows that the receipts were as follows: From 139 permits for 144 structures, \$72; 12 street-obstruction permits, \$12; 15 house-moving permits, \$75; total receipts, \$159. The expenses were \$509. The amount of water-tax certified to by the Building Department and collected by the Water Department was \$269. The 79 buildings for whose construction permits were issued have a street frontage of 2,006 feet; 45 of them are brick, and 34 stone fronts. Their cost was \$344,000; and the cost of additions, etc., built during the month was \$39,500, making a total of \$383,500 for the month's work against \$379,100 for the corresponding period of last year.

**Cincinnati.**

**CATHOLIC CHURCH.**—Bids are now being taken for the erection of a Catholic church on "Walnut Hills." The plans were prepared by F. G. Himpler, architect, of New York City, and provide for a building 85' x 192' outside, with a priests' house adjoining, 41' x 64'. The buildings are to be built of blue limestone from the adjoining hills, with finish of Ohio freestone. The architect has adopted Germanized Gothic for his design. Church inside 61 feet high; is divided into six bays, 17' centres; transepts, 31'; nave, 33'; aisles, 16'; sham clerestory inside, supported on wooden columns; outside, plain roof. Two towers, large one 24' x 24' outside measurement, and 230 feet high. Small tower, 17' x 17', 129 feet high.

**DWELLING HOUSE.**—Mr. N. Ropes is now erecting a building on Sixth Street, between Elm and Plum Streets, from the designs of Jas. W. McLaughlin, architect. The lot is 24' x 100', running through to George Street. Two dwellings on the George-Street front, 40' deep, 3 stories high. Stores with dwelling above for the Sixth-Street building which is 50' deep, leaving an area 10' for light between the buildings, which is widened to 14' above the first floor. The Sixth-Street front is four stories high, built of Philadelphia press brick, black mortar, and presents a neat appearance.

**Ottawa, Can.**

Building operations have been almost at a stand-still during 1877, owing to the hard times. There are now 1,350 vacant dwelling-houses within the city limits. The following list includes the most important buildings, the current year, and comprises little other than "home-steads":—

**Wellington Ward.**—W. H. Thompson, \$7,500; Baptist Church, \$20,000; Dr. Woods, \$2,500; W. Kerr, \$5,000; W. J. Lynch, \$1,600; W. Gallagher, \$8,000; Dr. Wood, \$2,500; W. Kerr, \$5,000; W. Shoobred, \$3,000; N. Bate, \$4,000; J. Green, \$600; D. Masson, \$3,000; W. T. Ferguson, \$1,500; J. Miles, \$1,100; J. Martin, \$650; W. George, \$750; P. A. Macdougall, \$3,000; M. Ryan, \$1,500; Mrs. C. Mahar, \$600; L. Cluff, \$2,250; Mr. McKeown, \$600; R. R. Barber, \$1,500; E. Barr, \$1,200; H. Staker, \$1,500; M. C. Sullivan, \$1,400; H. A. Cluff, \$2,300; Ald. Lang, \$7,000; Champness Estate, \$1,500; Dr. McGillivray, \$2,300; A. Pelton, \$1,400; J. Purdy, 1,700; W. W. Market, \$10,000; Dr. Baptie, \$1,500; Mrs. S. Adams, \$1,600; R. J. Rodden, \$1,500; Rev. Father Collins, \$2,750; "Buffalo" Heney, \$5,100; Separate School, \$4,000; F. Mather, \$6,000; J. Burritt, \$5,000; T. Birkett, \$800; T. Beament, \$5,600. **Victoria Ward.**—J. G. Wilson, \$700; H. Boucher, \$1,250; Ice-house, \$500; J. R. Booth, \$2,000. **St. George's Ward.**—T. Condell, \$2,800; T. Starmer, \$2,800; Ald. Birkett, \$4,600; Dr. Sweetland, \$4,200; Dr. Robillard, \$1,000; W. Williams, 1,700; J. Johnson, \$2,100; Mrs. Suther-

land, \$8,000; T. Hiffe, 7,500; Separate School, \$1,500; Mrs. Paynter, \$650; J. Turnbull, \$800; T. Rajotte, \$200; W. A. Hinesworth, \$5,000; J. R. Audy, \$5,000; R. Lemoine, \$5,000; T. P. French, \$5,000; T. R. Kirkpatrick, \$2,500; W. Findlay, \$400; J. Mather, \$6,000; T. Cowan, \$2,000; W. Finch, 3,400; R. Moxley, \$750; R. Montgomery, \$2,000; T. W. Currier & Co., \$1,000; House on By Estate, \$800. **By Ward.**—Institut Canadien, \$20,000; J. Boyden, \$1,100; R. Hamilton, \$1,050; P. Conway, \$3,450; B. Dunning, \$700; W. J. Mills, \$5,000; Dufferin Primary School, \$3,500; Anglesca Square Market, \$1,200. **Ottawa Ward.**—Cathcart Square Market, \$1,200; H. Carling, \$1,500; Dr. Henderson, \$800; H. McGuire, \$2,100. **Recapitulation.**—Wellington Ward, \$150,650; Victoria Ward, \$4,450; St. George's Ward, \$75,500; By Ward, \$37,000; Ottawa Ward, \$5,600.

**Philadelphia.**

**BUILDING PERMITS.**—The following permits have been issued since our last report:—

J. Mander, three-story store and dwell., 18' x 60', cor. Second and Dauphin Sts.; M. Cooney, two-story dwell., 15' x 40', Nicholas St.; Wentz & Schriber, two-story stable, 18' x 18', Warnock St.; E. Willard, 8 two-story dwells, 14' x 12', Clearfield St.; A. W. Shinn, 2 two-story dwells, 16' x 23', Garden St.; A. Schriber, three-story shop, 16' x 42', Mechanics St. s. of Diamond; P. Kredel, two-story shop, 20' x 30', cor. Poplar and Tandy Sts.; C. Mehler, two-story stable, 20' x 30', Marshall St.; T. Fleming, 7 two-story dwells, 13' x 42' and 14' x 42', Boudinot St.; R. H. Clifford, one-story store, 18' x 20', Germantown Ave.; C. R. Vansant, one-story addition to store, 16' x 22', No. 1341 Chestnut St.; J. Colwell, two-story store and dwell., 20' x 44', cor. 6th and Girard Ave.; R. J. Robbins, two-story stable, 32' x 86', Wood St.; R. J. Robbins, two-story factory, 70' x 75', Twenty-third St.; A. F. Slate & Co., one-story office, 12' x 15', Girard Ave.; L. Snyder, two-story back building, 16' x 15', Twelfth St.; J. Greenwood, two-story back building, 14' x 16', Church St., Manayunk; Sherry & Dawson, 9 two-story dwells, 14' x 42', Twentieth St.; J. Charles, two-story back building, 12' x 12', No. 621 Dickinson St.; H. Starr, 3 two-story dwells, 16' x 46', cor. Eighteenth and Fernon Sts.; E. Morris & Co., one-story factory, 12' x 18', No. 227 Levant St.; D. Fitzpatrick, two-story back building, 12' x 24', No. 627 Tenth St.

**REVIEW OF THE MONTH.**—The whole number of permits issued by the Building Inspectors during the month of November, 1877, for improvements and new structures, was 411, as follows: Dwells., two-story, 168; do. three-story, 46; do. four-story, 6; stores and dwells, two-story, 57; do., three-story, 51; stables, 18; offices, 4; factories, 7; store-house, 1; churches and chapels, 2; boiler-houses, 7; engine-houses, 3; ice-houses, 2; sheds, 2; warehouse, 1; railroad station, 1; dye-house, 1; bleaching-house, 1; and slaughter-house, 1.

**MARKET HOUSE.**—At Brown-street wharf, on the Delaware, a new market-house is soon to be erected.

**St. Louis.**

Twenty-four permits have been issued for the week ending Dec. 7. Fifteen of these are for frame structures worth from \$10 to \$500. The rest are for brick buildings, values from \$100 to \$6,000. Those worth \$2,500 and over are as follows:—

W. Sellers, dwell., 2 stories, 25 rooms, cost 4,000. P. J. J. O'Connor, dwell., 3 stories, 10 rooms, cost \$6,000.

**RACING STAND.**—The St. Louis Jockey and Trotting Club, J. L. January, president, have contracted for erecting an audience pavilion and judges' stand at their park, outside the city limits, to cost about \$4,800.

**FACTORY.**—The St. Louis Stamping Company is erecting a new five-story brick building, corner of Cass Avenue and Second Street.

**General Notes.**

**ASHLAND, ILL.**—Brick store-building, 20' x 70', two stories high; cost \$2,200. S. L. Hamilton, owner; George H. Helmle, Springfield, Ill., architect.

**AUGUSTA, GA.**—A cotton-seed factory is building here.

**BRISTOL, CONN.**—Building operations are not entirely suspended. Several dwelling-houses are building. The National Bank building is very nearly completed, and will be ready for occupancy in about two weeks.

**CAMBRIDGE, ILL.**—Henry County will build a new court-house, to cost \$75,000. Architects are invited to send in plans by next January.

**EVANSVILLE, IND.**—For the completion of the Post Office \$45,000 is asked for.

**HARTFORD, CONN.**—Messrs. Boardman & Sons are building a new block, nearly opposite their present place of business on Asylum Street, which will have a frontage of 37 feet, a depth of 83, and be five stories and a basement in height in the front, and six stories in the rear. It is to be of pressed brick, with Ohio stone finish, and will have string-courses of ornamental brick. There will be two stores with basements; and the other floors will be finished off in flats for dwellings, or divided into offices, as tenants may require. The block is to be finished in April. E. S. Warren is the architect, and Porter Whiton the builder.

**JOPLIN, MO.**—The white-lead works at Joplin, Mo., are to be enlarged at once to three times their present capacity, by the erection of two additional bag rooms.

**MERIDEN, CONN.**—Two three-story brick factories will be built here next spring; one by Bradley & Hubbard, 400 feet long, and one by C. Rogers & Brothers, 100 feet in length.

**NASHVILLE, TENN.**—An appropriation of \$175,000 is asked for the continuation of work on the Post Office.

**PARKERSBURG, W. VA.**—For the completion of the Post-Office \$15,000 is asked.

**ROCHESTER, ILL.**—Block of brick store-buildings, 66' x 80', two stories high, Masonic Hall in second story; cost \$7,000. C. Carter & Co., and C. Tracy, owners. George H. Helmle, Springfield, Ill., architect.

**SALISBURY, CONN.**—A \$1,000 soldiers' monument is to be made out of iron ore, and \$150 have been already subscribed for that purpose.

**SHERMAN, ILL.**—Frame cottage, containing seven rooms; cost \$1,500. Mrs. Sarah McKoberts, owner; George H. Helmle, architect, Springfield, Ill.

**SPRINGFIELD, ILL.**—The ground has been broken on Jefferson Street, between Fourth and Fifth Streets, for the Illinois Freie Press building, stone front, six 20' x 80', two stories high; cost \$3,530. Fred Gehring, owner; George H. Helmle, architect.

**STILLWATER, MINN.**—Two large flour mills are being

erected; one by the Stillwater Mills Company, the other by Isaac Staples.  
**STOLERVILLE, PENN.**—The corner-stone of a new Lutheran church was laid Nov. 4.  
**TORONTO, CAN.**—There is to be a new Presbyterian church, with Sunday school attached, on Gerrard Street.  
**YAZOO CITY, MISS.**—There is talk of building a theatre in this city.  
**WHARF.**—A large wharf is to be built by Pennsylvania Railroad, on the Delaware below Wall Street.  
**WILLIAMSVILLE, ILL.**—“Locust-Lane” M. E. chapel, frame, size 36' x 50'; cost \$2,000. George H. Helmle, Springfield, Ill., architect.

**INDEX OF CURRENT WORK.**

Giving information concerning important buildings now unfinished.

**Albany, N.Y.**  
**BREWERY.**—Quinn & Nolan, owners. W. Dickson, architect. Cost \$300,000.  
**POST-OFFICE.**—James G. Hill, Supervising Architect of the Treasury Department.

**Baltimore, Md.**  
**CHURCH.**—M. E. Church. Cost \$10,000.

**Boston, Mass.**  
**CHURCH.**—Cost \$75,000. Mr. John Welch, architect, Brooklyn, N.Y.  
**HOTEL.**—Hotel Sumner. E. B. Horn, owner. Messrs. Appleton & Stephenson, architects, Boston, Mass.  
**HOTEL.**—Hotel Comfort. \$30,000. L. Weissbein, architect. W. Shreve, owner.  
**HOTEL.**—Creighton House. C. Fehmer, architect.  
**POST-OFFICE.**—James G. Hill, Supervising Architect Treasury Department.  
**SCHOOLHOUSE.**—High and Latin School. G. A. Clough, architect.

**Brooklyn, N.Y.**  
**CONCERT GARDEN.**—F. H. Coles, architect. Cost \$50,000.  
**HOSPITAL.**—Church Charity Foundation of the Protestant Episcopal Diocese of Long Island. N. L. Derby, architect, New York.  
**JAIL.**—Mr. Mundell.  
**TENEMENT.**—A. T. White, owner. William Field & Son, architects.

**Chicago, Ill.**  
**APARTMENT HOUSE.**—D. Wells, owner. C. T. Thomas, architect. \$24,000.  
**CHURCH.**—Jefferson-park Presbyterian. J. C. Cochrane, architect.  
**STORE.**—D. W. Kendall, architect. \$32,000.

**Cincinnati, O.**  
**AQUARIUM.**—Jas. W. McLaughlin, architect.  
**MUSIC HALL.**—Hannaford and Procter, architects.  
**STORE.**—Ahnis & Doepeke, owners. Hannaford and Procter, architects.  
**STORES.**—G. P. Humphries, architect. \$10,000.  
**STORE.**—H. Six, owner. A. C. Nash, arch't. Cost \$30,000.

**Cleveland, O.**  
**CONVENT.**—Ursuline Academy. L. A. Heard, architect. \$120,000.  
**CHURCH.**—Heights Cong'l Church. Walter Blythe, arch't.  
**CHURCH.**—Woodland avenue Presbyterian. F. S. Barnum, architect. \$10,000.  
**BLOCK OF STORES.**—Corner Erie Street and Woodland Avenue. Griese and Weile, architects and builders.  
**PUBLISHING HOUSE.**—Evangelical Publishing Association. \$45,000. J. M. Blackburn, architect.

**Hartford, Conn.**  
**TRINITY COLLEGE.**—F. H. Kimball, supervising architect.  
**ORPHAN HOME.**—F. H. Kimball, architect.  
**CATHEDRAL.**—R. C. Cathedral of St. Joseph. P. Keely, architect.

**New York.**  
**ARMORY** for the Seventh Regiment. \$300,000.  
**CONVENT** OF THE SISTERS OF ST. JOHS.—E. G. Littell, arch't.  
**CHURCH.**—Grace Church. W. T. Beers & Son, architects. \$30,000.  
**CHURCH.**—Roman Catholic Church, West Fifteenth Street. Cost \$150,000.  
**ORIENT INSURANCE COMPANY'S BUILDING.**—A. H. Thorp, architect. \$125,000.  
**QUEEN'S INSURANCE COMPANY'S BUILDING.**—Clinton & Piffson, architects. \$100,000.  
**STORE.**—G. Thomas, architect. Cost \$20,000.

**Philadelphia.**  
**CHURCH.**—Central Presbyterian. Collins and Audenreith, architects. G. Watson, builder.  
**HOSPITAL.**—Presbyterian Hospital. Wilson Bros., arch'ts.  
**OFFICE BUILDING.**—Girard Trust.  
**THEATRE.**—Chestnut-street Theatre.

**Washington, D. C.**  
**STATE DEPARTMENT BUILDING.**—Col. Casey of the Engineers superintending.  
**COLLEGE BUILDING FOR THE DEAF AND DUMB ASYLUM.**—F. C. Withers, architect. Cost \$50,000.  
**CHILDREN'S HOSPITAL.**—J. C. Harkness, architect. J. G. Naylor, builder.

**General.**  
**AKRON, O.**—First Universalist Church. \$35,000. F. O. Weary, architect.  
**ANDERSON, IND.**—Asylum. M. E. May, architect, Indianapolis, Ind.  
**ANN ARBOR, MICH.**—Court-house. Mr. Bunting, architect, Indianapolis, Ind.  
**ARCADIA, WIS.**—Court-house and Jail. C. G. Maybury, architect, Winona, Minn. \$25,000.  
**BALTIMORE, MD.**—Church of St. Michael and All Angels. \$80,000. Wyatt & Sperry, architects.  
**BELFAST, ME.**—Masonic Temple. G. M. Harding, architect, Boston, Mass.  
**BLOOMFIELD, IO.**—Court-house. Larkworthy & Mead, cont's.  
**BUFFALO, N.Y.**—St. Peter's Evangelical Church. M. E. Beebe, architect.  
**CHATTANOOGA, TENN.**—Court-house. A. C. Bruce, Knoxville, Tenn., architect.  
**CHESTER, ILL.**—Prison. Baltes & Nelson, contractors. Cost \$5,000.  
**COVINGTON, KY.**—Schoolhouse. H. Bevis, Cincinnati, architect. \$25,000.  
**DES MOINES, IO.**—State House. Bell & Hackney, supervising architects.  
**EVANVILLE, IND.**—Block for Vickery Bros. Vrydagh & Clarke, architects.  
**FARIBALT, MINN.**—Deaf, Dumb, and Blind Asylum. J. Babcock & Co., contractors. \$53,730.  
**GALVESTON, TEX.**—Cotton Exchange. Gibbs & Moser, architects.  
**GARDEN CITY, L.I.**—Stewart Memorial Church. H. G. Harrison, architect.  
**GEORGETOWN, D.C.**—College Building. Smithmeyer & Pelz, architects.  
**GOSHEN, IND.**—Opera House. \$22,000. Noble & Son, owners.  
**GREENSBURG, IND.**—Hotel. \$15,000. Ketcham & Gibson, architects, Indianapolis.  
**HOBOKEN, N.J.**—St. Matthew's Church. Mr. H. Englebert, architect, New York.

**JERSEY CITY.**—Catholic College. L. O'Connor, architect.  
**JOLIET, ILL.**—St. Mary's (Roman Catholic) Church. Mr. Kelly, architect, Brooklyn.  
**KANKAKEE, ILL.**—Insane Asylum. J. R. Willett, architect.  
**KANSAS CITY, MO.**—Union Depot. Bernard Malone, contractor. \$100,000.  
**KINGSTON, N.Y.**—Armory for the 20th Regiment. W. W. Goodrich, architect.  
**LYNN, MASS.**—First Methodist Church. \$40,000. W. G. Preston, architect. J. F. Kibbey & Son, contractors.  
**MARLBOROUGH, MASS.**—Hotel. J. B. Booth, owner.  
**NEWPORT, R.I.**—Residence of P. Lorillard. \$30,000.  
**NOBLESVILLE, IND.**—Court House. A. G. Cammield, Winchester, Ind., contractor.  
**NORTHAMPTON, MASS.**—Dormitory for Smith College.  
**OIL CITY, PENN.**—Exchange. \$75,000. J. M. Budge, Jun., architect.  
**OTTAWA, ILL.**—Holy Trinity (R. C.) Church. H. C. Furness, architect. \$150,000.  
**PITTSBURGH, PENN.**—Barrel Factory for the Standard Oil Co. Cost \$100,000.  
**PORT CHESTER, N.Y.**—Dwelling. E. B. Wesley, owner. W. T. Beers & Son, architects. \$45,000.  
**PROVIDENCE, R.I.**—Dormitory for Brown University. Stone & Carpenter, architects.  
**ROME, GA.**—Shorter Female College. J. A. Cooley, cont'r.  
**SACRAMENTO, CAL.**—Masonic Hall. Carle & Croly, cont'rs.  
**SING SING, N.Y.**—Methodist Church. Cost \$48,000.  
**SPRINGFIELD, ILL.**—State House. J. C. Cochrane, architect.  
**JAIL.** G. H. Helmle, architect. \$35,000.  
**ST. JOHNSBURY, VT.**—North Church. Cost \$56,000.  
**ST. LOUIS, MO.**—Hospital. Rev. E. A. Schindler. \$10,000.  
**WABASH, IND.**—Court-house. B. V. Enos & Son, architects. Cost \$100,000.  
**WATERBURY, CONN.**—Methodist Church. \$40,000.  
**WATERGAY, ILL.**—Court-house. H. C. Koch, architect. Cost \$40,000.  
**ZANESVILLE, O.**—Hotel. H. E. Myers, architect. Black & Graham, owners. \$75,000.

**Drawings for the American Architect and Building News.**

Architects and architectural draughtsmen who desire to contribute drawings for publication will find the following facts of use:—  
 Only pen-and-ink drawings, without brush-work of any kind, can be reproduced.  
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 The ink should be black and of uniform strength.  
 The lines should be firm, sharp, not too coarse, and not unintentionally broken.  
 Shading and hatching lines must not be too close and crowded, especially where a large surface is to be shaded.  
 It is very desirable that plans should accompany the drawings.  
 Drawings of details both constructional and ornamental are also desirable.

**Publishers' Department.**

THE AMERICAN ARCHITECT AND BUILDING NEWS is published every Saturday, at \$7.50 per year, or \$6.00 if paid in advance. Single copies, 15 cents.  
 Advertisements, on page 1 and pages next to editorial matter, 12 1-2 cents per line (agate), or \$1.75 per inch (14 lines) for one insertion. One inch, one month, \$7.50; three months, \$20.00; six months, \$40.00; nine months, \$52.50; one year, \$70. Other pages, 10 cents per line, or \$1.40 per inch, one insertion. One inch, one month, \$3.00; three months, \$16.00; six months, \$30; nine months, \$45.00; one year, \$65.00.  
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**BUILDING SPECIALTIES.**

—A novelty in the sanitary line, says the New York Evening Post, has recently been invented by George Jennings of London, whose many specialties in plumbing goods have for their object cleanliness, durability, and the thorough exclusion of sewer-gas from dwellings. Mr. Jennings's latest invention is a Trapless Water Closet having a side outlet, and constructed with a view of making it, so far as possible, a sanitary closet. The cautions given to the public by the newspapers of the dangers of sewer-gas would seem to make the various sanitary contrivances at 94 Beekman Street, New York, of present interest, and worth at least the trouble of an inspection.  
 —A very fully attended meeting of the Western Nail Association was held at Pittsburgh on Wednesday. The price of nails was advanced to \$2.35 per keg, 10 per cent per keg off in 200 keg lots, and 2 per cent off for cash. A curtailment of the production was agreed upon.  
 —The Sutherland Falls (Vt.) Marble Company is one of the largest and most complete establishments for quarrying, sawing, and finishing marble now running in the United States. The late improvements consist of a new two-story stone mill, with twelve gangs of saws, new buildings for turning-rooms, etc., making thirty-six gangs of saws, two rubbing-beds, ten turning-lathes, now in operation, besides other new machinery.

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PROPOSALS.

PLASTERING.

Proposals for plastering the U. S. Court House and Post Office at Lincoln, Neb. OFFICE OF THE SUPERVISING ARCHITECT, TREASURY DEPARTMENT, WASHINGTON, D.C., Nov. 30, 1877.

IRON BEAMS.

Proposals for Rolled Iron Beams for fourth tier, third floor, of the U. S. Custom House at Cincinnati, O. OFFICE OF THE SUPERVISING ARCHITECT, TREASURY DEPARTMENT, WASHINGTON, D.C., Nov. 30, 1877.

BOILER IRON.

Sealed proposals, indorsed on envelope "Proposals for Boiler Iron," will be received at this Bureau until 12 o'clock, M., on MONDAY, Dec. 17, 1877, for about 185,000 pounds of boiler iron, to be delivered in the Washington Navy Yard, and about 75,000 pounds boiler iron to be delivered in the Norfolk Navy Yard, subject to inspection and test, on or before Jan. 16, 1878.

JAIL AND JAILER'S RESIDENCE.

Sealed proposals will be received at the auditor's office in the city of Mount Vernon, Posey county, Indiana, until two o'clock, P. M., Thursday, Dec. 20, 1877, for building a jail and jailer's residence attached thereto in the city of Mount Vernon, county of Posey, and State of Indiana, according to the plans and specifications as prepared by Vrydah & Clarke, architects, which are on file in the auditor's office of said County, where they can be seen on and after this date.

CURBSTONES, FLAGGING, AND GUTTERS.

Sealed proposals will be received at the office of the Board of Public Works until 12 o'clock noon of Saturday, Dec. 22, A. D. 1877, for grading, curbing, flagging, and lining gutters, macadamizing the roadway, and constructing the necessary culverts, drains, or retaining-walls, according to specifications on file in the office of the Board of Public Works, Madison Street, from Curry Street to Hammond Street.

PROPOSALS.

MARBLE TILES.

Proposals for marble tiling for halls and corridors of the United States Court House and Post Office at Raleigh, N. C. OFFICE OF THE SUPERVISING ARCHITECT, TREASURY DEPARTMENT, WASHINGTON, D.C., Dec. 11, 1877.

PRODUCE EXCHANGE.

Sealed proposals will be received by the Board of Directors of the Toledo Produce Exchange, from and after Dec. 3, until Dec. 17, 1877, at 12 o'clock noon, for building the new Produce Exchange building in the city of Toledo, O., in accordance with plans and specifications which can be seen at Room 16, Campbell's Block, Toledo, O., from 9 o'clock A. M., until 6 o'clock, P. M., each business day.

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Sealed proposals will be received at the office of the Board of Public Works until 12 o'clock noon of Saturday, Dec. 22, A. D. 1877, for grading, curbing, flagging, and limestone gutters, macadamizing the roadway, and constructing the necessary culverts, drains, or retaining-walls, according to specifications on file in the office of the Board of Public Works, Madison Street, from Curry Street to Hammond Street.

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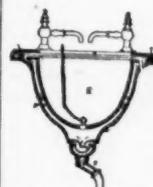
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Table with multiple columns listing various services and companies such as ARCHITECTS, DECORATORS, HEATING APPARATUS, ROLLING VENETIAN BLINDS, etc.

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We invite the careful attention of dealers in building materials and building appliances to the following letters, indorsing the AMERICAN ARCHITECT AND BUILDING NEWS, which came spontaneously from the professional gentlemen whose names are appended thereto:—

Messrs. JAMES R. OSGOOD & Co., Publishers, Boston:

Gentlemen,—At the close of the first year of the American Architect and Building News we desire to express our satisfaction at its establishment, and at the way in which it has been conducted. The excellent literary character it has maintained is calculated to commend it to persons of intelligence and culture outside the profession; and by thus interesting the general public in professional matters at the same time that it presents them from a strictly professional point of view, it is doing both the profession and the public the greatest service.

It would be a great gratification to us if it could also be made, as it deserves to be, the customary and recognized channel of communication, through its correspondence and its advertising columns, between architects, the makers of building-appliances, and the public. This would be a personal convenience indeed to ourselves, as the pages of the journal are more handy and easy of reference than cards and circulars. You are at liberty to make any use of this communication that you may judge best adapted to forward the interests of the journal,—interests which are, in our judgment, also those of the profession itself. Wishing it every prosperity, we are, Very respectfully yours,

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PHILADELPHIA CHAPTER OF THE AMERICAN INSTITUTE OF ARCHITECTS. PHILADELPHIA, May 14, 1877.

Messrs. JAMES R. OSGOOD & Co., Boston, Mass. Dear Sirs,—Being impressed with the satisfactory manner in which you are conducting the "American Architect and Building News," we deem it proper to express to you our high appreciation of the work.

While its professional character, and the technical information it conveys, render it indispensable to practising architects, the decided literary tone with which it is invested cannot fail to commend it to intelligent and cultivated minds outside of the profession, thus rendering it the means of promoting a general diffusion of knowledge relating to our art.

It is obvious that whatever tends to bring architects and their patrons into intelligible relationship must necessarily subserve the interests both of the profession and the general public; and being of the opinion that the American Architect and Building News is well calculated to produce important results in that direction, we take pleasure in extending to it our hearty indorsement.

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Thomas ...
John ...
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PHILADELPHIA.

Vertical handwritten note on the right side of the page, partially overlapping the Philadelphia section.



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CENTENNIAL MEDAL AND DIPLOMA.  
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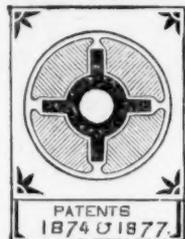
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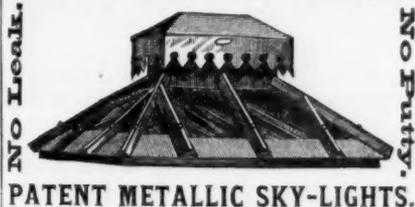
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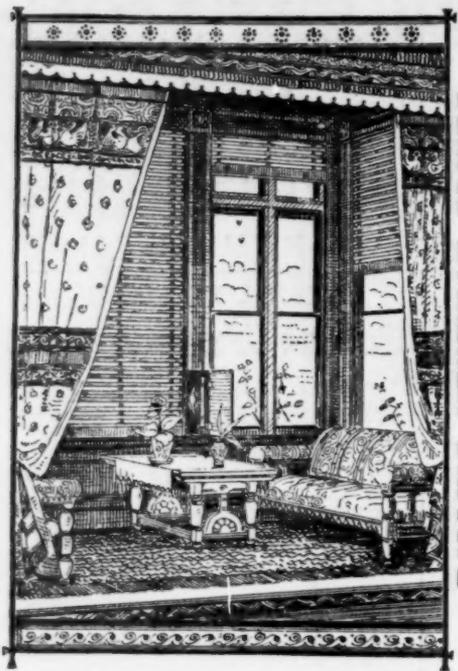
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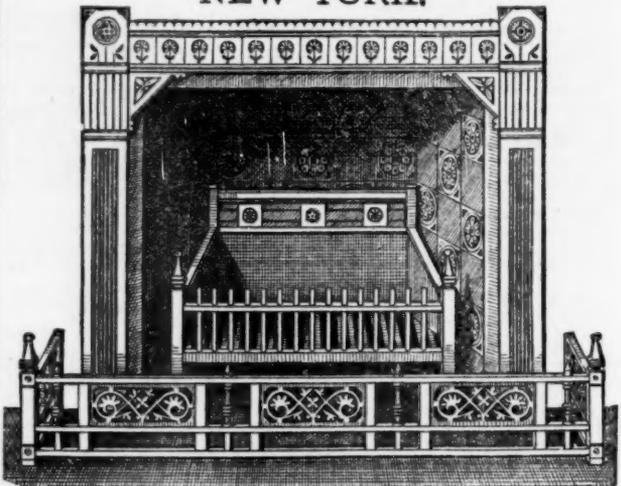




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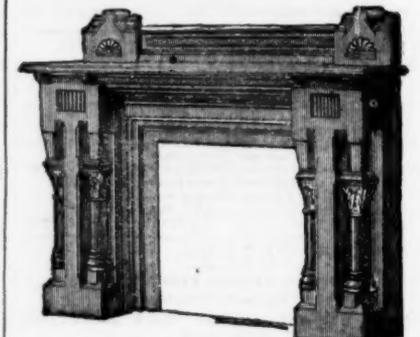


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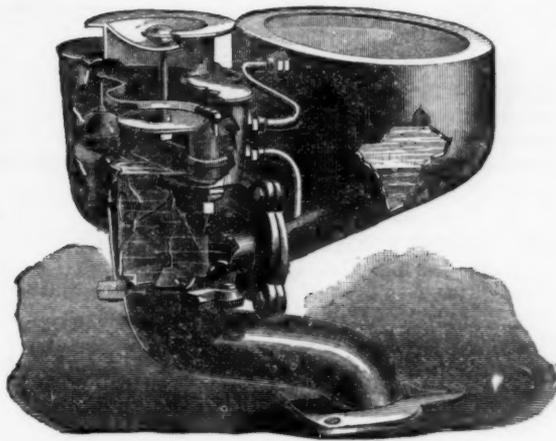


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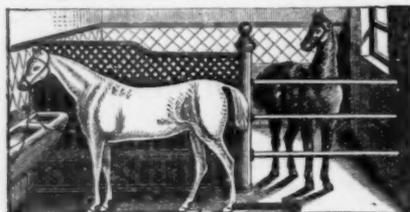
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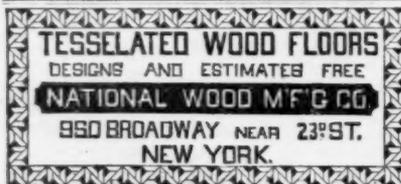
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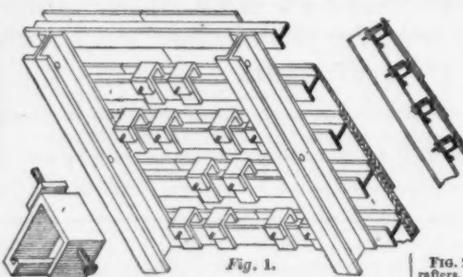


FIG. 1. The above invention relates to the manner of securing slates to iron roofs. It consists of a bent plate of suitable metal, which hooks around or under the purlins on which the slate rests, and is provided with a bolt passing through it and the bent plate, one end of the bolt having a head, which is countersunk in the upper side of the slate, the other end of the bolt being secured by a nut, or otherwise.

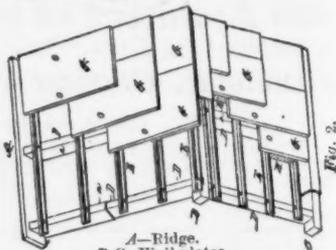
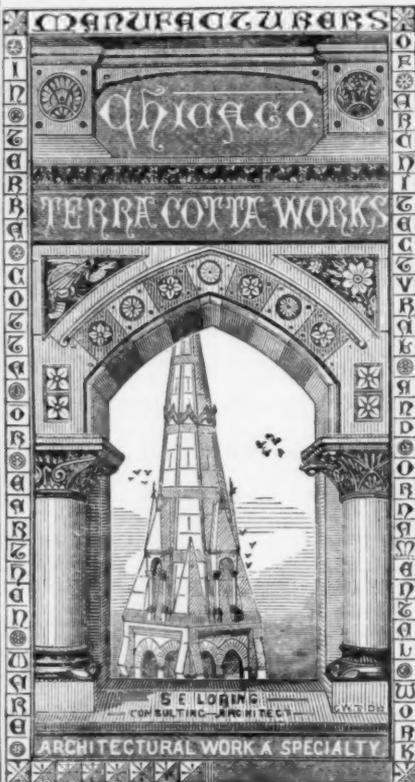


FIG. 2. This invention consists of a roof composed of wooden rafters, (D) covered with sheet metal (e) or other fire-proof material, and iron purlins (c) or beams, with the slates (G) or other covering secured thereto by claps, (FIG. 1) or in any other suitable manner, in connection with a fire-proof cement, (H) or composition rendered or laid within the space enclosed by the rafters and purlins immediately under and in contact with the slates or a covering of the roof, by which construction the roof boards are dispensed with, and a roof is produced thoroughly fire-proof at every point, avoiding condensation, contraction and expansion of roofs formed wholly of iron.



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SAFETY ELEVATORS FOR INVALIDS  
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# THE AMERICAN ARCHITECT AND BUILDING NEWS.

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An Illustrated Journal of Architecture, Construction, and Interior Decoration.

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## PROSPECTUS FOR 1878.

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It is the purpose of the publishers to make the AMERICAN ARCHITECT AND BUILDING NEWS useful not only to architects and builders, but to engineers, students, and amateurs, who are interested in building or in any of the arts connected with it. To this end they hope from year to year to add to its interest and fulness, preserving such features as have shown themselves valuable, and adding from time to time such new ones as promise to be of service to their readers. As hitherto, they invite the co-operation of architects, artists, and manufacturers, to assist them in furnishing material that will enhance the value of their paper to its subscribers. Its literary columns will be open for the discussion of all topics which come within its general scope, and its illustrated pages for all subjects of interest in building or decorative art. It is the wish of the publishers to draw their contributions from the widest possible circle.

The paper will continue during the coming year to furnish a summary of important events and discussions on architectural matters, not neglecting the departments of historical and archaeological discovery, with leading articles on such subjects as deserve special attention. It will have, as usual, contributed articles from writers of standing, special correspondence from the principal cities, building news from all points of interest, and price-lists of building materials from the chief markets of the United States.

It will give, as heretofore, special attention to the departments of sanitary science and decorative art, including furnishing, as well as to matters that pertain to technical education in architecture and construction. The series of papers on perspective which were promised a year ago are nearly ready, and will be begun early in the year. The publishers also propose to establish a series of prizes for designs in furniture or decoration by draughtsmen and decorators, the designs to be for subjects suggested in the AMERICAN ARCHITECT AND BUILDING NEWS, the prizes to be adjudged by a competent jury, and the best of the drawings to appear in the paper. An early announcement will be made of the details of the scheme. They have it in mind also to provide a series of comparative papers on the different modes of building construction in use in various parts of the United States, believing that such a comparison cannot fail to be useful in improving and harmonizing the practice of building throughout the country.

To make the illustrated pages of the paper as good as possible, the publishers appeal to architects, designers, and draughtsmen throughout the country, reminding them that it is impossible for the editors to know where all the material that would be valuable to their paper is to be found, and that they look to voluntary contribution as a great source of supply. For encouragement in this point they refer with confidence to the mechanical execution of their reproductions, which, improving steadily from the beginning of their enterprise, has reached an excellence that they may fairly claim is not surpassed in its kind by any of its fellow-journals at home or abroad. The illustration of foreign subjects, either modern or historical, which has proved interesting and valuable to the readers of the paper, will be continued and improved.

The publishers begin their third volume with thanks to their patrons for the continuous advance of the paper both in its circulation and its advertising clientage, and with confident expectation of still greater success to come.

## BUILDING INTELLIGENCE.

[Reported for the American Architect and Building News.]

### BUILDING PATENTS.

**AIR REGISTER.**—Norma K. Joyce, Brooklyn, N.Y.  
**ICE-FLOW FOR REFRIGERATOR BUILDINGS.**—John C. de la Vergne, Jersey City, N.J. In what the peculiar merit of this invention lies we cannot conceive, as it is apparently an ordinary gutter, whose pitch is regulated by a sliding crutch, the whole resting between ordinary joists.

**STOVE-BOARDS, PLATFORMS, ETC.**—Henry L. Palmer, N.Y. A sheet-metal cover is secured by its turned-down edges to a mat or tablet of a non-conducting substance.

**BACK-WATER TRAPS.**—Ludwig Brandels, Brooklyn, N.Y. Apparently a square trap with an inclined bottom, which is divided into two portions by a swinging valve suspended from the top and divided into horizontal parts, hinged together, so as to be easily affected by the flow of sewage.

**PICTURE NAILS.**—William Gross, New York, N.Y. The nail has a tapering shank and broad flat base; it is furnished with centre rib, whose cutting edge tapers from the point to the head, and so prevents drawing.

**COMBINED LOCK AND LATCH.**—John Vetter, Springfield, O.

**Basin Stopper.**—H. W. Carnes, Brookline, Mass. The stopper is hinged at the bottom of the basin, and is lifted or closed by a slightly projecting lever arm.

**GATE LATCHES.**—William H. Carpenter, St. Joseph, Mo.

**SASH-HOLDER.**—David O. Hink, Maryville, Mo.

**ROOFS.**—Samuel H. Reed, Greensburg, Penn. A flat roof covered with sheet lead with rolled joints. The peculiarity of the invention is a gutter on the flat, formed by an upright fold in the lead. Rather a useless device, and one likely to conduce to leaky roofs.

**DOOR-CHECKS.**—Justus A. Traut, New Britain, Conn. A buffer with elastic head and metal body has secured to it and resting on the floor a flat projecting metal spring, whose free end is slightly curved upwards and forms a projection which holds the door against the buffer as soon as it is released from the pressure of the door.

**DOOR-CHECKS.**—Charles S. Whipple, New London, Conn. This check is a variety of stop-latch.

**BLINDS.**—Abram Allen, Lansing, Mich. The slats, the opposite sides of which, near their edges, are provided with rabbets formed parallel to the sides of the slats, and with right-angular lips in combination with a connecting-rod, which is connected to the several slats by means of staples secured to the upper edges of the slats and to the connecting-rod, whereby the staples are received in the rabbets, and the connecting-rod has full bearing on the flat surface of the slats when the same are in a closed position, substantially as described.

**MODES OF UTILIZING WATER-POWER IN SEWERS.**—Lorenz Bargmann, St. Louis, Mo. Apparently the water from a common sewer is drained off by a grated pipe into a reservoir inside of a building, whence it passes to a water-wheel which it puts in motion, and re-enters the common sewer again at a lower level.

**REVERSIBLE LATCHES.**—John A. Brook, New Haven, Conn.

**COMBINED SHUTTER-FASTENER AND BOWER.**—J. M. Crawford, Philadelphia, Penn. The shutter-fastener consists of two brackets which are brought together when the shutters to which they are applied are closed, and form a truss, one of the brackets being provided with a hinged or yielding side.

**LOCK-HINGES.**—Charles J. Ferguson, Philadelphia, Penn. A pivoted thumb-lever on the jamb or window-frame, carrying at its outer end a polygonal socket, moves up and down in vertical plane, and engages a correspondingly shaped cap on the moving flap of the hinge. There is also a suitable latch to hold the inner extremity of the lever up and the outer one down, to prevent tampering with the locking device from the outside.

**DRIP-TRAYS FOR WATER-CLOSET BOWLS.**—C. Harrison, New York, N.Y. The drip-tray has a central opening, conforming to the shape of the top of a water-closet bowl, and is strengthened by an angular projection on its lower side in which a recess can be formed, and the two secured together by a tongue and grooved joint.

**PORTABLE DERRICKS.**—Michael F. Lyons, New York, N.Y. This is a balance derrick, the counter-poising weight being supported on the platform which receives the foot of the derrick, the whole revolving on a circular railway, or moving upon a straight railway. The position of the weight upon the platform can be changed.

**PAVING COMPOSITION.**—Lorenzo P. Teed, Erie, Penn. Blocks are made of a combination of lime, sand, gravel, and tar, cast in moulds, and allowed to cool.

**DOOR-FASTENINGS.**—George A. Varney, Rockwood, Mich. By the action of two slotted horizontal bars on the inside face of a door, vertical bars whose heels are pivoted in the slot and move only in that plane, are forced into or withdrawn from staples at top or bottom.

**SASH-FASTENERS.**—Moses N. Ward, Cedar Rapids, Io.

**FIRE-ESCAPES.**—William Winkless, Newport, Ky.

### COMPLETED BUILDINGS.

**NEW YORK.**—The new building of the American Museum of Natural History was opened by President Hayes upon the 21st of this month.

**BOSTON, MASS.**—On Dec. 16, the new R. C. church of St. Mary's was dedicated, which has been built after the designs of Mr. P. C. Keely of Brooklyn. The church, which will seat 1,300 persons, has cost about \$200,000. It is built of brick with granite finish. It measures about 198' x 84', and its facade is flanked by two towers 22' square and 170' high.

**NATICK, MASS.**—The new Episcopal Church, which was begun in 1873 and completed in 1875, was consecrated Dec. 13. The church is 28 by 62 feet, with a seating capacity of 250 persons. It cost about \$7,000; and within a month \$3,833 has been raised, and the entire debt paid.

**LEWISTON, ME.**—The new Music Hall in Frye Block,

owned by Congressman Frye and others, was dedicated Dec. 17. The architect is Mr. John A. Fox of Boston; the stage machinery is by Mr. Fred. W. Mozart, and the decorations by Mr. Frank H. Smith, both of Boston. Seats have been put in for 1,310 people.

**HANOVER, N.H.**—The new schoolhouse was dedicated on Saturday, Dec. 15. It has cost about \$10,000.

### A RECORD.

Showing how buildings recently burned are to be replaced.

**EAST JAFFREY, N.H.**—The new building for the Monadnock Bank, which is to replace the one burned last spring, is nearly finished. It is a one-and-a-half story building, and measures 29' x 40'. It is built of brick, with stone finish. It was designed by Mr. H. M. Francis of Fitchburg.

**NEW YORK.**—The building which was occupied by A. G. Newman (successor to Newman & Capron) as hardware factory, and which was partially burned Nov. 14, is to be replaced by restoring the building, measuring 65' x 114', and seven stories high. It is to be built of brick, by Mr. Edward Smith, builder, from the original drawings prepared by Mr. L. Duenkel, architect; and is to be used by A. G. Newman as factory. As a precaution against future fires, the building has been fitted with an electric fire alarm connected with metropolitan fire-department engine-houses.

**BAY CITY, MICH.**—The Hitchcock and Ingraham mill, which was destroyed by fire last spring, is to be rebuilt this winter.

### SUMMARY OF THE WEEK.

Reports from the Principal Cities and Towns of the Country.

#### Boston.

**PERMITS.**—Twelve permits for new buildings have been granted since our last report, only one of which is for a brick building, to George D. Cox, for a dwelling 22' x 40'.

The following have been granted for wooden buildings:

A. P. Clifford, poultry house, 100' x 26'; Wm. Barton, dwelling, 30' x 35'; P. H. Barry, stable, 15' x 30'; Robert Hamilton, storage, 75' x 18'; Jas. C. Reid, dwelling, 20' x 26'; E. B. Witherspoon, stable, 29' x 21'; Tobin & McDonald, stable, 31' x 29'; Luther D. Stiles, dwelling, 22' x 35'; the same, dwelling, 22' x 35'; George Malcolm, dwelling, 30' x 23'; Henry P. Oakham, dwelling, 19' x 26'.

**REPAIRS** are active; two hundred permits in excess of last year having been granted up to Dec. 1.

**ARMORY.**—A new armory for the Charlestown City Guard, in the old Winthrop Schoolhouse, is expected to be ready for occupancy in about two weeks.

**CALDWELL'S FOLLY.**—What was to have been the magnificent house of Josiah Caldwell has rested half built for six or seven years on the corner of Berkeley and Marlborough Streets. It is now being removed, and is to be replaced by a house which is to be built for Mr. J. C. Phillips, by Messrs. Peabody and Stearns, architects.

**THE POST-OFFICE.**—Plans have been forwarded to Washington for approval for several important changes in the interior arrangements of the Post Office. It is proposed to bring the money-order office from the basement up to the main floor, and establish it in the southern or Milk-street corridor. The public will have access to the money-order office by a new passage-way to be constructed between the new office and the present registered-letter office and ladies' delivery.

#### Brooklyn, N.Y.

**BUILDING PERMITS.**—Since our last report the following permits have been issued:—

Cartoll st., 3 four-sty brown-stone dwells, 16.8' x 50'; owner, John Cunningham; builders, P. I. Carlin and John King. Clinton St., cor. Luquer St., 5 three-sty brick stores and flats, 20' x 45' and 40'; owner and builder, E. L. Donnellon; architect, Robert Dixon. Franklin St. (No. 131), 1 two-sty frame stable, 25' x 16'; owner, Wm. W. Weed, 135 Franklin St.; builder, Wm. Hines. Hamilton St., 3 two-sty brick stables, 16.8' x 40'; owner, D. A. Sanborn; builder, Howard J. Smith. Hancock St. 2 three-sty brown-stone dwells, 20' x 42'; owner, N. B. Sinclair; builder, John Kearney. Pulaski St., 5 two and three-sty brown-stone dwells, 24' x 44'; owner and builder, W. F. Edmundstone, 727 De Kalb Av.; architect, Amel Hill. Stockholm St., 2 two-sty frame dwells, 16' 8' x 30'; owner, Steward Stevenson, 111 Cannon St., New York; builder, Wm. H. Horan. Sixth St., 2 three-sty brick dwells, owner, L. Carlin; architect, &c., P. H. Carlin. Forty-third St., 2 two-sty frame dwells, 16' x 26'; owner, R. H. Drummond; builders, Halpin & Mahoney. St. Marks Av., cor. Rogers Av., 7 three-sty brown-stone dwells, 16.6' x 40'; owner, John Claffin, 55 Pierrepont St.; architect, M. J. Morrill; builders, M. Nolan and Thomas Glosier.

#### Chicago.

**BARN.**—A new barn is building on the corner of Milwaukee Avenue and North Avenue by the West Division Railway Company. It will be the largest building of the kind in the city.

J. H. Thompson, 5 two-sty brick dwells, each 20' x 36', on north-west corner of Franklin and Huron Sts.; cost \$2,000 each. Third Presbyterian church, one-sty brick, stone-front, addition to church on cor. Ashland Av. and Smith St.; cost \$30,000. E. B. Myers, two-sty brick bath, 22' x 43', 1022 Wabash Av.; cost \$2,000. M. Kaser, three-sty store and dwell, 25' x 65', 654 Archer Av.; cost \$3,500. A. Schroeder, two-sty brick store and dwell, 24' x 40', cor. Huribut and Hein Sts.; cost \$2,000. M. C. Stearns, 5 two-sty brick stores and dwells, 22' x 60' each, on north-east cor. Dearborn and Adams Sts.; cost each, \$1,600.

#### Cincinnati.

**THE MUSIC HALL.**—Mr. Reuben R. Springer, who has already given \$125,000 to the new Music Hall, has offered to give \$50,000 more for supplementary buildings, if the citizens will add \$100,000.

**THE INDIANA STATE HOUSE.**—Among the items of interest that have occurred in this city since our last report, we have the pleasure of mentioning the fact that Mr. James K. Wilson has been appointed as one of the referees in the matter of awarding the premiums of the Indiana State House competition.

**DISSOLUTION OF A FIRM.**—The firm of Hannaford & Procter has lately been quietly dissolved, Mr. Procter having made up his mind to retire from the profession. The business will be carried on by Mr. Hannaford at the old offices.

Rumor has it that another architect is about to retire from the profession.

**DWELLINGS.**—Mr. Wilson is preparing plans for a couple of dwellings to be erected on Mt. Auburn. They will be unlike each other, both in plan and elevations; cost about \$15,000.

#### Indianapolis.

**THE INDIANA STATE HOUSE.**—The State House Commissioners have appointed J. K. Wilson of Cincinnati, architect; C. M. Allen of Vincennes, Ind., C. E.; H. C. Walters of Jeffersonville, Ind., builder,—as experts to examine the plans submitted in the last competition. They are at work, and expect to be able to make their report in sixty days. The commissioners report that the designs are mostly of a high order of merit. Applications were made by sixty architects for instructions; but only twenty-four designs have been received. The commissioners think a suitable selection can be made from the number. Work on the foundation will be commenced early in the spring.

#### Cleveland, O.

**WATER-WORKS.**—Work on the new building on the Cleveland Water-Works crib was lately suspended for the winter. The new structure of stone is built inside the temporary wooden building that surmounts the crib, and the stone-work has progressed as far as practicable without removing the old roof. The roof and tower of the new building will be of iron. Mr. McDonell, the contractor, will complete the structure in the spring. The character of the work is spoken of in the highest terms.

#### Philadelphia.

**BUILDING PERMITS.**—The following permits have been issued since our last report:—

Eli Loux, four-sty rebuilding factory, 54' x 80', Randolph, n. of Columbia Av.; E. J. Devlin, one-sty shop, 13' x 16', No. 1909 N. Second; Franz Eiseley, one-sty addition to brewery, 10' x 16', No. 2630 Girard Av.; J. V. Mecher, 2 one-sty stores, 18' x 16', Germantown Av.; W. P. Miskey, two-sty stable, 15' x 30', Twenty-sixth St.; Daniel McCarton, two-sty dwell, 16' x 26', No. 4837 Aspen St.; J. T. Strickland, two-sty addition to stable, 16' x 60', No. 303 N. Sixty-fifth; George Bieschlag, three-sty back building, 15' x 16', No. 4911 Vine St.; Hugh Pool, two-sty dwell, 15' x 40', Vine St.; Robert Craig, two-sty stable, 16' x 18', cor. Forty-ninth and Ludlow Sts.; T. T. Elwell, a two-sty dwells, 15' x 42', Seneca St.; Michael Rafferty, stable, 14' x 25', No. 816 Scott St.

**FACTORY.**—A number of capitalists are said to be considering plans for the erection of a large soda-ash works on the Delaware River, in the Twenty-fifth ward.

**THE PUBLIC BUILDINGS.**—At the conference of the sub-committee of the Public Buildings Commission and Board of Finance of Councils, it was stated that the estimated cost of finishing the buildings to the cornice of the second story was \$1,757,200; and that if \$750,000 were appropriated for 1878, the entire building could be put in such condition as to preserve it from injury. It was also stated that if further appropriation was made, rooms could be fitted up for use of departments requiring them. Mr. Wagner offered a resolution to report a recommendation for appropriation of \$750,000, provided the Building Commission do not demand, either by law or equity, any sum beyond that which may be allotted to them by the Building Commission out of the sum named, and also that work shall be suspended after reaching the cornice until councils make further appropriations. The committee adjourned to meet at the call of the chair.

#### St. Louis.

**BUILDING PERMITS.**—Twenty-six permits have been issued for the week ending Dec. 14. Six of these are for frame structures costing from \$25 to \$500. The rest are for brick buildings of values from \$25 upward. Those worth \$2500 and over are as follows:—

Owners.	Use.	Stories.	Rooms.	Cost.
John O. Talbot.....	Dwelling	2	8	\$6,000
H. Feuerbach.....	"	2	8	3,000
Louis Rose.....	Store & Dw.	2	6	4,000
D. Cellin.....	Warehouse.	2	8	4,000
Thos. Gallagher.....	Dwelling.	2	8	3,000
M. Sellers.....	"	2	20	4,000

#### General Notes.

**FITCHBURG, MASS.**—A block of stores for the Messrs. Coggshall, built from the designs of Mr. H. M. Francis, is nearly finished. It is built of brick, is three stories high, and measures 64' x 70'.

Work has just begun upon a wooden house for A. E. Stratton, Esq., whose cost will be about \$7,500; H. M. Francis, architect.

The outside of the Fitchburg Railroad depot, which measures 36' x 140', and has a covered platform 300' in length, is nearly done. Work on the tower is postponed till the spring. The walls are of brick with granite finish. The work is done by the day by the railroad company, in accordance with the design of H. M. Francis.

**NORTH EASTON, MASS.**—The work on the parsonage and public-library building, the gift of the late Oliver Ames, is progressing favorably. The latter building is of a new style of architecture harmonizing with Unity Church, which stands on the same lot.

**VALLEY FALLS, CONN.**—The new round-house of the Providence and Worcester Railroad is almost finished. They are now building a large coal-shed to supply their engines with coal. It is expected to hold some six or seven hundred tons of coal.

**BALDWIN, PENN.**—The large new furnace in course of erection at the Pennsylvania Steel Works, when finished, will be one of the largest of the kind in the United States. The number of fire-brick required in building

the furnace is 500,000 at a cost of \$25 per thousand. The furnace will be ready for business on or about the 1st of January, 1878.

BALTIMORE, Md. — A general desire for a new post-office building is expressed.

NEW HAVEN, CONN. — The Boston Air Line Railroad is building an engine-house and shops here, and will soon do its own repairing.

The council has issued an ordinance providing that fire-escapes shall be put on every hotel, factory, or lodging-house, three stories or more in height.

NEW SHARON, ME. — H. M. & W. Bullen are building a new saw-mill. They have already completed a dam across the stream, and are pushing the work on the mill vigorously.

OCEAN GROVE, N.J. — A seaside home for sick children is possibly to be built here. It is undertaken at the instance of a young lady of Dr. Tiffany's church in New York.

**INDEX OF CURRENT WORK.**

Giving information concerning important buildings now unfinished.

**Albany, N.Y.**

BREWERY. — Quinn & Nolan, owners. W. Dickson, architect. Cost \$200,000.  
POST-OFFICE. — James G. Hill, Supervising Architect of the Treasury Department.

**Baltimore, Md.**

CHURCH. — M. E. Church. Cost \$10,000.

**Boston, Mass.**

CHURCH. — Cost \$75,000. Mr. John Welch, architect, Brook-lyn, N.Y.  
HOTEL. — Hotel Sumner. E. B. Horn, owner. Messrs. Appleton & Stephenson, architects, Boston, Mass.  
HOTEL. — Hotel Comfort. \$80,000. L. Weissbein, architect. W. Sheafe, owner.  
HOTEL. — Crelighton House. C. Fehmer, architect.  
POST-OFFICE. — James G. Hill, Supervising Architect Treasury Department.  
SCHOOLHOUSE. — High and Latin School. G. A. Clough, architect.

**Brooklyn, N.Y.**

CONCERT GARDEN. — F. H. Coles, architect. Cost \$50,000.  
HOSPITAL. — Church Charity Foundation of the Protestant Episcopal Diocese of Long Island. N. L. Derby, architect, New York.  
JAIL. — Mr. Mundell.  
TENEMENT. — A. T. White, owner. William Field & Son, architects.

**Chicago, Ill.**

APARTMENT HOUSE. — D. Wells, owner. C. T. Thomas, architect. \$24,000.  
CHURCH. — Jefferson-park Presbyterian. J. C. Cochrane, architect.  
STORE. — D. W. Kendall, architect. \$32,000.

**Cincinnati, O.**

AQUARIUM. — Jas. W. McLaughlin, architect.  
MUSIC HALL. — Hannaford and Procter, architects.  
STORE. — Alms & Doepke, owners. Hannaford and Procter, architects.  
STORES. — G. P. Humphries, architect. \$10,000.  
STORE. — H. Six, owner. A. C. Nash, arch't. Cost \$30,000.

**Cleveland, O.**

CONVENT. — Ursuline Academy. L. A. Heard, architect. \$10,000.  
CHURCH. — Heights Cong'l Church. Walter Blythe, arch't.  
CHURCH. — Woodland avenue Presbyterian. F. S. Barnum, architect. \$3,000.  
BLOCK OF STORES. — Corner Erie Street and Woodland Avenue. Gries and Welle, architects and builders.  
PUBLISHING HOUSE. — Evangelical Publishing Association. \$45,000. J. M. Blackburn, architect.

**Hartford, Conn.**

TRINITY COLLEGE. — F. H. Kimball, supervising architect.  
ORPHAN HOME. — F. H. Kimball, architect.  
CATHEDRAL. — B. C. Cathedral of St. Joseph. F. Keely, architect.

**New York.**

ARMORY for the Seventh Regiment. \$300,000.  
CONVENT OF THE SISTERS OF ST. JOHN. — E. G. Littel, arch't.  
CHURCH. — Grace Church. W. T. Beers & Son, architects. \$30,000.  
CHURCH. — Roman Catholic Church, West Fifteenth Street. Cost \$150,000.  
ORIENT INSURANCE COMPANY'S BUILDING. — A. H. Thorp, architect. \$125,000.  
QUEEN'S INSURANCE COMPANY'S BUILDING. — Clinton & Pilsbry, architects. \$100,000.  
STORE. — G. Thomas, architect. Cost \$20,000.

**Philadelphia.**

CHURCH. — Central Presbyterian. Collins and Audenreith, architects. G. Watson, builder.  
HOSPITAL. — Presbyterian Hospital. Wilson Bros., arch'ts.  
OFFICE BUILDING. — Girard Trust.  
THEATRE. — Chestnut-street Theatre.

**Washington, D. C.**

STATE DEPARTMENT BUILDING. — Col. Casey of the Engineers superintending.  
COLLEGE BUILDING FOR THE DEAF AND DUMB ASYLUM. — F. C. Withers, architect. Cost \$50,000.  
CHILDREN'S HOSPITAL. — J. C. Harkness, architect. J. G. Naylor, builder.

**General.**

AKRON, O. — First Universalist Church. \$35,000. F. O. Westy, architect.  
ANDERSON, IND. — Asylum. M. E. May, architect, Indianapolis, Ind.  
ANN ARBOR, MICH. — Court-house. Mr. Bunting, architect, Indianapolis, Ind.  
ARCADIA, WIS. — Court-house and Jail. C. G. Maybury, architect, Winona, Minn. \$25,000.  
BALTIMORE, MD. — Church of St. Michael and All Angels. \$80,000. Wyatt & Sperry, architects.  
BOSTON, MASS. — Masonic Temple. G. M. Harding, architect, Boston, Mass.  
BLOOMFIELD, IO. — Court-house. Larkworthy & Mead, cont's.  
BUFFALO, N.Y. — St. Peter's Evangelical Church. M. E. Beebe, architect.  
CHATTANOOGA, TENN. — Court-house. A. C. Bruce, Knoxville, Tenn., architect.  
CHESTER, ILL. — Prison. Baite & Nelson, contractors. Cost \$5,000.  
COVINGTON, KY. — Schoolhouse. H. Bevis, Cincinnati, architect. \$25,000.  
DES MOINES, IO. — State House. Bell & Hackney, supervising architects.  
EVANSVILLE, IND. — Block for Vickery Bros. Vrydagh & Clarke, architects.

FARIBAULT, MINN. — Deaf, Dumb, and Blind Asylum. J. Babcock & Co., contractors. \$93,750.

GALVESTON, TEX. — Cotton Exchange. Gibbs & Moser, architects.

GARDEN CITY, L.I. — Stewart Memorial Church. H. G. Harrison, architect.

GEORGETOWN, D.C. — College Building. Smithmeyer & Pelz, architects.

GOSHEN, IND. — Opera House. \$22,000. Noble & Son, owners.

GREENSBURG, IND. — Hotel. \$18,000. Ketcham & Gibson, architects, Indianapolis.

HOBOKEN, N.J. — St. Matthew's Church. Mr. H. Englebert, architect, New York.

JERSEY CITY. — Catholic College. L. O. Connor, architect.

JOLIET, ILL. — St. Mary's (Roman Catholic) Church. Mr. Kelly, architect, Brooklyn.

KANKAKEE, ILL. — Insane Asylum. J. R. Willett, architect.

KANSAS CITY, MO. — Union Depot. Bernard Malone, contractor. \$100,000.

KIRKSTON, N.Y. — Armory for the 20th Regiment. W. W. Goodrich, architect.

LYNN, MASS. — First Methodist Church. \$40,000. W. G. Preston, architect. J. F. Kibbey & Son, contractors.

MANCHESTER, MASS. — Hotel. J. B. Booth, owner.

NEWPORT, R.I. — Residence of P. Lorillard. \$30,000.

NOBLESVILLE, IND. — Court House. A. G. Camsfield, Winchester, Ind., contractor.

NORTHAMPTON, MASS. — Dormitory for Smith College.

OIL CITY, PENN. — Exchange. \$75,000. J. M. Budge, jun., architect.

OTTAWA, ILL. — Holy Trinity (R. C.) Church. H. C. Furness, architect. \$150,000.

PITTSBURGH, PENN. — Barrel Factory for the Standard Oil Co. Cost \$30,000.

PORT CHESTER, N.Y. — Dwelling. E. K. Wesley, owner. W. T. Beers & Son, architects. \$45,000.

PROVIDENCE, R.I. — Dormitory for Brown University. Stone & Carpenter, architects.

ROME, GA. — Shorter Female College. J. A. Cooley, cont'r.

SACRAMENTO, CAL. — Masonic Hall. Carle & Croly, cont'r.

SING SING, N.Y. — Methodist Church. Cost \$18,000.

SPRINGFIELD, ILL. — State House. J. C. Cochrane, architect. J. H. Helmie, architect. \$5,000.

ST. JOHNSBURY, VT. — North Church. Cost \$50,000.

ST. LOUIS, MO. — Hospital. Rev. E. A. Schindel. \$10,000.

WABASH, IND. — Court-house. B. V. Enos & Son, architects. Cost \$100,000.

WATERBURY, CONN. — Methodist Church. \$40,000.

WATERGAY, ILL. — Court-house. H. C. Koch, architect. Cost \$40,000.

ZANESVILLE, O. — Hotel. H. E. Myers, architect. Black & Graham, owners. \$75,000.

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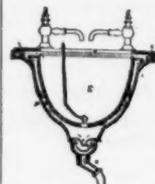
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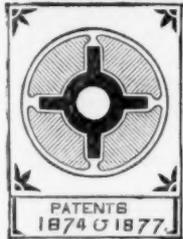
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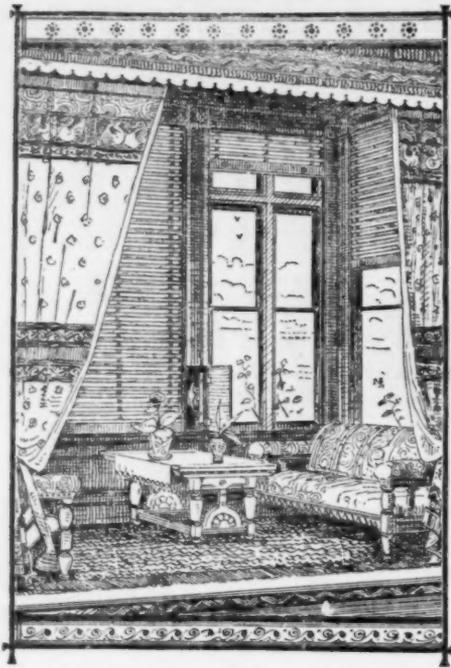
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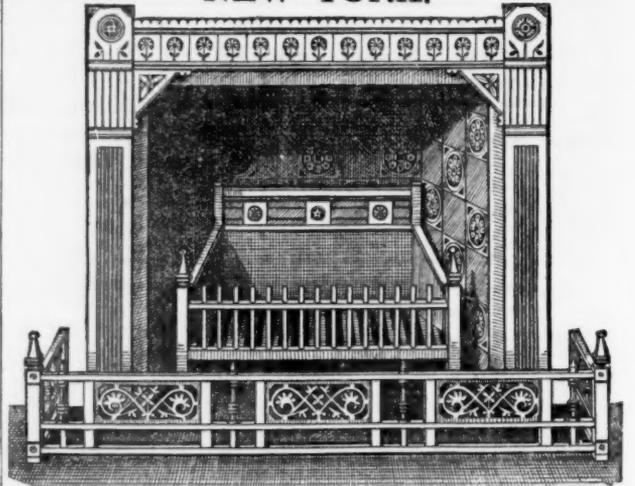
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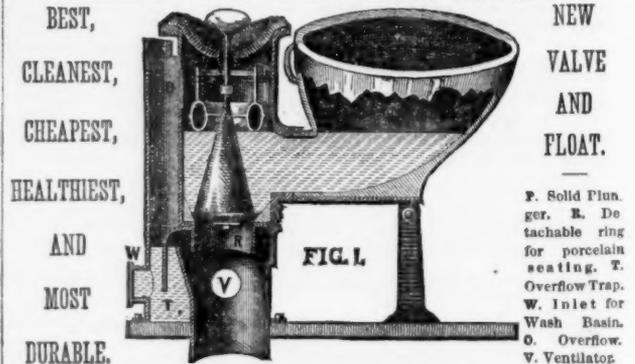
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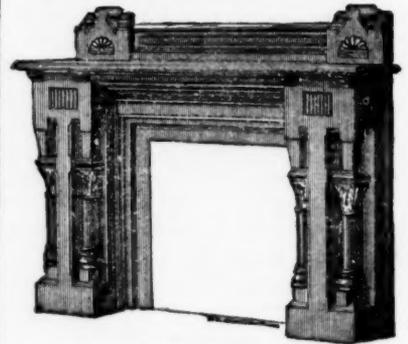
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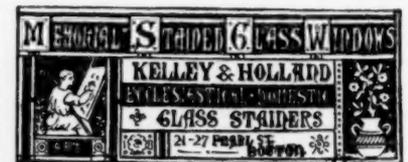
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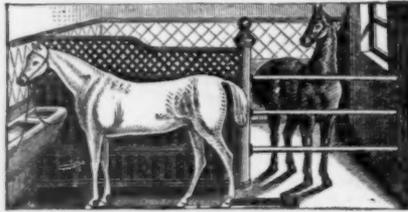
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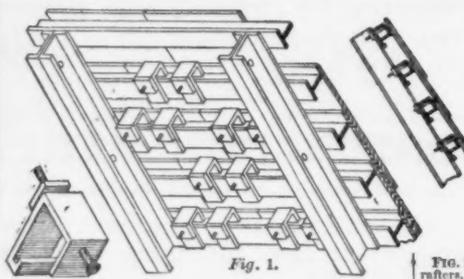


Fig. 1. The above invention relates to the manner of securing slates to iron roofs. It consists of a bent plate of suitable metal, which hooks around or under the purlins on which the slate rests, and is provided with a bolt passing through it and the bent plate, one end of the bolt having a head, which is countersunk in the upper side of the slate, the other end of the bolt being secured by a nut, or otherwise.

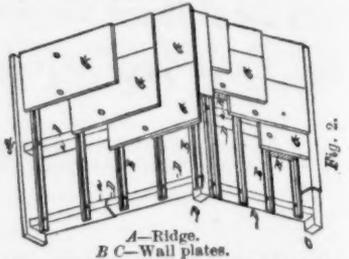


Fig. 2. This invention consists of a roof composed of wooden rafters, (D) covered with sheet metal (a) or other fire-proof material, and iron purlins (c) or beams, with the slates (G) or other covering secured thereto by clasps, (FIG. 1.) or in any other suitable manner, in connection with a fire-proof cement, (H) or composition rendered or laid within the space enclosed by the rafters and purlins immediately under and in contact with the slates or a covering of the roof, by which construction the roof boards are dispersed with, and a roof is produced thoroughly fire-proof at every point, avoiding condensation, contraction and expansion of roofs formed wholly of iron.

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## PROSPECTUS FOR 1878.

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It is the purpose of the publishers to make the AMERICAN ARCHITECT AND BUILDING NEWS useful not only to architects and builders, but to engineers, students, and amateurs, who are interested in building or in any of the arts connected with it. To this end they hope from year to year to add to its interest and fulness, preserving such features as have shown themselves valuable, and adding from time to time such new ones as promise to be of service to their readers. As hitherto, they invite the co-operation of architects, artists, and manufacturers, to assist them in furnishing material that will enhance the value of their paper to its subscribers. Its literary columns will be open for the discussion of all topics which come within its general scope, and its illustrated pages for all subjects of interest in building or decorative art. It is the wish of the publishers to draw their contributions from the widest possible circle.

The paper will continue during the coming year to furnish a summary of important events and discussions on architectural matters, not neglecting the departments of historical and archæological discovery, with leading articles on such subjects as deserve special attention. It will have, as usual, contributed articles from writers of standing, special correspondence from the principal cities, building news from all points of interest, and price-lists of building materials from the chief markets of the United States.

It will give, as heretofore, special attention to the departments of sanitary science and decorative art, including furnishing, as well as to matters that pertain to technical education in architecture and construction. The series of papers on perspective which were promised a year ago are nearly ready, and will be begun early in the year. The publishers also propose to establish a series of prizes for designs in furniture or decoration by draughtsmen and decorators, the designs to be for subjects suggested in the AMERICAN ARCHITECT AND BUILDING NEWS, the prizes to be adjudged by a competent jury, and the best of the drawings to appear in the paper. An early announcement will be made of the details of the scheme. They have it in mind also to provide a series of comparative papers on the different modes of building construction in use in various parts of the United States, believing that such a comparison cannot fail to be useful in improving and harmonizing the practice of building throughout the country.

To make the illustrated pages of the paper as good as possible, the publishers appeal to architects, designers, and draughtsmen throughout the country, reminding them that it is impossible for the editors to know where all the material that would be valuable to their paper is to be found, and that they look to voluntary contribution as a great source of supply. For encouragement in this point they refer with confidence to the mechanical execution of their reproductions, which, improving steadily from the beginning of their enterprise, has reached an excellence that they may fairly claim is not surpassed in its kind by any of its fellow-journals at home or abroad. The illustration of foreign subjects, either modern or historical, which has proved interesting and valuable to the readers of the paper, will be continued and improved.

The publishers begin their third volume with thanks to their patrons for the continuous advance of the paper both in its circulation and its advertising clientage, and with confident expectation of still greater success to come.

## BUILDING INTELLIGENCE.

(Reported for the American Architect and Building News.)

## COMPLETED BUILDINGS.

**CAMDEN, PENN.**—The New Market Opera-House was formally dedicated Dec. 29. It is a well-arranged building, with all the essential accommodations for the uses for which it has been built.

**DAYTON, O.**—The new fire-engine house at the East End is completed. The new house will give the department all the room they require.

**LEXINGTON, KY.**—The new court-house is completed.

**PROVIDENCE, R.I.**—The new chapel of the First Congregational Society was dedicated Dec. 23. It is built of split granite, two stories high, the exterior dimensions being 49' x 70'; the main auditorium on the second floor, the "chapel" proper, is 36' x 53', 15' high; on the same floor is the library room, 12' x 14', and a pleasant and roomy vestibule. The first floor is divided into two Sunday-school rooms and a study, each 18' x 24', and smaller ante-rooms. Messrs. Stone and Carpenter, architects.

## A RECORD.

Showing how buildings recently burned are to be replaced.

**St. Louis, Mo.**—The building on Carondelet Ave., occupied by Valentine Stock as a flouring mill, which was burned Nov. 14, is to be replaced by a brick building three stories high, and measuring 50' x 150. It is to be built by Mr. Henry Helm, and is to be used as a flouring mill.

## SUMMARY OF THE WEEK.

Reports from the Principal Cities and Towns of the Country.

## Boston.

**WOODEN AND FRAME BUILDINGS.**—The following permits for wooden and frame buildings have been granted since our last report:—

Wm. H. Gordon, storage house, 25' 6" x 25' 6"; Robert Pike, stable, 20' x 20'; Michael Halloran, dwelling, 22' x 28'; John H. Eigle, 2 dwellings, 20' x 28'; Wm. Sanders, shop, 15' x 25'; John F. Haines, dwelling, 20' x 28'; Henry P. Okham, dwelling, 22' x 28'; Freeman Smith, stable, 25' x 28'; D. H. McKay, dwelling, 20' x 46'; Geo. Grover, stable, 40' x 25'.

**TEMENT HOUSES.**—A permit has been granted to Mr. D. Chamberlain, for a tement house to be erected on Cherry Street, near Shawmut Avenue. It is to be of brick, four stories in height, size 60' by 40'. It is intended to accommodate ten families. Mr. N. J. Bradlee is the architect.

## Brooklyn, N.Y.

**BUILDING PERMITS.**—The following permits have been issued since our last report:—

Richards St., cor. Dyckman St., 1 one-sty frame shop, 20' x 20'; owner, C. Dietterfren, 165 Vanduyke St. Smith St., 1 three-sty brick store and dwell., 35' x 25'; owner, G. H. Messenger; architect, R. Van Brunt; builder, T. Dunn. Union St., 1 two-sty brown-stone dwell.; owner, M. L. Vreeland, New Jersey; architect, M. J. Morrill; builders, G. E. Wickham and S. B. Vreeland. Atlantic Av., cor. 3d Av. and Pacific St., 1 two-sty brick stable, 100' x 180'; owner, Atlantic Av. Railroad; architect, Wm. H. Hazzard; builder, Henry Case. Gates Av. (Nos. 545 and 547), 1 one-sty brick storehouse, 40' x 30'; owner, Geo. Brown, 32d St., New York; builder, Jno. Gallagher. Green Av. (No. 654), 1 two-sty brick stable, 20' x 20'; owner, Mary Hazleton. Manhattan Av. (No. 103), Greenpoint, 1 one-sty frame store, 25' x 50'; owner, Felix Hayden; architect, J. Conroy; builders, D. Cone and J. Daniels. Meserole Av. (No. 190), 1 two-sty frame dwell., 20' x 20'; owner, D. F. Gibbs. Myrtle Av. (No. 799), 20' x 100'; owner, J. Henderson, 983 Myrtle Av.; architects, Kinkaid & Son; builder, G. Hughes. Nassau Av., 1 two-sty frame stable, 25' x 28'; owner and builder, J. T. Hendrickson; architect, F. Weber. Nostrand Av., 3 three-sty brick dwells., 18' x 28'; owner, Thomas Greenland, 256 Kosciusko St.; architect, A. W. Dickie; builder, Thos. Greenland.

## Chicago.

**BUILDING PERMITS.**—The following permits have been issued since our last report:—

Bigelow estate, 2 three-sty and cellar stone-front brick dwells., each 25' x 42', Van Buren St., cost \$12,000; M. Kronberg, three-sty and bas't brick dwell., 23' x 80', at 203 Erie St., cost \$7,500; L. Schutt, two-sty and bas't brick dwell., 21' x 52', at 1087 Indiana Ave., cost \$4,500; Christopher Murphy, two-sty and cellar brick dwell., 27' x 62', Aberdeen St., cost \$4,000; E. D. Smith, two-sty and cellar brick store and dwell., 25' x 60', Erie St., cost \$3,500; Ingoor Larson, 2 three-sty and bas't brick stores and dwells., each 25' x 87', 721 and 723 W. Lake St., cost \$13,000; Catherine Smith, two-sty and cellar brick dwell., 29' x 40', May St., cost \$2,000; E. Lardner, two-sty and cellar brick store and dwell., 24' x 66', at 252 Centre Ave., cost \$4,000; John Conway, 3 two-sty and bas't brick dwells., each 20' x 36', Taylor St., cost \$7,500.

## Cincinnati.

Mr. Samuel Hannaford has been retained as the architect of the proposed new Exposition Buildings. The buildings will flank the sides of the Music Hall now in process of construction, and, so far as the elevations are concerned, will be of the same character. The whole lot is 401' 9" on Elm Street by 254' 10" on Fourteenth Street. The present Music Hall is 182' wide, and is in the centre of the lot, leaving 110' on each side. A 12' area, widened to 25' in the centre, will separate the buildings; these arches to be spanned by bridges at each story's height. The new buildings will each have a

double row of columns (13 to each row) for support of floors above. From ground to top of cornice is 65' 6". The cost of this work will be about \$150,000.

## Cleveland, O.

**VIADUCT.**—The stone-work of the easterly portion is ready to receive the iron superstructure. On the west side work is suspended for the winter. The wooden centering has been taken out of the stone arch over the railroad tracks. It spans 97 feet.

**DWELLING.**—Mr. N. E. Chapman is building a frame dwelling on Willson Avenue. It is to cost about \$5,000. D. L. Jaques is the contractor. Mr. Walter Blythe is the architect.

**CHURCH.**—The foundations of the new church at the corner of Woodland Avenue and Kennard Street are finished, and work is suspended until spring. It is for the Woodland-avenue society; Rev. S. L. Blake, late of Concord, N.H., pastor. Its principal dimensions are 95' x 100'. The walls will be 42 feet high, brick with stone finish, 1,200 sittings. The contracts for mason's and carpenter's work were let for about \$10,000, without glass, seats, or heating apparatus. Mr. John Gill is the mason, and Messrs. Latimer and More the carpenters. Mr. F. S. Barnum is the architect.

**BUSINESS BLOCK.**—Mr. William C. Scofield is erecting a brick building on St. Clair Street, near Bank Street. It is to be 45' 9" front on St. Clair Street, and 150' deep. It is to be four stories in height to 82' back from the front, one story for 25' farther back and three stories from thence to the rear of the building. The front is to be of pressed brick with stone finish. Messrs. Cudell and Richardson are the architects. The whole of the first floor is to be occupied by the Lake Erie Iron Co. as a warehouse, the second story of the front part by the offices of the Pioneer Oil Co., the third story by the offices of the Lake Erie Iron Co., and the two upper stories of the rear part by B. P. Bower & Co. as a manufactory for Bower's Sewer-Gas Trap. John McMahon is the contractor for mason's work, and John T. Watterson is the carpenter. The whole will cost about \$15,000.

## New York.

Since our last publication of New York building intelligence, the following plans have been entered for erection at the office of the New York Supt. of Buildings:—

No. 29 Green St., a 20' x 90' iron-fronted four-story and basement store, to cost \$20,000; J. Webb & Son, architects; Wm. Gibbon, owner. 108th St., bet. 2d and 3d Aves., 25 second-class brick dwells., 16' x 42' each, three-sty high, to cost \$3,200 each; Anson B. Birdsall, owner; Gage Insole, architect. 77th St. near Av. A. Elise Darling, owner; K. H. Blankenstein, architect; tenement, 25' x 65', four-sty, brick with stone front, to cost \$10,000. 512 and 514 West 35th St., J. Develin, owner; J. Irving Howard, architect; Van Dolin & Perrin, builders; 2 tenements, 25' x 60', four stories high, brick fronts; cost \$6,000. 76 New Chambers St., a coal-office in brick, 28' x 20', to cost \$400; E. L. Casey, owner. 71st St., near Av. A. Wm. Grogan, owner; Jackson & Johnston, builders; a second-class dwell., 25' x 60', two stories; to cost \$2,500. 11th Av., nos. 62d & 64, Ketcham & Morgan, owners; P. H. Gill, architect; and Thos. Shannon, builder; a store, 107' x 113', two stories high, of brick; cost \$4,500. 359 Pearl St., a workshop in rear, 17' x 24', to cost \$500. 38 West 3d St., a second-class store, Mary Ann Placide, owner; Ed. Pettigan, architect; H. M. Reynolds, builder; 22' x 33', three stories high; to cost \$5,000. At 55th St. and Madison Av., 10 first-class dwells., by Duggan & Crossman, architects, owners, and builders, about 57' deep; various widths; costing from \$18,000 to \$27,000 each. 535 West 120th St., J. E. Wright, owner; J. H. Valentine, architect; 20' x 90', four-story French flat, brick with stone fronts; cost \$14,000. 405 West 14th St., a \$15,000 iron-fronted brick workshop, 25' x 56', three stories high. 58th St., near 9th Av., John Robenstein, owner; Theo. G. Smith, architect; 25' x 72', five-sty-high flats; to cost \$12,500. Av. A and 82d St., frame chapel, 28' x 60', for Home M. E. Church, Geo. R. Lee, architect and builder; cost \$959. 50th St., near 6th Av., A. H. Barney, owner; L. N. Crow, builder; a brick stable and riding-school, 100' x 98', six stories high, stone front; cost \$22,500.

The following building-permits have been issued since our last report:—

Elizabeth St. (No. 15), 1 six-sty brick warehouse, 25' x 87'; cost \$11,000; owners, M. & H. Schronkensen; 23 and 25 Elizabeth St.; architect, William Graul. W. 14th St. (No. 405), 1 three-sty iron carpenter shop, 25' x 56'; cost \$15,000; owner, Philip Herman, 340 W. 14th St. W. 56th St. (No. 158), 1 two-sty brick carriage-house and dwell., 25' x 80'; cost \$4,500; owner, Clark Bell; architect, Julius Broekell; builders, Lochmann & Brander. Fifty-eighth St., 4 five-sty brown-stone tenements, 25' x 72'; cost each, \$12,500; owner, John Robenstein; architect, Theo. Smith.

**THE CATHEDRAL.**—The late collections in the Roman Catholic churches of New York, in aid of the new Cathedral, realized the large sum of \$374,000.

## St. Louis.

**BUILDING PERMITS.**—Twenty-five permits have been issued for the week ending Dec. 21, for new buildings and for alterations and repairs to old buildings. Six of these are for frame structures worth from \$10 to \$230. The rest are for brick buildings with brick or stone fronts, costing from \$100 upwards. Those worth \$2,500 and over are as follows:—

Owners.	Use.	Stories.	Rooms.	Cost.
Lauenborg Bros., ...	Dwelling.	3	16	\$3,000
Sarah F. Humphreys, ...	"	3	4	3,500
George D. Hall, ...	"	2	45	8,000
C. L. Hunt, ...	St. & Office	5	30	25,000

\* The last permit is for the re-building of the handsome store on Fourth Street, adjoining the Chamber of Commerce, which was burned out some six weeks ago.

## Philadelphia.

**BUILDING PERMITS.**—The following permits have been issued since our last report:—

George K. Holloway, 3 two-sty dwells., 14' x 40', Fifteenth St.; J. Crawford, two-sty back building, 15' x 29', Wilson St., Chestnut Hill R.R.; F. M. Forsyth, two-sty

dwell., 17' x 41', Fifth St.; Samuel Henderson, two-sty back building, 12' x 14', Front St.; Christ Gerold, 2 two-sty dwells., 14' x 23', York St.; Shegog & Quigley, two-sty addition, 12' x 22', No. 324 Thompson St.; P. B. Amos, two-sty church, 50' x 50', Forty-first St.; C. H. V. Newkirk, two-sty dwell., 16' x 44', cor. McKean and Gerbard Sts.; C. H. V. Newkirk, two-sty dwell., 18' x 44', cor. McKean and Gerbard Sts.; Thos. Newall, 6 two-sty dwells., 15.6' x 40', McKean St.; Seabold & Schofield, three-sty factory, 38' x 65' Cotton St.

**CHURCH.**—The Oak-street Society has purchased a lot adjoining the present site (Forty-first and Ludlow Streets), paying for it in full. They propose to build a house 50 x 50 feet.

## General Notes.

**ARCADIA, Wis.**—The court-house which was mentioned some time ago will not be begun until the question of where the county-seat is to be settled.

**ALBERT LEA, Wis.**—Plans for a new depot to cost \$2,000 have been prepared by Mr. E. F. Fassett of La Crosse.

**CAMBRIDGE, MASS.**—Mrs. Anne P. Sever has bequeathed to Harvard College, among other things, the sum of \$100,000, which is to be used in building a dormitory which is to be known as Sever Hall.

**CAMDEN, PENN.**—The work on the Cooper Hospital is nearly finished, and the rooms will be furnished so that the whole building will be ready for occupancy by the 1st of May next. The gentlemen who have had its construction in charge have not been forced to hurry the work; consequently every thing has been finished in the most substantial and convenient manner.

**CLIFTON, STATEN ISLAND, N.Y.**—The Rev. Father Lewis is having built a new public building, to be called St. Mary's Hall, for lectures, concerts, etc. It will be fitted up with a stage, and will cost \$6,000. It will be ready for occupancy next March.

**CLINTON, Io.**—The school board has resolved to improve the ventilation of the school buildings.

**GRANVILLE, O.**—Doane Hall, the gift of W. H. Doane, Mus. Doc., is well under way, and the foundations are nearly completed. It is to be used as a library, and will contain 50,000 volumes.

**GREENFIELD, MASS.**—The project for a free public library meets with encouragement. The proposition is, that the town give the lot on Main Street on which the "Old Brick" school-house stood, and which is now vacant, and agree to maintain the library; that the Library Association give its collection of about 5,000 volumes; that ex-Gov. Washburn put up the building he has generously offered; and that the subscribers to the building fund give their \$5,000 for the purchase of books. Mr. Washburn's offer is to put up a building to cost about \$6,000, if the lot and foundations are furnished.

**INDIANAPOLIS, IND.**—Twenty-three quartermen have submitted specimens of sixteen different varieties of building-stone for the new capitol.

**LOUISVILLE, KY.**—The contract for the new work-house is not yet definitely settled. A few days ago the contract was awarded to John Fitchner & Co., for the sum of \$88,725, including architect's fee. It turns out that there was something irregular in the letting, and the project is likely to meet with heavy opposition when it comes up for reconsideration.

**LYONS, Io.**—Silas Gardner is building a cottage in imitation of the English half-timbered houses. The cost will be about \$3,000.

**NEW HAVEN, CONN.**—The safety of the New Haven Opera-House is to be increased by the construction of stairs from all four boxes to the outside of the hall, which can be easily reached by people both in the gallery and parquet.

**NEW LONDON, CONN.**—The city is considerably stirred up by the report of a committee to the Common Council on the unsafe condition of Lawrence Hall, the principal place of amusement. The means of exit are totally inadequate, and besides, it was found that two of the principal trusses which support the roof were broken, so that the roof was liable to tumble in at any moment. The owners of the hall have been ordered to appear before the Common Council, and show cause, if they can, why radical improvements which the committee suggest should not be made.

**SPRINGFIELD, ILL.**—West Washington St., two-story eight-room cottage, cost \$2,500; Gen. John McConnell, owner; Geo. H. Helmle, architect. North Grand Av., store building, two stories, 30' x 30', cost \$1,500; cost \$1,500; C. E. Bradish, owner; Geo. H. Helmle, architect.

**TOLLAND, CONN.**—The old Dr. Isham house in the main street is being torn down, to be replaced by a finer one by the Underwood Belling Company.

## INDEX OF CURRENT WORK.

Giving information concerning important buildings now unfinished.

## Albany, N.Y.

**BREWERY.**—Quinn & Nolan, owners. W. Dickson, architect. Cost \$200,000.

**POST-OFFICE.** James G. Hill, Supervising Architect of the Treasury Department.

## Baltimore, Md.

**CHURCH.**—M. E. Church. Cost \$10,000.

## Boston, Mass.

**CHURCH.**—Cost \$75,000. Mr. John Welch, architect, Brook-lyn, N.Y.

**HOTEL.**—Hot-I Summer. E. B. Horn, owner. Messrs. Appleton & Stephenson, architects. Boston, Mass.

**HOTEL.**—Hotel Comfort. \$90,000. L. Weissbein, architect. W. Sheafe, owner.

**HOTEL.**—Creighton House. C. Fehmer, architect.

**POST-OFFICE.**—James G. Hill, Supervising Architect Treasury Department.

**SCHOOLHOUSE.**—High and Latin School. G. A. Clough, architect.

## Brooklyn, N.Y.

**CONCERT GARDEN.**—F. H. Coles, architect. Cost \$50,000.

**HOSPITAL.**—Church Charity Foundation of the Protestant Episcopal Diocese of Long Island. N. L. Derby, architect, New York.

**JAIL.**—Mr. Muddell.

**RESIDENT.**—A. T. White, owner. William Field & Son, architects.

**Chicago, Ill.**

APARTMENT HOUSE.—D. Wells, owner. C. T. Thomas, architect. \$24,000.  
 CHURCH.—Jefferson-park Presbyterian. J. C. Cochran, architect.  
 STORE.—D. W. Kendall, architect. \$32,000.

**Cincinnati, O.**

CATHOLIC CATHEDRAL.—F. G. Himpler, New York, architect. Cost \$12,000.  
 EXHIBITION BUILDINGS.—S. Hannaford, architect. Cost \$150,000.  
 MUSIC HALL.—Hannaford and Procter, architects.  
 SHILLITO BUILDING.—J. W. McLaughlin, architect. Cost \$400,000.  
 STORE.—Alms & Doepke, owners. Hannaford and Procter, architects.  
 STORE.—H. Stix, owner. A. C. Nash, arch't. Cost \$30,000.

**Cleveland, O.**

CONVENT.—Ursuline Academy. L. A. Heard, architect. \$120,000.  
 CHURCH.—Heights Cong'l Church. Walter Blythe, arch't.  
 CHURCH.—Woodland avenue Presbyterian. F. S. Barnum, architect. \$20,000.  
 BLOCK OF STORES.—Corner Erie Street and Woodland Avenue. Griese and Welie, architects and builders.  
 PUBLISHING HOUSE.—Evangelical Publishing Association. \$45,000. J. M. Blackburn, architect.

**Hartford, Conn.**

TRINITY COLLEGE.—F. H. Kimball, supervising architect.  
 ORPHAN HOME.—F. H. Kimball, architect.  
 CATHEDRAL.—R. C. Cathedral of St. Joseph. P. Keely, architect.

**New York.**

ARMORY for the Seventh Regiment. \$300,000.  
 CONVENT OF THE SISTERS OF ST. JOHN.—E. G. Littell, arch't.  
 CHURCH.—Grace Church. W. T. Beers & Son, architects. \$50,000.  
 CHURCH.—Roman Catholic Church, West Fifteenth Street. Cost \$150,000.  
 ORIENT INSURANCE COMPANY'S BUILDING.—A. H. Thorp, architect. \$125,000.  
 QUEEN'S INSURANCE COMPANY'S BUILDING.—Clinton & Tibson, architects. \$100,000.  
 STORE.—G. Thomas, architect. Cost \$20,000.

**Philadelphia.**

CHURCH.—Central Presbyterian. Collins and Audenreith, architects. G. Watson, builder.  
 HOSPITAL.—Presbyterian Hospital. Wilson Bros., arch'ts.  
 OFFICE BUILDING.—Girard Trust.  
 THEATRE.—Chestnut-street Theatre.

**Washington, D. C.**

STATE DEPARTMENT BUILDING.—Col. Casey of the Engineers superintending.  
 COLLEGE BUILDING FOR THE DEAF AND DUMB ASYLUM.—F. C. Withers, architect. Cost \$2,500,000.  
 CHILDREN'S HOSPITAL.—J. C. Harkness, architect. J. G. Naylor, builder.

**General.**

AKRON, O.—First Universalist Church. \$35,000. F. O. Westry, architect.  
 ANDERSON, IND.—Asylum. M. E. May, architect, Indianapolis, Ind.  
 ANN ARBOR, MICH.—Court-house. Mr. Bunting, architect. Indianapolis, Ind.  
 ARCADIA, WIS.—Court-house and Jail. C. G. Maybury, architect, Winona, Minn. \$25,000.  
 BALTIMORE, MD.—Church of St. Michael and All Angels. \$80,000. Wyatt & Gerry, architects.  
 BELFAST, ME.—Masonic Temple. G. M. Harding, architect, Boston, Mass.  
 BLOOMFIELD, IO.—Court-house. Larkworthy & Mead, cont's.  
 BUFFALO, N. Y.—St. Peter's Evangelical Church. M. E. Beche, architect.  
 CHATTANOOGA, TENN.—Court-house. A. C. Bruce, Knoxville, Tenn., architect.  
 CHESTER, ILL.—Prison. Baltes & Nelson, contractors. Cost \$5,000.  
 COVINGTON, KY.—Schoolhouse. H. Bevis, Cincinnati, architect. \$25,000.  
 DES MOINES, IO.—State House. Bell & Hackney, supervising architect.  
 EVANSVILLE, IND.—Block for Vickery Bros. [Vryagh & Clark, architects.  
 FARIBAULT, MINN.—Deaf, Dumb, and Blind Asylum. J. Habcock & Co., contractors. \$53,730.  
 GALVESTON, TEX.—Cotton Exchange. Gibbs & Moser, architects.  
 GARDEN CITY, L. I.—Stewart Memorial Church. H. G. Harrison, architect.  
 GEORGETOWN, D. C.—College Building. Smithmeyer & Felz, architects.  
 GOSHEN, IND.—Opera House. \$22,000. Noble & Son, owners.  
 GREENSBURG, IND.—Hotel. \$15,000. Ketcham & Gibson, architects, Indianapolis.  
 HOBOKEN, N. J.—St. Matthew's Church. Mr. H. Englebert, architect, New York.  
 JERSEY CITY.—Catholic College. L. O'Connor, architect.  
 JOLIET, ILL.—St. Mary's (Roman Catholic) Church. Mr. Kelly, architect, Brooklyn.  
 KANKAKEE, ILL.—Insane Asylum. J. R. Willett, architect.  
 KANSAS CITY, MO.—Union Depot. Bernard Malone, contractor. \$100,000.  
 KINGSTON, N. Y.—Armory for the 20th Regiment. W. W. Goodrich, architect.  
 LYNN, MASS.—First Methodist Church. \$40,000. W. G. Preston, architect. J. F. Kibbey & Son, contractors.  
 MANCHESTER, MASS.—Hotel. J. H. Booth, owner.  
 NEWPORT, R. I.—Residence of P. Lorillard. \$50,000.  
 NOBLESVILLE, IND.—Court House. A. G. Camsdell, Winchester, Ind., contractor.  
 NORTHAMPTON, MASS.—Dormitory for Smith College.  
 OIL CITY, PENN.—Exchange. \$75,000. J. M. Budge, jun., architect.  
 OTTAWA, ILL.—Holy Trinity (R. C.) Church. H. C. Furness, architect. \$150,000.  
 PITTSBURGH, PENN.—Barrel Factory for the Standard Oil Co. Cost \$50,000.  
 PORT CHESTER, N. Y.—Dwelling. E. R. Wesley, owner. W. T. Beers & Son, architects. \$45,000.  
 PROVIDENCE, R. I.—Dormitory for Brown University. Stone & Carpenter, architects.  
 ROME, GA.—Shorter Female College. J. A. Cooley, cont'r.  
 SACRAMENTO, CAL.—Masonic Hall. Carle & Croly, cont'rs.  
 SIEG KING, N. Y.—Methodist Church. Cost \$48,000.  
 SPRINGFIELD, ILL.—State House. J. C. Cochran, architect. Jail. G. H. Helmie, architect. \$65,000.  
 ST. JOHNSBURY, VT.—North Church. Cost \$50,000.  
 ST. LOUIS, MO.—Hospital. Rev. E. A. Schindel. \$10,000.  
 WARREN, IND.—Court-house. B. V. Egan & Son, architects. Cost \$100,000.  
 WATERBURY, CONN.—Methodist Church. \$40,000.  
 WARREGAN, ILL.—Court-house. H. C. Koch, architect. Cost \$40,000.  
 ZANESVILLE, O.—Hotel. H. E. Myers, architect. Black & Graham, owners. \$75,000.

**Drawings for the American Architect and Building News.**

Architects and architectural draughtsmen who desire to contribute drawings for publication will find the following facts of use:—  
 Only pen-and-ink drawings, without brush-work of any kind, can be reproduced.  
 The space upon a single page allowed for a drawing is 7" x 11"; therefore drawings should have approximately these proportions.  
 The reproductions are most satisfactory when they are from one-third to one-half as large as the originals.  
 The most satisfactory results are obtained from drawings upon Bristol board, or hot-pressed Whatman. Tinted paper should not be used.  
 Tracing cloth upon the dull side, bank-note paper, or tracing paper, provided it is not of a yellowish tinge, may be used in cases of absolute necessity.  
 The ink should be black and of uniform strength.  
 The lines should be firm, sharp, not too coarse, and not unintentionally broken.  
 Shading and hatching lines must not be too close and crowded, especially where a large surface is to be shaded.  
 It is very desirable that plans should accompany the drawings.  
 Drawings of details both constructional and ornamental are also desirable.

**Publishers' Department.**

**THE AMERICAN ARCHITECT AND BUILDING NEWS** is published every Saturday, at \$7.50 per year, or \$6.00 if paid in advance. Single copies 15 cents.  
 Ordinary Advertisements, next to reading matter, 12½ cents per line, or \$10 for a single inch (14 lines), six insertions.  
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**PROPOSALS.**

**COUNTY BUILDING.**

Notice is hereby given that the plans and specifications for county buildings to be erected at Juneau, Dodge County, Wis., will be on exhibition at the office of the county clerk of said county, at Juneau, after Jan. 1, 1878, and that sealed proposals will be received for the construction of said buildings, until the twenty-second day of January, 1878, on which day, at 2 o'clock P.M., they will be opened by the committee, and acted upon at the said office. The committee reserve the right to reject any or all bids.  
 A. BARNEY, Chairman Building Committee.

[Proposals continued on next page.]

PROPOSALS.

CUT STONE, BRICK, CEMENT, AND SAND. Proposals for Cut-Stone Work, Bricks, Cement, and Sand for the U. S. Custom House, Court House, and Post Office at Memphis, Tenn.

OFFICE OF THE SUPERVISING ARCHITECT, TREASURY DEPARTMENT, WASHINGTON, D.C., Dec. 14, 1877.

Sealed proposals will be received at this office until 12 M., on the eighth day of January, 1878, for furnishing and delivering at the site of the U. S. Custom House, Court House, and Post Office at Memphis, Tenn., all the Stone Work, cut and squared ready for setting, 40 M. more or less, best quality pressed facing bricks, and 1,330 M. more or less, hard burned common bricks, 2,500 bbls., more or less, best cement, and 620 cubic yards, more or less, clean, sharp sand, required for the superstructure of that building.

JAS. G. HILL, Supervising Architect.

MARBLE TILES.

Proposals for marble tiling for halls and corridors of the United States Court House and Post Office at Raleigh, N. C.

OFFICE OF THE SUPERVISING ARCHITECT, TREASURY DEPARTMENT, WASHINGTON, D.C., Dec. 11, 1877.

Sealed proposals will be received at this office until 12 M. on the 4th day of January, 1878, for furnishing, delivering, and laying all the marble tiling, borders, thresholds, etc., for the halls and corridors of the United States Court House, and Post Office at Raleigh, N. C., in accordance with drawings and specification, copies of which can be had on application at this office, or the office of the Superintendent.

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(Copy.) N. Y. CHAPTER OF THE AMERICAN INSTITUTE OF ARCHITECTS, 123 BROADWAY (COR. CEDAR STREET), NEW YORK, Jan. 16, 1877.

MESSRS. JAMES R. OSGOOD & CO. Gentlemen, - At the close of the first year of the American Architect and Building News we desire to express our satisfaction at its establishment, and at the way in which it has been conducted. The excellent literary character it has maintained is calculated to commend it to persons of intelligence and culture outside the profession; and by this interesting the general public in professional matters at the same time that it presents them from a strictly professional point of view, it is doing both the profession and the public the greatest service.

It would be a great gratification to us if it could also be made, as it deserves to be, the customary and recognized channel of communication, through its correspondence and its advertising columns, between architects, the makers of building-appliances, and the public. This would be a personal convenience indeed to ourselves, as the pages of the journal are more handy and easy of reference than cards and circulars.

You are at liberty to make any use of this communication that you may judge best adapted to forward the interests of the journal, - interests which are in our judgment also those of the profession itself. Wishing it every prosperity, we are

- Very respectfully yours, R. M. HUNT, HENRY DUDLEY, CHARLES C. HAIGHT, EDWARD H. KENDALL, HENRY FERNBACH, WM. A. POTTER, EMLEN T. LITTELL, R. M. UPJOHN, CARL PFEIFFER, GEO. E. HARNEY, NELSON L. DERBY, A. J. BLOOR, CHARLES F. MCKIM, H. HUTTON HOLLY, HENRY M. CONGDON, H. J. HARDENBERGH, CHAS. D. GAMBELL, JOS. SANDS, CHAS. W. CLINTON, R. H. ROBERTSON, R. G. HATFIELD, O. P. HATFIELD, GEO. B. POST.

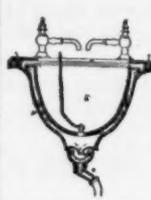
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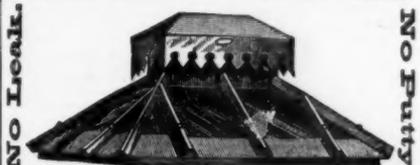
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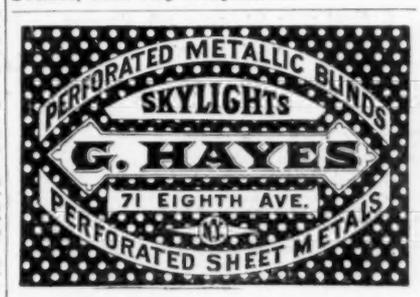
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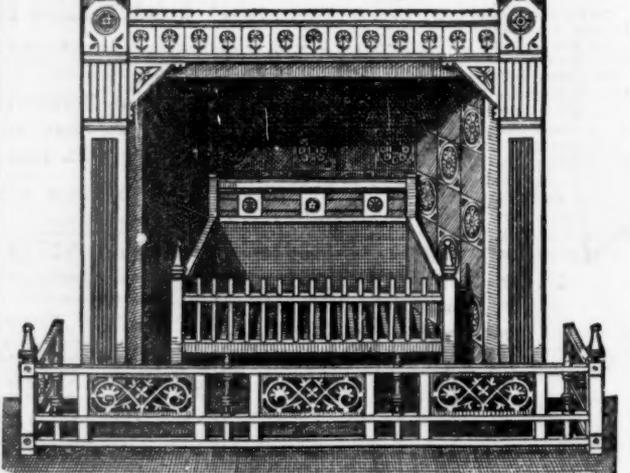
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point, however distant. Correspondence solicited.  
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