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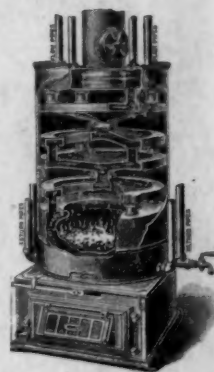
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VOL. XLII.

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DECEMBER 30, 1893.



## SUMMARY:—

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A RATHER painful story of an attempt to "build cheap" is to be extracted just now from the Boston daily papers.

It seems that, about three years ago, the Legislature of Massachusetts, after repeated applications from the Board of Lunacy and Charity, decided to build a new State lunatic asylum at Medfield. It was supposed that the buildings would cost somewhere about five hundred thousand dollars, and the Legislature appropriated five thousand dollars, or one per cent on the intended cost, "for preparing preliminary plans and estimates, and for the paying of the expenses of a commission to be appointed under the act to carry out its provisions." A commission of three persons was appointed, and instructed "to travel all over the country" for gathering information, and then to procure the preliminary plans and estimates. How much money was left to pay for plans, after the expenses of the tour of the commission had been defrayed, does not appear, but an architect was found who was willing to make some plans, which are said to have been skilfully arranged, and to have met with approval, not only from the commission, and the committee of the Legislature, but from hospital directors. In 1892, the Legislature, having, through the commission, purchased land for the purpose, appointed a board of seven trustees, to carry out the project, instructing the trustees to select from their number a building-committee of three members, who should have "complete control and management" of the building operations, and appropriated five hundred thousand dollars for the work. One of the members of this building-committee was a lawyer, the second was a jeweller, and the third was a mason and contractor. Working-plans were now the next things required, and, as soon as the committee had organized, it began to dicker with architects again. Each member of the committee had his man to propose. The lawyer advocated the employment of a young architect, who had official recommendations; the original architect was a friend of the jeweller, while the mason, who, as he says, feared that if the jeweller's friend were employed, he would be the "tool" of his patron, proposed some townsmen of his own. The idea that the designer of the plans which had been so unanimously approved, who was an architect of great experience and excellent character, had any claim to be employed to carry them out, never seems to have entered the head of any of the committee. As the suspicions of the committee, that the architects would be the "tools" of their respective advocates among the members, seem to have been mutual, the problem was solved by inviting bids from the three candidates for the work of carrying out the plans of No. 1. The contractor's friends do not seem to have entered with much ardor into the committee's views, for their bid was the highest of the three. No. 1 himself came next; but the lawyer's young friend was a thousand dollars lower still; and the

"job" was awarded to him, the committee, however, making with him a contract, by which they reserved the right to discharge him at any time.

ACCORDING to the reports in the Boston papers, some curious proceedings followed these preliminary arrangements. A contract was first awarded by the committee to a local firm for the foundations of the water-tower, which were to be put in under the superintendence of the engineer employed by the committee, and subject to his approval. Soon afterwards, the mason, who, as the only practical member of the committee, was detailed to make frequent visits to the ground, discovered that the tower foundations were, as he says, being put in with rotten field-stone, instead of quarried granite, as specified; that clay was being used instead of sand, and that the cement was of inferior quality. What the superintending engineer was about when this sort of work was going on does not appear, but the practical committee-man reported in writing on the subject to the full committee. This step, which certainly seems justifiable, "won for him," as he says, "the enmity of the contractors," one of whom afterwards pursued him to the hotel in Medfield, threatening and abusing him. The next contract, which was for the administration-building, was awarded to a firm, consisting of the junior partner of the belligerent stone-mason, and a man with little or no knowledge of building. The firm thus constituted sublet the contract, or a portion of it, to a man who was reported to have an interest in a large granite quarry in the neighborhood of the asylum grounds. About the same time, the contract for the pumping-station was awarded to another firm, which had an office in the same room with the first. While these things were going on, the lawyer member of the committee, according to his own statement, met the principal owner of the granite quarry just mentioned, who communicated to him the agreeable intelligence that he was going to make him a present. A few days later, the present arrived, in the shape of a check, which is reported to have been for fifteen hundred dollars, although the recipient does not seem to have mentioned the exact sum. What the lawyer had done to merit this donation is not quite clear, but he appears to have thought it to be a mark of gratitude for his services in securing the appointment of the young architect, in whom he supposed that the quarry-owner was interested, and, with that idea, he added it to his bank account. As the work went on, the rest of the committee, who had not received any corresponding marks of esteem from the architect's friends, became dissatisfied with the service that they received from him. Drawings, as they say, were delayed, and they imagined that there was an effort on the part of the architect to make the buildings cost more than the appropriation. It is hardly necessary to say that such suspicions are very apt to enter the heads of inexperienced men who find that an architect discourages their blissful anticipations of getting building-work done for less than it is worth; but when, after preparing their own estimates, which led them to suppose that the plan could be carried out for two hundred thousand dollars more than the original appropriation, they discovered that the architect had been before the committee of the Legislature, and had informed them that, in his judgment, a much larger increase would be necessary, they could no longer contain their wrath, and summarily discharged him.

WHEN followed another chapter in the eventful history. The committee's relations with the contractors were not rendered any more agreeable by the removal of the architect, and, after prolonged altercations, the firm which had contracted for the administration-building declared open war, and appealed to the Governor and Council for the removal of the committee, alleging that they had without cause removed the architect, and were trying to substitute for him the original architect, the author of the plans; and, in general, that they were troublesome, unreasonable and malicious. The Governor and Council, after examining the evidence, began proceedings by demanding the resignation of the legal member of the committee. This was promptly tendered, but two weeks or so later the other two members were requested to



resign forthwith. The Governor accompanied his request with the comforting assurance that his action conveyed no imputation on the honesty of either, but, in his opinion, the "constant trouble and friction" which the committee had had, with the State authorities "and others with whom it had had dealings," had impaired public confidence "in the committee, and destroyed its usefulness."

WITHOUT pretending to criticise the action of the high State officers, who were certainly well informed on the subject, we cannot help thinking that, after the mistake had been made of appointing on such a committee three men who had no qualifications whatever for their position, for the practical knowledge of brick-laying possessed by one member cannot be considered entire qualification for conducting a great building-work of the most delicate and complex character, it is much to be regretted that it should have been found necessary to remove them at the request of the contractors with whom they had had "friction." While knowledge of the subject with which they have to deal, and tact in business relations, are excellent things in public officials, honesty is another equally excellent thing. If the State chose to dispense with the former, it should at least cling to the last, and, until the lowest bidder on public work becomes a different being from what he is now, an honest man cannot conscientiously supervise his work without some "friction." As in President Lincoln's story of the woman who thanked Heaven when she heard one of her children cry, because that was evidence that it was not dead, so, in public building work, "friction" between the contractors and those who have to look after their doings is a good indication that the supervision interferes with the profits of the contractors, to the advantage of the State. It does not follow that the public gain is in proportion to the violence of the irritation, but even a rusty tool that cuts is better than the smooth, edgeless blade with which the destinies of most of our public building-work are shaped.

THE noble order of the Knights of Labor has been undergoing a season of agitation, which has culminated in a change of officers. A few weeks ago, a meeting of the order was held, during which a member had the bad taste to rise, and, in a somewhat violent manner, charge the rulers of the association with general malfeasance, asserting that he would give particulars if he could get hold of the books of the order. Some of the books in question were lying on the officers' table, and he, in the heat of his zeal, made a dash for them. He was intercepted by some of the loyal members, and cheered on by the others, and the meeting broke up in tempestuous confusion. A season of private laboring with the iconoclast appears to have followed, for, at a subsequent meeting, he formally withdrew his charges, and harmony once more spread her beneficent wings over the mighty order. However, at the election, which followed, Mr. Powderly thought fit to decline further service, and Mr. J. R. Sovereign was elected in his stead, as General Master-Workman of the order, while an Executive Board was chosen, composed partly of the adherents of the former régime, and partly of the representatives of the malcontent faction. Mr. Sovereign is a comparatively young man, with a considerable reputation for energy, and shows indications of possessing a much wider range of ideas than his predecessor. There is no doubt that a man of sincerity and intelligence can do an immense amount of good in this position, and Mr. Sovereign will have the support of the whole country in everything that he can accomplish for his fellow-workmen which does not involve the plottings, and blackmailings, and wanton violence, and secret missions, and accusations, and hushings-up, and the general air of mystery and conspiracy, which have, at times, made the former administration worse than ridiculous.

ONE of the heaviest loads which the Knights of Labor, like all other labor associations, will have to bear is the connection which they have allowed to be established in the public mind between them and the bomb-throwing assassins who are getting to be the most conspicuous element of modern life. After the last exploit of one of these lunatics, the French Socialist journals hastened to explain that their constituents had no sympathy with such manifestations, but the

fact nevertheless remains, that the principal labor-unions, both in this country and abroad, have again and again officially expressed their regretful respect for the memory of the Chicago Anarchists, the basest and most cowardly of the whole tribe, while Anarchist doctrines are constantly and industriously disseminated among the labor organizations by means of newspapers and orators. So far as can be perceived at present, the prospect is that crimes of what may be called scientific violence will increase, and it is certain that there is no possibility of guarding against them. With our present knowledge of chemistry, any man of moderate scientific attainment, with a few hundred dollars, could contrive means for destroying many thousands of innocent lives at once. So far, the persons possessing this knowledge have not thought of using it for such horrible purposes, but the advance of education has begun to bring it within reach of a class of people who have a monomania for murder. There are plenty of these, who, for the most part, content themselves with writing to the Labor journals directions for manufacturing nitro-glycerine at home, and for making bombs, and throwing them effectively at "capitalists," or "hireling" policemen; but, as the sport of destroying life becomes safer for the sportsman, and more deadly to his game, these Anarchist gentry will not be able to resist the temptation to take a hand in "overthrowing the social order" for themselves. When this time comes, there is no fear that the honest and good-hearted men who form the vast majority of the members of all labor organizations will not repudiate with horror the companions who have forced themselves into membership with them, for their own purposes; but it would be still better for them to open their eyes now, before they become, in the eyes of the world, accomplices in the crimes which are daily proposed to them, and refuse, openly and consistently, to give any countenance to the people who advise them to better their condition by crime.

M. SALOMON REINACH has a short article, in the *Chronique des Arts*, on two new attempts at restoration of the Venus of Milo. The first is that proposed by M. Furtwaengler, Conservator at the Berlin Museum, in his new work, the "*Masterpieces of Greek Sculpture*." In this book, Furtwaengler maintains that the left hand of the statue held an apple, and was supported by a little column, on the capital of which the elbow rested. The right arm, he thinks, hung at the side, with the right hand in contact with the drape. An artist would hardly have chosen such a pose for a figure intended to be beautiful, but M. Furtwaengler points out that there is an intaglio in the Berlin Museum, representing Aphrodite in such an attitude, and that the coins of Milo show a figure of Fortune in a similar one. He thinks that the statue was executed about 100 B. C., in imitation of a work of Scopas. The second theorist, Mr. Bell, a well-known English sculptor, thinks that the statue stood in a theatre, in the capacity of *Venus Donatrix*, or Dispenser of Prizes, and that she held a laurel wreath in each hand, one hand being extended, while the other hung at the side.

M. REINACH finds it impossible to agree with either of these conjectures. Mr. Bell's is defective, in that there is no antique precedent for a figure holding two wreaths, while it ignores the fact that fragments of the left arm, with the hand holding an apple, were found with the statue. M. Furtwaengler's idea, that the statue belongs to so late a period as 100 B. C., hardly accords, M. Reinach thinks, with the "marvellous suppleness" of the workmanship, which is unlike anything else known of that date, to say nothing of the ungracefulness of the composition which it suggests. Mr. Stillman may have something to say on the subject which would be interesting, but, to persons outside the archaeological pale, it seems as if a skilful figure draughtsman, like many of the Parisian painters and sculptors, could tell in a moment whether the figure was intended to have the left arm outstretched without support, or whether the elbow of this arm rested on a colonnette. Indeed, independent of the difference that there would be in the balancing of the figure for the two positions, there ought to be enough left of the shoulder, if not of the deltoid muscle of the left arm, to show whether the contraction indicated the holding of a weight in the outstretched hand, without intermediate support, or the resting of the elbow on some substantial object.

MUSEUM OF NATURAL HISTORY.<sup>1</sup>—II.

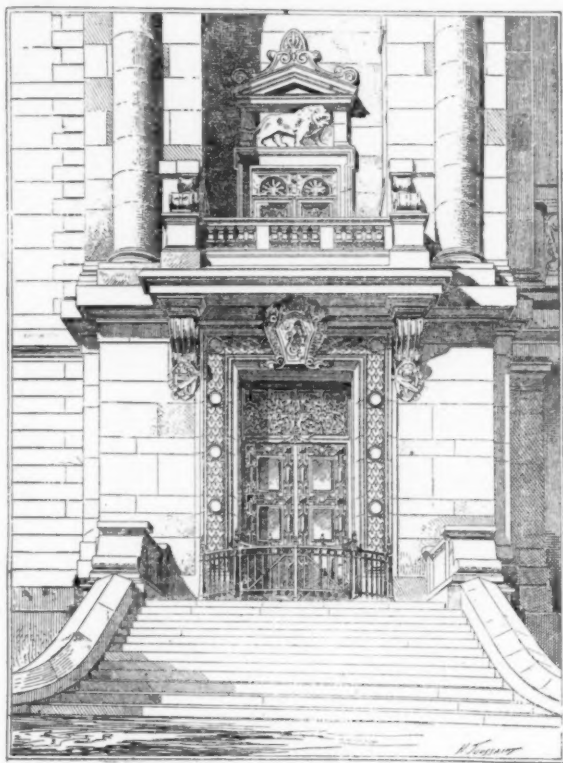


Fig. 3. Details of the Façade.

THE architectural decoration is of the plainest. It is, in fact, useless to try to make the rooms of any museum interesting otherwise than in the objects exposed. The ornamentation, therefore, allows only of the indication of the construction; but instead of leaving in view what might be termed the skeleton of the edifice, the architect has tried to clothe it with a more pleasing form, though a simple and



Fig. 4. Tribune of the Main Gallery.

rational one, beneath which can be detected the internal structure, as the skeleton beneath the muscles of a well-proportioned human body.

In the first story is the principal gallery, signalized on the

<sup>1</sup> From the French of Pierre André, in Planat's *Encyclopédie de l'Architecture et de la Construction*. Continued from No. 939, page 144.

façade by the grand Corinthian order. This is the hall of honor of the Museum. An admirable ornithological collection is exhibited in it. The vaulting, built of iron, has a double curve. Here, too, the finishing is such as to enable one to divine the construction beneath the plaster. There are no embellishments, no useless nor conventional projections. The springing of the arches is merely indicated by a well-disposed console.

The large doors at both ends of the hall open on the first landing of the staircases. The second turn takes the visitor up two-thirds the height of the gallery, which is materially higher than the gallery on the ground-floor. At these points, the architect has introduced tribunes from which one may get a general view of the hall, its dispositions and contents, as well as a pretty perspective effect. They are over the two doors and furnish also decorative motives, in woodwork, at the two extremities of the apartment.

It is from this intermediate story, on the right and left of the tribunes, that the stairway with a double flight of steps begins which accommodates the third and upper gallery; the roofs are very high, enabling the architect to establish on

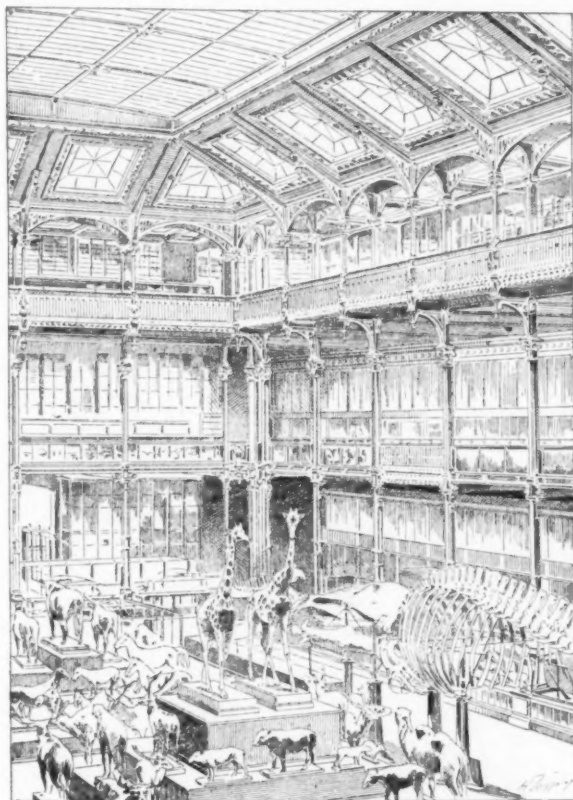


Fig. 5. Zoological Gallery.

the same plane with the other two a long hall six metres in height. Light is admitted from above and falls vertically on the collections of small animals gathered there.

We have said that the centre of the composition was a large hall lighted through a glass roof. This is really the museum for the vast quantity of objects exposed here, and it is also, perhaps, the most interesting part of the edifice from an architectural standpoint. The problem of covering great spaces with iron was solved long ago, but these immense structures often have only a provisional character or one of simple utility, and the forms, while remaining such as are proved necessary by mathematical calculations, seem indeed to be merely the materialization of an algebraic formula. Though it may be true that construction in iron is making constant progress, can the same be said of the architecture of iron? Everything here is still to be discovered or invented. New forms must be applied to a constructional process that is still quite undeveloped. It would be a mistake to endeavor to reproduce in metal the dispositions adopted for stone or wood. In this respect the great hall of the Museum marks a move in a new direction, and every attempt of the kind will advance this art for which no tradition exists.



The hall roof is borne by forty cast-iron columns which likewise support the galleries or tribunes extending entirely around it. In the tribunes, which are eight metres wide, a large number of glass cases are placed. At the centre, standing on the floor, are the specimens of the larger animals; the smaller ones are disposed in the different stories, with insects and small crustaceæ at the top. The light, which is admitted from above, is thus favorable for examining the most delicate species in all their details.

The floor of the hall is raised along the walls six steps above the centre. This disposition enables one to get a general view of the collections from the ground-story. A still more striking general view is obtained from the other stories, where care has been taken to leave open spaces along the outer balustrade of each gallery, from which the visitor can look down upon the central scene.

The columns, which start from the floor, are light, as they must not obstruct the view nor mask the dimensions of the room by their bulk. Strengthened at the base, their decoration is also the expression of the construction, for their slightly cruciform section is that which offers the best resistance and which avoids also the inconveniences that may attend the casting of hollow columns. The points of support, five metres apart, have been brought nearer together at the angles; this disposition is pleasing to the eye and is necessary in order to assure the stability of the construction.

There might be some difficulty in joining the roof to the vertical walls of such a room; to do away with all stiffness at the angle, the architect took a fancy to corbel out the upper gallery beyond the pillars, while at the same time allowing the latter to run straight up from the floor. At the outer side of the corbelled portion are fine cast-iron columns which unite by means of a great openwork console with a slanting section of the roof lighted through large, glass caissons. Lastly, the roof above the centre is slightly curved. There is no stiffness, no sudden break in the lines, the eye follows the form of the room from floor to roof.

Two main public stairways and numerous service stairways accommodate the different stories. Each of the two grand staircases occupy a rectangular cage, 11 metres by 8.50m., rounded in a vigorous style at the angles. The disposition of the steps, 2.50m. in breadth, and their easy slope (1.14m. x 0.40m.) greatly facilitate circulation. The first flight is of stone and is borne on a supporting wall surmounted by a balustrade. The rest is constructed of iron, with wooden steps.

It is always difficult to join the metallic part of a construction to the stone; usually the two materials seem to be juxtaposed and not united, as the decorative elements are essentially different in them. For this reason, the harmonizing of



Fig. 6. Lower Part of the Staircase.

the iron part of the spiral staircase with the first flight of steps had to be most carefully studied; the architect has endeavored as in the large hall, to give to every part an ornamentation fully in accord with the material used. The notched board, with its fine mouldings in the straight portions as well as in the curved, the iron balustrade, with its supports corresponding to the division of the steps, the hand-rails along the walls, varying for the straight and slanting sections, in a word, the smallest details have all been made the object of

special thought. The under sides of the flights are also simply and appropriately decorated. Thus, without any useless display of luxury, the architect has endeavored to give each object its suitable expression.

The impression produced by the edifice is that of a solid, substantial structure, luxurious only in the minute care brought to bear upon the conception. Nowhere does a conventional or an exaggerated decoration appear to annoy the eye. The

architect has demonstrated his skill in converting into compositional motives the smallest requisites of construction or utility. Is not this the true architectural art as it is now understood?

PIERRE ANDRÉ.

## REGENSBURG. — II.



Entrance to the Rathaus.

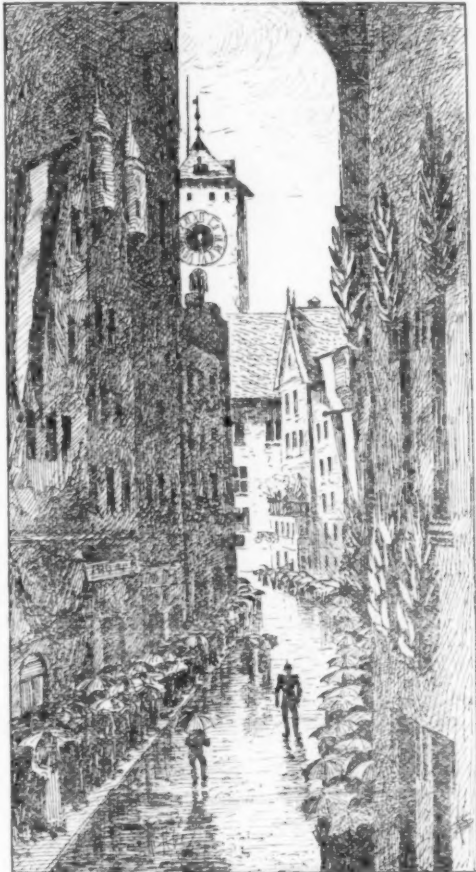
A FAR more interesting building is the Jacobsor Schotten Kirche, a simple basilica with nave and two aisles, and very similar to the church of the same name at Bamberg. It formed part of the Benedictine convent founded by some Irish monks, and was finished about the year 1180. The roof of the nave is flat, but the aisles are vaulted. The single-shaft pillars of the nave are surmounted by capitals with all manner of grotesque sculptures — lions, monks bearing burthens, women carrying baskets of fish, whales, dogs, pigs, dragons, and the like. On the right of the door is a curious bas-relief of a porter, one Ryden; and upon the high-altar a Romanesque and somewhat rudely carved wooden crucifix of the twelfth century. The church has been very well restored (1871-73) and richly decorated with frescoes both at the east and west ends. The western apse is used as a baptistery.

The portal is at the north side, and is a most curious specimen of Romanesque symbolic sculpture. It was built in 1110 and represents the triumph of Christianity over Paganism in a series of bas-reliefs. In the centre is a large figure of our blessed Lord with the book of life; on each side the twelve Apostles go forth two and two, to preach the Gospel. The eight figures supporting the slab above are the fathers, as pillars of the church. Three monks with books are the wandering preachers of the Faith, who brought the Gospel to Germany — probably St. Boniface and the Irish founders of the monastery. Below this, the Church, as a woman with the body of a fish (the symbol of purity, as it can only dwell in the pure element, water). The Incarnation is symbolized by a lion which vomits a young one, and its fruit, as a dragon which is forced to give up its power over the world. The Resurrection is, of course, Jonah thrown up by a dreadful beast with the head of a whale and the teeth and tail of a crocodile. The faithful tread under foot those who have no part in the Resurrection, the heathen, represented as basilisks, dogs and swine. The lion devouring some animal is a symbol of the glory of the Lord in overcoming His foes. Around Him we see the redeemed, joyful and triumphant; on the other side the wicked bearing their punishments. In the tympanum is our blessed Lord as Prince of Peace, surrounded by ten lions.

"How are the mighty fallen" might be said of Regensburg in general and of its Rathaus in particular. When we think of the mediæval processions winding in and out of the tortuous lanes and alleys, and of the old town-hall which, for 143 years witnessed the sittings of the Diet, how exceedingly commonplace and dull the ancient city has become. Who that has the smallest grain of imagination can help picturing to himself as he walks up the steps of the Rathaus, the magnificence of the members of the Imperial Diet as they wended their way up those winding stairs to the great hall: the Imperial Provost, the jester of the hereditary marshal, accompanied by servants in yellow liveries and other satellites in silken mantles; the Imperial Quartermaster, the hereditary marshal, and all the foreign ambassadors; the abbots and bishops, the princes and other

<sup>1</sup> Continued from No. 938, page 135.

representatives of the Holy Roman Empire, all of them clad in the most gorgeous of robes. Who is there that would not like to be wafted back into the seventeenth century just for one short day? But although we cannot conjure back the inhabitants, we can gaze upon the hall in which the sittings were held, and rest upon the old benches which were formerly occupied by the members. In the



Street leading to the Rathaus.

centre, at one end, is the Imperial throne, an armchair, and at the other end a gallery for musicians. Along both sides of the hall are rows of square windows, each with four lights; and in the centre, upon the side of the street an oriel-window built out upon an upright support.

The oldest part was built about 1330, and the great hall finished in 1408. In 1810 a silent witness of the brutality of our forefathers was removed — an iron cage which had been erected and placed under the balcony in 1559, as a receptacle and temporary lodging for disturbers of the public peace and other vagabonds, and evil-minded women folk. In front of the old building many a scaffold was erected, where those who survived the torture-chamber in the dungeons were put out of their misery. And Regensburg, like many another city, killed its best friends: Wolfgang Roritzer, the master-builder of the Dom, the embellisher and beautifier of the town, suffered death there in 1514, for no greater crime than adherence to some unpopular political opinions.

In the Nebenzimmer are a number of flags and banners made for the town militia by order of Bernhard von Weimar, many portraits of city worthies, curious pictures of the Regensburg of yore, and a splendid yellow silk damask canopy embroidered with the Imperial arms, which was borne over the Emperor Mathias when he made his entry into the city in 1613.

In the Modell Kammer are some very curious working models of churches, gates, and the old bridge as it appeared in 1724, the latter particularly interesting as showing its drawbridges, its three turrets, and the portion which formerly descended to the island Wöhr. The upper and lower Wöhr were originally one island, but in 1304 the Danube overflowed the narrow tongue of land between them, and it is also to an overflow of the river in 1784 that the old bridge owes the loss of its central tower; the third, that on the Stadthof side, was destroyed as late as 1809.

The tapestries are well worth minute study. The oldest, of the fourteenth century, consists of twenty-four medallions of love-scenes and inscriptions, as for instance, Tristan and Isolde. In between these are fantastic figures and ornaments worked upon linen, but much destroyed. Another, of the first half of the fifteenth century, represents "Frau Venus" (she who lived in the caves of the Hartz Mountains) surrounded by her court, as she received Tannhäuser. (A part of this tapestry is in the National Museum at München).

A third piece, also of the fifteenth century, is a complete mine of wealth for the history of painting and the symbolism of the Middle Ages. At a period so bestained by war and bloodshed, it was a common conceit to represent upon tapestries, not material battles which were settled one way or another by the belligerents, but spiritual struggles, the endless fight undergone by all men, between good and evil. Thus we see arrayed upon one side the cardinal virtues in the form of delicate maidens, and upon the other, hideous beasts, bearing arms, the symbols of the vices. Pride rides upon a prancing horse to meet Humility, a young and delicate maiden. Pride has a triple crown adorned with a peacock fluttering upon the crest; Humility has her head decked with flowers. Pride carries a shield with a lion for device, and a flag bearing an eagle — his legend is:

*Ich bin hoffartig und verwegen,  
Und tret ich nieder was ich sehen.*

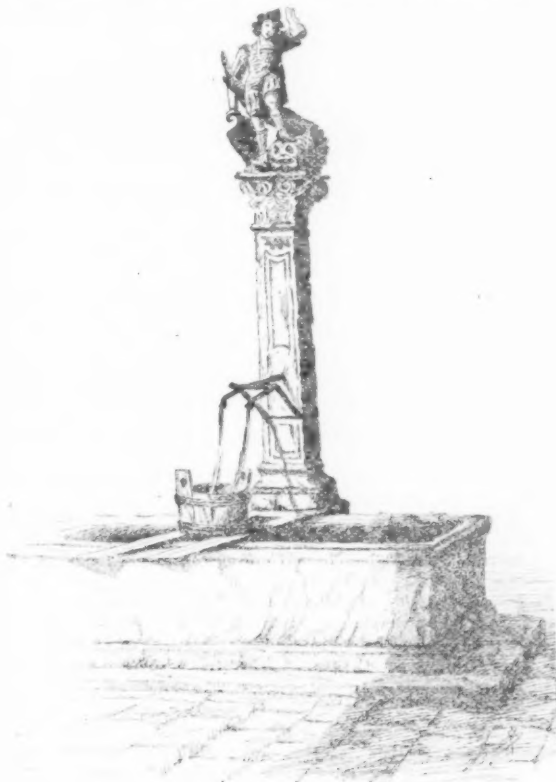
The sweet maiden, Humility, bears a shield with an angel as device, and on her flag a picture of Christ — her legend is:

*Ich hoffe dich zu bessern.  
Wenn bessern hochfart dich lau.*

Upon the opposite side, Faith, Hope, and Charity defend themselves against Unbelief, Despair, and Hatred, who are vigorously attacking the castles of the Virtues.

The fourth tapestry represents the wild people, who, according to the superstition of the Middle Ages, dwelt in the deep forests.

The dungeons are as complete in all their ancient horrors as those of the Doge's palace, perhaps more so, as the torture-chamber remains just as its last owners left it. Down many steps we come upon a series of underground cellars, perfectly dark, and without any means of proper ventilation. The cold (in summer) is intense, and the dampness chilling. In the centre of one dungeon is a trap-door through which the prisoner must have been dropped, as there is no other means of communication. If he were allowed to live in such a tomb, food must have been let down through the same hole, but it is more probable that, like the *oubliette* at Chillon and other places, it was a means of getting rid of a prisoner; he dropped out of life as it were, and was forgotten. The torture-chamber is a lofty dungeon with one side partitioned off by a trellis-work screen, behind which the judges sat unseen by the culprit, but hearing all. At one end is the seat for the doctor. In the centre is a rack, an upright ladder, up and down which the victim was pulled so that his back was



Fountain of St. Michael.

grazed by a triangular piece of wood which slid up and down; the Spanish donkey, a sharp saddle upon which the prisoner sat with stones upon his feet; an armchair lined with spikes, and other hideous inventions of brutal ingenuity. The chamber is exactly under the Reichssaal, but too low down for the members to be disturbed by even the faintest groans. It is to be hoped that the city will



always preserve the dungeons in their present state, if only as an example of the manners and pleasant customs of the good old times which so many folks affect to lament.

English people may be entertained by the tradition that in 925-30 a great fight took place in the Haidplatz, between a citizen named Dollinger and a knight called Krako, a Hun, in the presence of Heinrich I and St. Oswald, King of Northumberland.<sup>1</sup>

Some of the ancient laws and customs of the city are curious reading, as, for instance, one of 1320, forbidding the citizens to go out without a lantern after the ringing of the curfew; and even although armed with a feeble light, the grandfatherly government preferred the people keeping at home by reason of the frequent disorders which took place. The town was not publicly lighted until 1783. As in so many old German towns, a watchman still passes the night upon one of the towers, to ring the tocsin in case of fire, though not, as at Göttingen, blowing a horn every hour to show the inhabitants that he is still awake and watchful.

In 1659 punishment in the shape of a fine was accorded to those who, like Michel Sieber, were continually boozing in the beer-shops and leaving their wives and children to hunger. In 1522 thieves were deprived of their ears or were drowned; a boy who had stolen the veil and ornaments from a statue of Our Lady in the cathedral, was beheaded. And yet in spite of these severe punishments the candle-sticks in the Dom had to be chained. Deserters also had their ears cut off and lost the freedom of the city forever. Those citizens who evaded paying the taxes on bread, meat and fish, or who sold short weight were compelled to spring into the water, which must have been certain death if the Danube were as swift then as now. In 1558 it was forbidden openly to sell noxious melons and potatoes, and brewers were punished for selling bad beer by having the casks and their contents thrown by order of the magistrates from the tower of the market-place into the Bach below.

In 1612 Kaiser Mathias made a grand entry under the canopy of yellow damask mentioned above. The poles supporting the drapery were ornamented with silver-gilt eagles. The Emperor wore a gold-embroidered robe bordered with pearls and precious stones, a mantle of orange-colored damask and a white hat and heron's plumes. Round his neck hung the order of the Golden Fleece. He rode upon a dun-colored horse whose harness and saddle were also decorated with pearls and jewels. After him followed the Empress in her bridal coach and surmounted with a golden crown and lion rampant and driven by a coachman arrayed in golden damask. The "goldamastenen Himmel" was borne by six members of the Council, and the whole procession, numbering hundreds of men and 1,886 horses, wended its way to the Dom where the Emperor was received by the ecclesiastical authorities, including six bishops. But these pageants were very costly to the citizens, as it was the custom to compensate the exalted personages for their trouble by presents in money and in kind. On the above occasion the Kaiser was offered a goblet as high as the table, filled with 500 pieces of gold, also two wagons of wine, two of oats and four tubs of fish; the Empress was also presented with a goblet of gold-pieces and the same quantity of wine and oats and three tubs of fish. In 1636 Ferdinand III was crowned king in the Dom and elected future Emperor, and upon this occasion the streets were covered with red, white and gold cloth from the Bischofshof to the Cathedral and from thence to the Rathhaus. A proclamation, given amidst the thundering of cannon, invited all the notables to a banquet at the Rathhaus. The Emperor was carried upon a raised chair under a canopy, resplendent in Imperial robes, crown and insignia. Following him came the newly-crowned king under another canopy and surrounded by the nobility. In the square in front of the town-hall stood a fountain from which red and white wine spouted. Hard by, a hut was erected wherein an entire ox was roasted, and near it a pile of oats was heaped up. Coronation coins were thrown to the people, and after the close of the entertainment the drapery and the remains of the ox, the wine and the oats were distributed amongst them.

Soon after this pageant, in 1653, the coronation of the Empress Eleonora and King Ferdinand IV took place.

Besides these Imperial festivities the citizens frequently witnessed processions of the trade guilds, but although eating and drinking, and dancing were indulged in, no music was allowed except that which was quiet, "stille musik," such as fiddles and flutes.

Regensburg, like many other places, had its boy bishops; but the "Bischofsspiel" seems to have been unconnected with any particular festival; and instead of taking place, as at Salisbury, on St. Nicholas Day, it was a movable feast depending upon the election of a new canon. The scholars accompanied their bishops about the town; but as early as 1249 the abbot complained so bitterly of their misdeeds, the smashing of doors, the carrying off of cattle and horses and other similar misdemeanors that in 1357 the custom could be endured no longer and was finally abolished.

Another custom which, like amateur theatricals, was doubtless very amusing to the actors, was continued for some centuries longer: Upon Shrove Tuesday young men went about in masks carrying an ox's skin into which they dexteriously flung the passers-by, tossing the unfortunate captives up and down. The object, of course, was to demand blackmail, and as the Jews were the principal persons attacked, the maskers naturally reaped a considerable harvest.

<sup>1</sup> This tradition must be very legendary, as St. Oswald, King, was martyred in 642, more than two centuries earlier, and St. Oswald, Archbishop of York, who was a contemporary of the Emperor, Henry I, was martyred in 922.

The town council devoted much attention to trade and commerce. Handicrafts gave their names to many of the streets, leather-sellers, lock-smiths, cutters, wool-carders, weavers, etc.; and the fame of some of their craftsmen was known all over Europe and in the far East. This was especially the case in smithing. In 1456, the Hungarians ordered 100,000 arrows of a famous smith called Hebrant. In the "Annolied" a Regensburg helmet is mentioned, and in the "Rolandlied" Ganelon carried the "beste Saks,"<sup>2</sup> the work of one Madelgers, a Regensburg smith. All over the town there are innumerable specimens of exquisitely fine wrought ironwork, in the way of grilles, signs, door-hinges and the like; indeed all over Bavaria, even in small towns amongst the mountains, the ironwork is always most artistic in design. Brewing, too, was always a flourishing industry, an inhabitant of Regensburg being the first to brew wheat-beer in Nürnberg.

Nor were the Regensbergers mere craftsmen, for the convents supplied the world with books and manuscripts. St. Emmeran possessed a unique treasure, the "Codex Aureus," a Book of the Gospels, which had been given by Charles the Bald to the Abbey of St. Denis. The leaves consist of purple parchment—the writing is in gold letters. The cover is composed of various ivory tablets joined together by rich, gold attachments ornamented with pearls and precious stones. It is now, with an Evangelium full of miniatures, and a Missal by one of Regensburg's sons, a miniature painter, Berthold Furtmeyr (1481), in the town library at Munich.

S. BEALE.

## THE GREAT EXHIBITION REVIEWED.<sup>3</sup>—VII.

AS AN EDUCATOR.

"Write the things which thou hast seen, and the things which are, and the things that shall be hereafter."

OF that which was but a few days ago a great reality, there remains now but an influence. The passing show, while it existed, amused and instructed us. But its greatest object was not thus accomplished. This enterprise of a great city, endorsed by a great nation and assisted by all the nations of the earth, would never have been undertaken, like many another great spectacle that has had its day, for momentary gratification or profit. It was what any member of the Board of Trade in that same city would call "a deal in futures." It was an expensive venture and brought no direct profit; but was worth all it cost to the city in which it was held, and the balance-sheet is even.

The nations of the earth met on this spot not only to compare the evidences of their material progress, in friendly emulation, but that they might hereafter cultivate the seeds of knowledge that were there to be gathered. The cost of the Exhibition has not been what the financial report gives us. The expenditures of 100,000 exhibitors would more than double that amount. All this treasure has been poured out to obtain tangible results. In the case of the merchant or manufacturer, these are the prospective profits of business: in that of nations and states, they are increased prosperity which must result from a diffusion of the knowledge of their resources and advantages to the investor and settler; in that of the scientist or artist, the results must be the quickening of thought and the stimulation of investigation. Without these it must have been a failure.

Its influence for good must necessarily be most felt in our own country, which contributed most largely to it. Temporary financial depression will only postpone the benefits to our manufacturers and producers. It cannot extinguish them. This is not the case with Art. Depression in its market only gives time for more serious thought. The ultimate results of its influence will be the same.

The question not only is "Has the Exhibition reasonably fulfilled the expectation in this direction?" but, "Has it sowed the seed of progress?" In the quantity of exhibits in the Department of Fine Arts it has surpassed all previous experience; whether it has or not in quality we are unable to say. But this is certain, that so far as the American people are concerned, they have never before seen gathered together in one spot such a vast and varied collection of the representative productions of the arts of all nations. Nor have they before now seen such an extensive exhibit of the contemporaneous art of their own country, covering every department of the Fine Arts. For the first time in the history of international exhibitions this one has been rich in Architectural Art, both as to buildings themselves or representative buildings constructed of fictitious materials (admissible only as architectural works in such an exhibition), and designs and photographs of works executed elsewhere. Wherever a foreign country took part, its contribution was rich in exhibits of photographs of its best architecture. Decoration as applied to architecture, both in color and sculptured forms, was manifest everywhere both in our own and foreign exhibits. In painting, the largest collection ever known could be seen. Such countries as Denmark, Norway, Sweden, Poland and Russia contributed genuine surprises. Sculpture, as a special art-exhibit, was prominent, mainly from France and the United States. But the most valuable contribution was found in its application to the buildings and grounds. In this it was shown that America was in the lead, and now sculpture, which until recently has been a neglected art, except

<sup>2</sup> A short Saxon sword (*beste sächsische Schwert*).

<sup>3</sup> Continued from No. 934, page 88.

so far as concerns isolated statues, is destined to experience a revival in consequence. Never before has sculpture been so effectively employed in architecture, not alone in simple groups but in consistent scenes covering entire buildings or in out-door groups of great magnitude.

The main groups of buildings have been an object-lesson in architecture, which now that photographs are being largely circulated is attracting attention all over the world. The Grand Court is so well known in its *ensemble* as to be almost a household word, and there are few school-children even who are not acquainted with its main features. It has done more to popularize architecture as an art than any other movement of this century. Why this is so it is not difficult to see. Whether it is an example of the best architecture of modern times is another question. As for the first statement, the explanation is easy: it is the first opportunity and successful effort to produce a complete architectural symposium on a larger scale that has ever been made in this country. That the result would not be a failure was evident. Any honest effort to produce it on the part of several masters of the art, working at once in rivalry and sympathy, and each not only trying to do his best but to do the best also for his neighbor, must have resulted in a success that none but a critic bent upon finding faults instead of beauties could gainsay. Has this ever before been attempted with real buildings? Does not all human experience show that architects for neighboring structures have never worked in harmony, but that each has striven to outdo his neighbor? And in this they have been encouraged and abetted by those who employed them. Here they were working for a common client and a common object. Variety has been obtained without sacrificing harmony; and this any one, however unskilled in the art, can appreciate.

It is not intended to be said, however, that the Grand Court is beyond criticism. It has been said in these papers that one of the buildings is *almost* above criticism, and this is still insisted upon. As an example of its style, in which it is consistent, it is not to be compared to any similar building in a different style. Thus the Administration Building is not to be put in comparison with the Taj at Agra, though both are similar in proportion and equally good as examples of the two styles. The Grand Court is an example of the best that has been done with a group of buildings designed in styles that are based on what we call Classic architecture. They are of many styles, yet harmonious, and the beauty of the whole effect comes from this variety. They are not an argument for the revival of Classic styles, but only show that the Classic styles are capable of a grand effect which might also be produced in other styles if used under the same circumstances.

There is a manifest impropriety in criticising these buildings individually. They are only intended to stand for a limited period of time, and if bad, will do no harm, for they will not stand for all time, as shining examples of badness against which all must be warned. It must be remembered that they were hurriedly produced and have not received that great care in the details that would have been exercised had they been built in imperishable marble or granite. On the contrary, they are only full-sized, rough-plaster models, suggesting what they might be if more carefully developed. Their faults may best die with them, but their influence for better architectural effects will live as a potent educator in future years. It will teach us that the beauty of our cities can be enhanced as much by careful consideration of the relation between building and building as by the superior excellence of individual but adjacent structures. It will hold up to everlasting shame the destruction of street perspectives by the erection of those grasping monopolies called "sky-scrapers," which steal the very light of heaven, to leave surrounding humanity in darkness. It will demonstrate how many opportunities have been wasted in the erection of our civic buildings by wealthy States and the general government. What would the City of Washington be to-day if the great public buildings, on which so many millions have been lavished, had been gathered around a grand court of harmonious proportion and design! It is easy now to imagine.

We have also learned from these examples of the value of appropriate sculpture as an essential in architectural effect. There is nothing new in this; but it has been brought home to us by an object-lesson that many will learn who did not before understand it. Whether it will result in the increased employment of sculptors of ability in such capacities remains to be seen. The times are not now propitious, but the lesson will take deep root. A slight element of color was also introduced in these buildings, and in appropriate places paintings were applied to the walls, domes and tympana of the arches, such as might have been employed in more lasting colors and mosaic on permanent structures. Here was another object-lesson, and though not new, it came home to us, and met with a popular appreciation.

The question has been repeatedly asked, that granting the superior excellence of the World's Fair architecture, what will be its influence upon the future of architecture in America? It will undoubtedly have an influence on the grouping of buildings, in which its greatest success has been attained, wherever circumstances are such that this is possible. It will evidently result in a greater popular appreciation of the latent ability of the architectural profession in this country. Notwithstanding the great sums that have apparently been lavished on the adornment of Jackson Park—but in fact used very sparingly to produce such grand effect—it must be kept

in mind that it is only the cheapness of the material used in finishing merely representative buildings that has enabled the architects to give full vent to the exuberance of their designing powers. With these facilities they have only had the opportunity to show what they could do with permanent materials. This has been the great opportunity which never before existed, to bring the possibilities of architectural art within the view of great masses of people. In this, then, has architecture as an art been greatly benefitted.

It is not likely that these buildings will ever be reproduced or copied except by second-rate plagiarists, who will only succeed in caricaturing individual parts of them. There will never be a Grand Court again or any opportunity for one. Its great size is such that no State or Government could ever afford to produce it or anything like it on the same scale in permanent materials for any other purpose. The days of peonage in Assyria and Egypt are at an end, and labor is and will always be paid for in dollars and cents. Something like it might result only if the great buildings of Washington were all torn down and re-built in a similar group, or if the Capitol were removed to another city and at least \$100,000,000 were expended on proper buildings.

We have also learned from this, how other undertakings involving the erection of a large number of buildings may best be managed. The building of the World's Fair has been a model of administrative management in which power has been delegated to the professional men employed as never before. By no other means could so much have been successfully accomplished in so short a time. It has been free from jealousies, dissensions and corruption from beginning to end. The experience of the administrative body and the corps of professionals will be a text-book for reference for many years to come. The World's Fair of 1893 is not dead except in its visible aspects. It will be a leading topic for discussion and comparison of opinion, until another one, more complete if possible, and more fruitful of good results shall have occurred. Its contents have been scattered; many of its art-works now adorn public museums and the homes of those who have been fortunate enough to obtain them. Its great buildings, now as impressive as ever—for the absence of masses of people, once so essential to their effectiveness, is consistent with their present mantle of ice and snow suggesting repose in the highest degree—will soon fade from sight; and then we will truly remember them as a beautiful dream. To all their past glories we now say "Farewell forever," but our hearts will still beat with lively hopes for "the things that shall be hereafter."

P. B. WIGHT.

[The end.]



[Contributors of drawings are requested to send also plans and a full and adequate description of the buildings, including a statement of cost.]

MAIN ENTRANCE OF THE CONGREGATIONAL CHURCH, PROVIDENCE, R. I. MESSRS. CARRÈRE & HASTINGS, ARCHITECTS, NEW YORK, N. Y.

[Heliochrome, issued with the International and Imperial Editions only.]

DESIGN FOR TARRANT (TEX.) COUNTY COURT-HOUSE. MR. J. R. GORDON, ARCHITECT, SAN ANTONIO, TEX.

PARENTAL SCHOOL FOR BOYS, WEST ROXBURY DISTRICT, BOSTON, MASS. MR. E. M. WHEELWRIGHT, CITY ARCHITECT, BOSTON, MASS.

GRAMMAR SCHOOL, DORCHESTER DISTRICT, BOSTON, MASS. MR. E. M. WHEELWRIGHT, CITY ARCHITECT, BOSTON, MASS.

HOUSE FOR GEORGE L. BEECHER, ESQ., DETROIT, MICHIGAN. MESSRS. JOHN SCOTT & CO., ARCHITECTS, DETROIT, MICHIGAN.

NEW MEETING-HOUSE FOR THE HAVERFORD (PA.) MEETING. MESSRS. BAILY & TRUSCOTT, ARCHITECTS, PHILADELPHIA, PA.

#### [Additional Illustrations in the International Edition.]

THE COLUMBUS ARCH IN THE PERISTYLE, WORLD'S COLUMBIAN EXHIBITION, JACKSON PARK, CHICAGO, ILL. MR. CHARLES B. ATWOOD, ARCHITECT.

[Gelatine Print.]

FOUNTAIN ATTRIBUTED TO DONATELLO, VILLA REALE, FLORENCE, ITALY.

[Copper-plate Etching.]

This white marble fountain detaches itself against the background of the grotto upon a wall of which is cut a bas-relief representing a group of animals from Noah's Ark.



## THE SALON, ALTHORP PARK, NORTHAMPTON, ENG.

NEW STABLING, GROVE HOUSE, HARROGATE, ENG. MR. T. BUTLER WILSON, ARCHITECT.

THESE buildings are placed about 200 yards northeast of the house. The buildings have been designed in the English Renaissance style, and are placed due north and south. They are erected of local sandstone, with tooled dressings to doors and windows. The roofs are covered with Peake's red roofing tiles, and half-timber work, fitted in with rough casting, has been introduced here and there with good effect. The approach from the house is by a broad carriage-drive to the front of the stables, where is situated a fore-court, surrounded by a low stone wall, with quaint posts finished with spherical balls. The entrance archway (a relic of the Dragon Hotel — which for some time was the home of Mr. Frith, R. A.), forming a central feature, has over it a clock-chamber, belfry and clock-tower rising to a height of 50 feet. On the right of the tower is the coachman's house, while to the left are placed grooms' waiting-room and harness-room. Passing through the arch under the tower — which is filled by a pair of handsome wrought-iron gates, while the inner arch is screened by heavy oak doors — we reach a glass-covered court, from which entrance is obtained to the principal stable, coach-house, Turkish-bath, grooms' waiting-room, harness-room, coachman's house, and, in fact, every portion of the building without passing into the open. Beyond this we have an open courtyard, surrounded by a glass-covered causeway, with concrete floor falling to a central water-waste. The range of stabling on the right consists of four loose-boxes and eight stalls. The passageway behind the stalls gives a width of 9 feet, and is crossed from every stall by a protection bar. The floor is paved with patent buff bricks and the walls have a dado of specially-made glazed bricks, also of buff color, above which they are finished in hard stucco. The stables, which are lit on both sides by patent casement windows, rise to a height of 12 feet. The ceiling is formed of planks, 9 inches by 4 inches, on 12-inch by 12-inch pitch-pine beams, supported by moulded stone corbels. The hay and corn chests are placed in arched recesses, and are fed from hay and corn chambers above. Over each stall the name of the horse is placed in a neat iron frame. Immediately beyond the stable, and in conjunction with it, are two stud boxes, 19 feet by 12 feet. Returning to the court-yard on the opposite side, we have the principal coach-house, giving accommodation for twelve carriages, the openings to which are fitted with revolving shutters. To the north of the court-yard, completing the quadrangle, is placed another coach-house, where there is accommodation for six carriages. In the angle between these two buildings is situated the hospital, which, by this means, is completely separated from the other stabling. This building, 18 feet by 18 feet, consists of loose-box and two stalls, and is lined from floor to ceiling in glazed brick. The Turkish-bath and wash-box, 19 feet by 11 feet, is approached directly from the glass-covered court, the heat for which is generated by a hot-air apparatus in the basement, and adjoining is bran-mash pan.

Over the principal stable is placed a hay-chamber, about 100 feet by 19 feet, while over the stud box are placed corn-chambers and work-rooms. Passing up a stone staircase from the opposite side of the court-yard there are two grooms' bedrooms and the owner's private room, from which, by a short staircase, the clock-chamber is approached. Here is placed the machinery of the clock, as also that of the carillon. By another flight the bell-chamber is reached, which again contains the connecting mechanism from machine to bells. Two doors open, north and south, to open balconies; in the front are a peal of nine bells. Directly over the chamber is the clock-turret. The clock chimes the Westminster chimes of the hour, quarter, and half; and at twelve, three, six and nine, tunes are played on the carillon. It may be of interest to add that these buildings give accommodation for seventeen horses and eighteen carriages, besides the detail above mentioned, and cover a space of over 1,600 super yards. They have been erected at a cost of over £6,000.

ZWINGER PALACE, DRESDEN, AFTER A DRAWING BY SAMUEL PROUT.

[NOTE: — Owing to misinformation which led us to attribute to Mr. C. B. Atwood instead of Mr. S. S. Beman the designing of the Merchant Tailors' Building, which was published in our issue for November 4, last, we have reprinted the plate and now send it again to our subscribers with the request that they substitute it for the earlier plate. — Eds.]



A LATH-AND-PLASTER CHURCH. — The little hamlet of Hazeleigh, in Essex, possesses as curious a little church as can be found anywhere in the kingdom. It is built of lath and plaster, which strike one as being singularly mean building-materials for a church. However, whatever one may say with regard to meanness, the charge of incon-

sistency certainly cannot be brought against this little church, for everything about it is mean and dirty, from the diminutive bell-turret, which alone distinguishes it from the sheds of a neighboring farm, to the sunken floor. The mean and dirty wooden doors and windows are fitted in leprous-looking walls, none of which point directly heavenward. The vestry which is little larger than a cupboard, contains a couple of dusty boxes and an odd collection of rakes and spades in one corner. The name of the chancel is given to a roughly railed-off strip at the east end of this shed-like edifice. The pews, which are not as other pews, but are like little, square sheep-pens, in which four people sit, two on each side, face to face after the manner of a railway compartment, have of course fallen with the floor, which slopes away in all directions. Viewed from either end, the body of the church presents a decidedly billowy aspect, as all the pews are pitched at a different angle. There are about ten of these pens in all, and they are of a dirty-gray color, which was perhaps once white. A few ancient vellum-bound hymn-books and Bibles lie on the little ledges. The pulpit consists of a square, mouldy, old box with a shelf placed on another box. This serves for reading-desk as well as pulpit, and over it projects a liliputian sounding-board, all begrimed and dusty. An old man who had actually been to a service in this queerest of all churches was politely requested to step into one of the pens, but declined, preferring a stool outside as being less dusty. "The service was a dreary one," continued the old fellow, "but I managed to while away the time in observing the movements of the moths, bats and butterflies which constantly flitted about." Really interesting features, though, are the sixteenth-century hour-glass stand and the register, which dates from 1584, and contains the fully emblazoned arms of "Giles Aleyn, gentleman," whilom resident of the hall when the Essex Alleynes, flourished at Hazeleigh. Many will be interested to know that one of the Alleynes, Edward by name, was the famous actor and "master of the King's bears," who, on his retirement from the stage in 1602, founded the College of God's Gift at Dulwich. — *London Daily Graphic*.

COPYING SCULPTURE BY MACHINERY. — Amateur and professional draughtsmen are familiar with the instrument called a "pantagraph," by means of which it is possible to reproduce, on a larger or smaller scale, any drawing which a person has before him. By means of a simple lattice-work, pinned to the table, every motion made with a pencil point inserted in one part of the frame is imitated with mathematical exactness by another pencil. Something of the same sort, but on a more elaborate scale, has now been applied to sculpture. A French maker of statues for churches, M. Delin, has invented apparatus by means of which he can shape a block of stone into a rough copy of a finished figure. He has the two marbles placed upright on revolving horizontal tables, which are so connected as to rotate simultaneously and with very precise agreement. A sculpturing tool, operated by electricity, is suspended from the ceiling before the block to be cut, and fixed in such a way that it advances and recedes in unison with a tracer, in the workman's hand, held before the model. The tables on which the figures stand may be raised or lowered together at the operator's will, and thus it is possible to reach every portion of the mass under the graver. The machine is intended to perform only the rougher work of the studio, and not to dispense entirely with finished touches by the hand of a true artist. M. Delin's invention is adapted to enlarging or reducing, as well as to copying. — *N. Y. Tribune*.

IS A PORCH A BUILDING? — The question as to whether a porch is a building was decided in the negative yesterday in an opinion handed down in the equity proceedings of the Ogontz Land and Improvement Company vs. Amos Johnson. The plaintiff company has developed a building tract in Abington Township, suburban to Philadelphia, and sold a lot to Johnson, the deed containing the restriction that "all buildings upon said lot shall be erected not less than fifteen feet back from the fence line." In erecting a dwelling Johnson complied with this restriction, but subsequently began to build a porch in front. The company, taking the view that a porch is a building, asked for an injunction restraining him from maintaining the structure. The court held that whether a porch or piazza attached to a dwelling is a building or merely a constituent part of it depends upon the manner of its construction. In the present case the porch is an open one, and were it to be regarded as a building within the meaning of the restrictions imposed in the deed, the court holds, objection might be maintained to steps or eaves extending beyond the limit of fifteen feet, citing several cases. Judge Weand assumed that in whatever sense piazza is used it does not convey the meaning of building. The motion for an injunction was therefore over-ruled. — *Norristown Despatch to Philadelphia Ledger, December 6*.

THE NEW ROOFING ON THE INDIANA STATE-HOUSE. — A new roof recently placed on the Indiana State-house, Indianapolis, weighs some 900,000 pounds less than the one it has replaced. The old roof was of slate, of which there were about 60,000 pieces, each weighing 16¼ pounds, or 975,000 pounds in all. The new roof, which is of copper, weighs but 75,000 pounds. The placing of a new roof was necessary on account of leaks in winter from snows melted by steam-pipes. — *Metal Worker*.

THE COST OF THE ENGLISH COAL-STRIKE. — Statistics of the great strike of the English coal-miners, recently ended, showed that during the sixteen weeks of the strike the normal output of 63,000,000 tons dropped to 39,000,000. Ordinarily 11,000,000 tons are exported and 49,000,000 tons are consumed in England in the period mentioned, but during the strike only 8,750,000 tons were exported and 27,250,000 tons consumed. The estimated loss to mine-owners, iron-masters, railroads and others was £13,255,615. Consumers paid in increased prices £1,767,000. Miners, iron-workers and other artisans lost £18,208,000. The total general loss is placed at £33,232,215. The workers rendered idle numbered 1,003,250. — *N. Y. Evening Post*.

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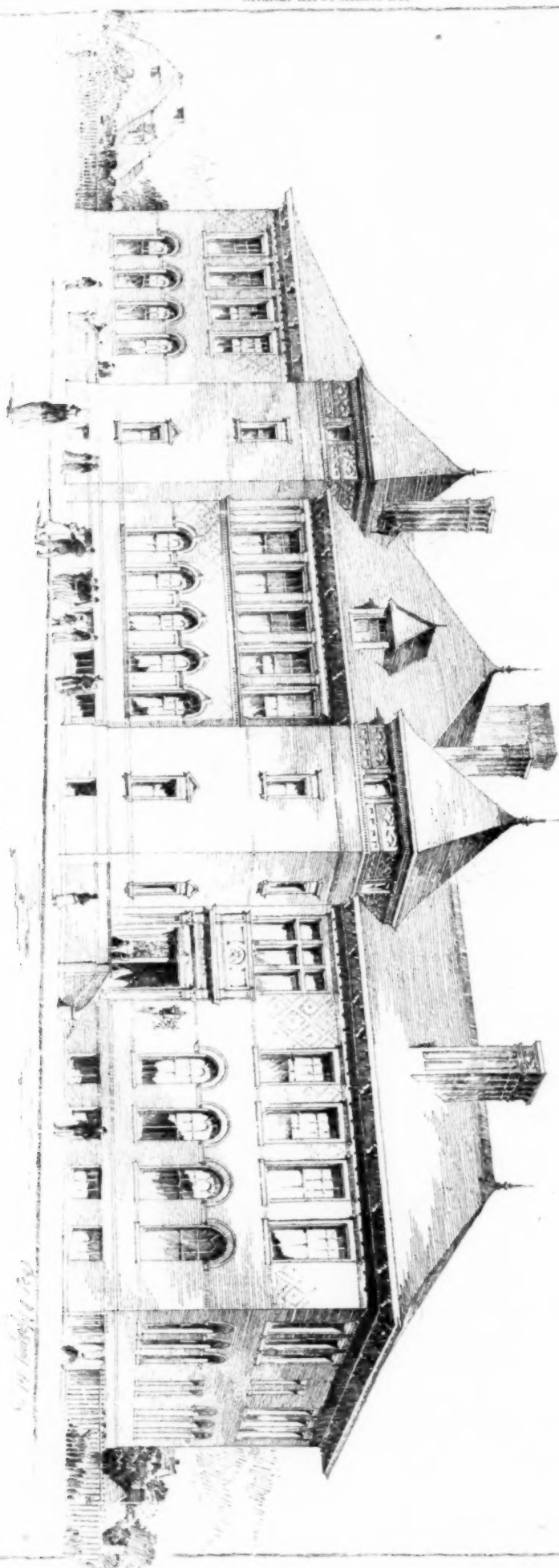
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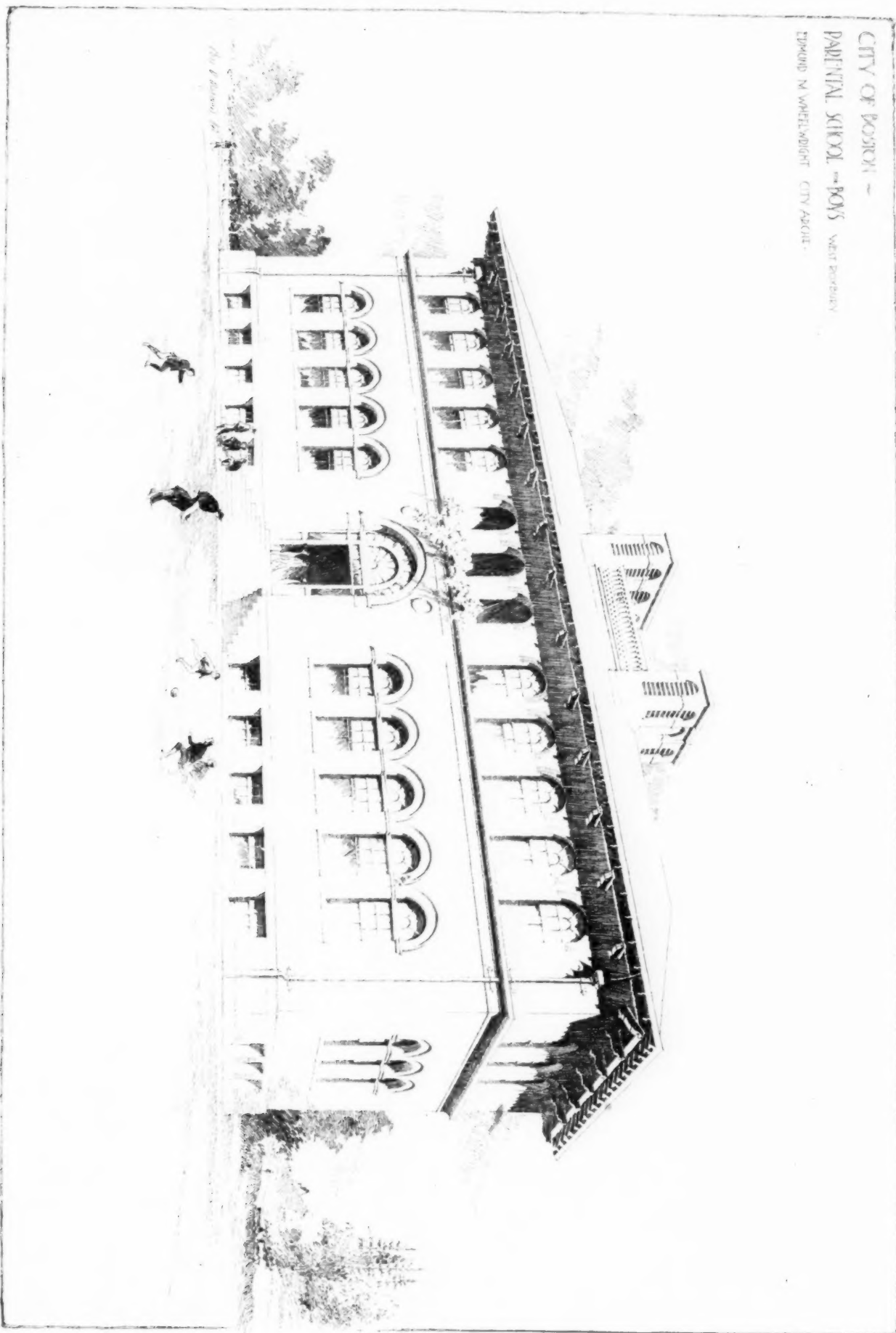


CITY OF BOSTON  
GRANAMAR SCHOOL-HOUSE GIBSON DIST. DORCHESTER.  
EDWARD M. WHITEHIGHT ... CITY ARCHT.



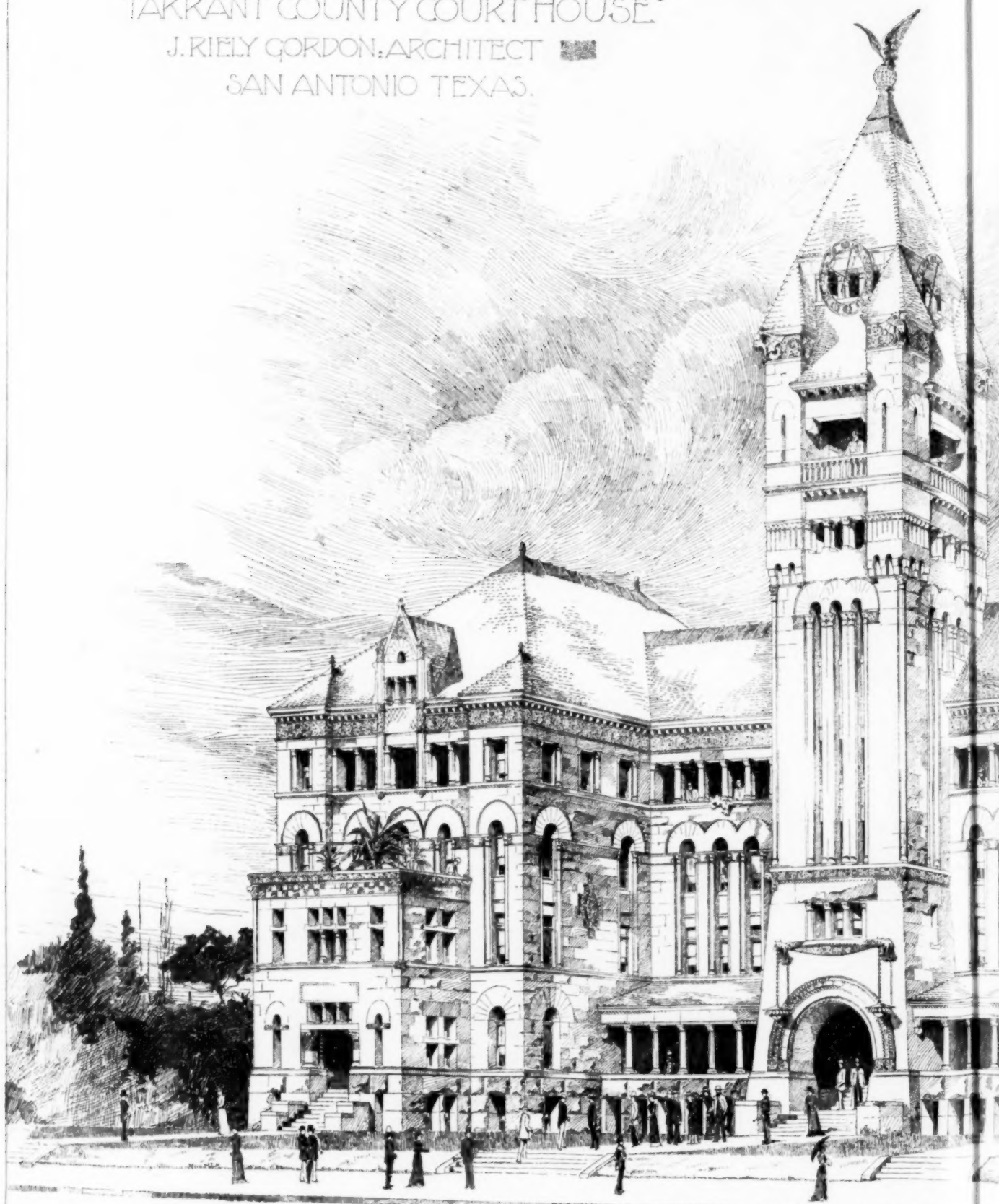
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CITY OF BOSTON -  
PARKMAN SCHOOL - BOYS' WEST BUILDING  
DESIGNED BY WHEELWRIGHT CITY ARCHT.



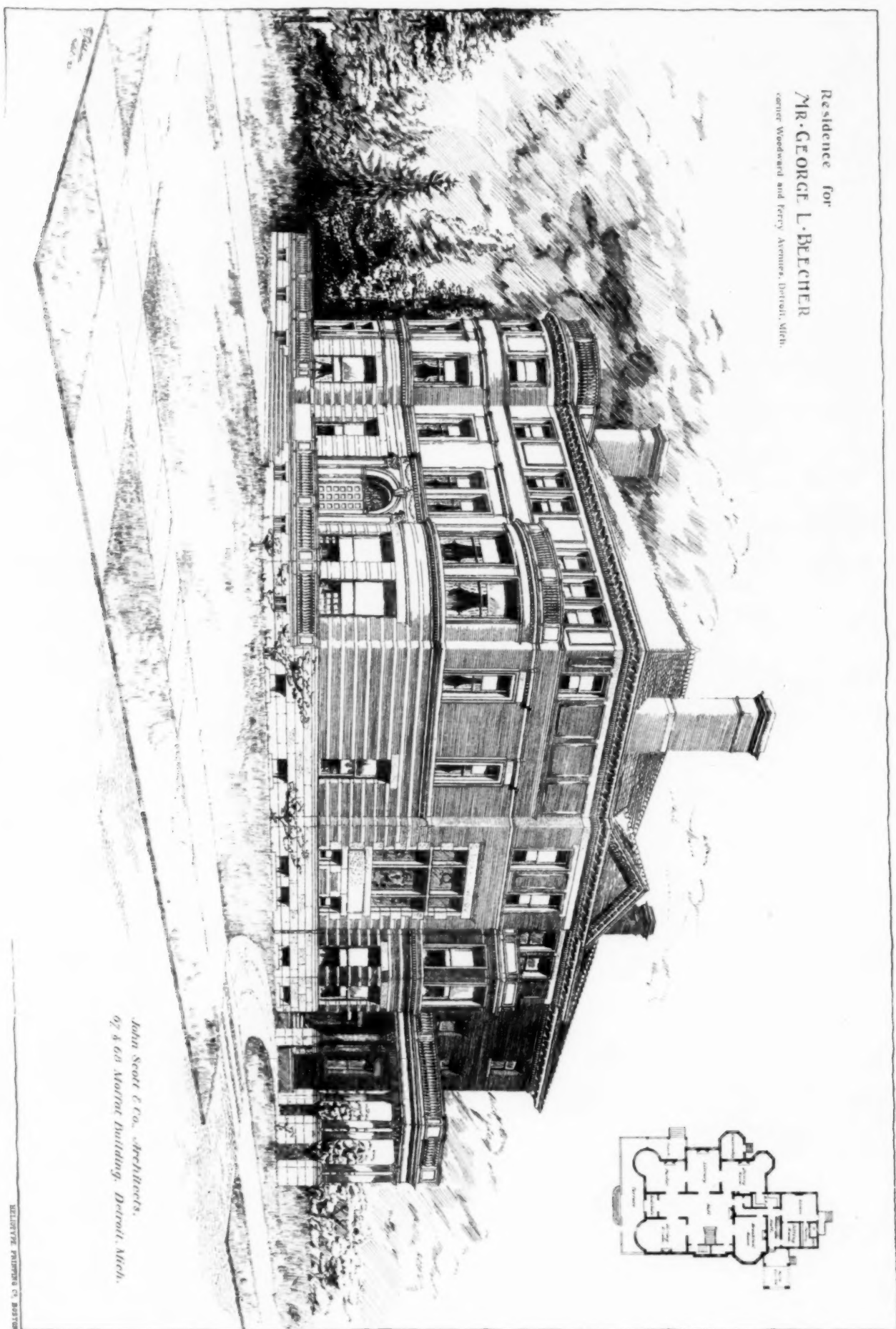


ROMANESQUE DESIGN FOR  
TARRANT COUNTY COURT HOUSE.  
J. RIELY GORDON, ARCHITECT  
SAN ANTONIO, TEXAS.





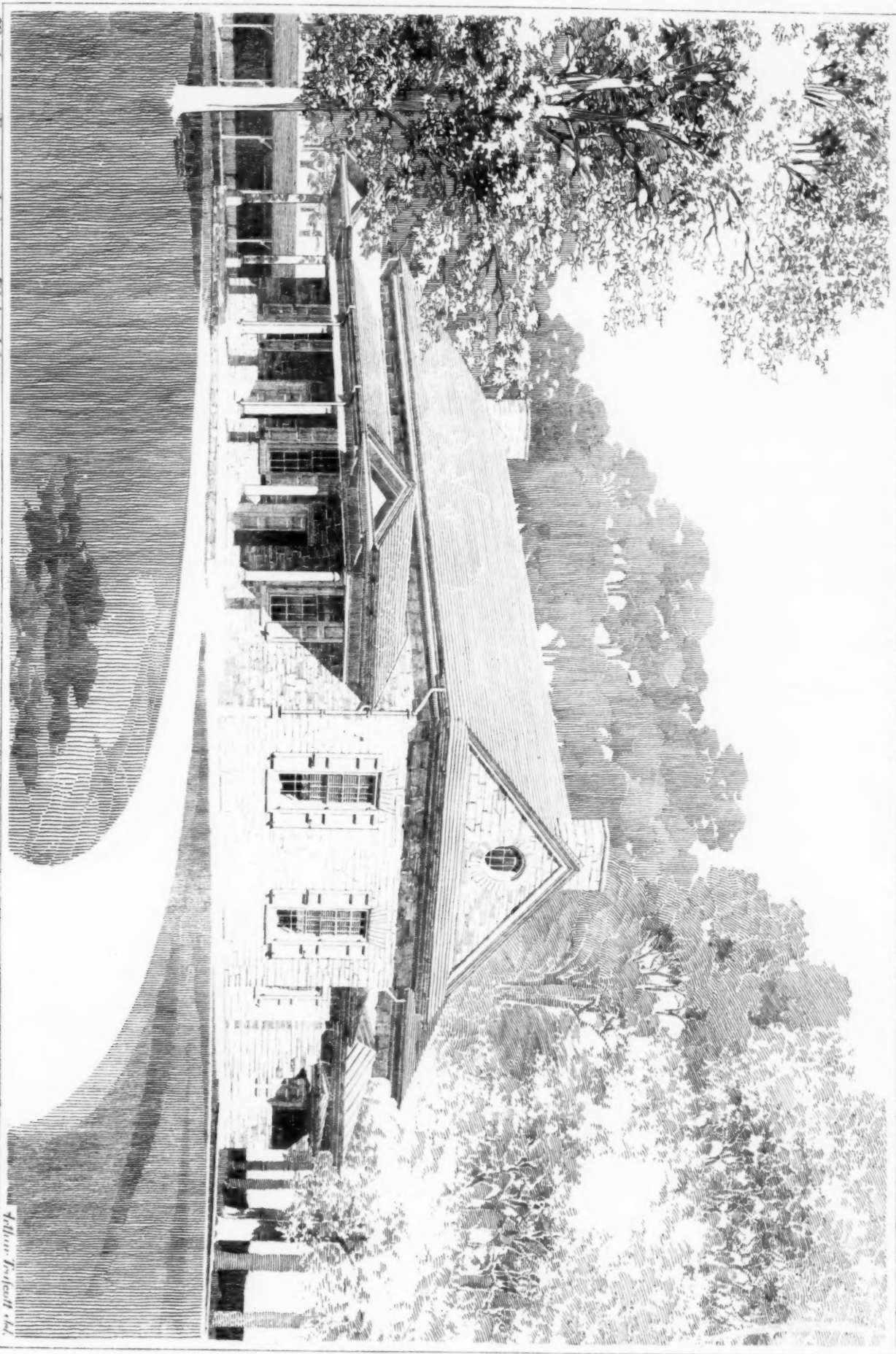
Residence for  
MR. GEORGE L. BLECHER  
corner Woodward and Ferry Avenues, Detroit, Mich.



John Scott & Co., Architects,  
87 & 89 Market Building, Detroit, Mich.



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*Boyle and Truett, Architects, Philadelphia.*

**A** Drawing made for a  
New Meeting - House  
for THE HAVERTFORD  
MEETING Pennsylvania



# THE AMERICAN ARCHITECT AND BUILDING NEWS

ADVERTISERS' TRADE SUPPLEMENT.

No. 136.

SATURDAY, OCTOBER 7, 1893.

VOLUME XLII.  
No. 52.

## FRINK'S PATENT DAYLIGHT REFLECTORS.

A WELL-KNOWN architect said the other day that if buildings were constructed in the future as they have been in the past, and are at present, a great many brokers and merchants would soon lose their eye-sight. This remark was occasioned by the architect having noticed a large building in which the air-shaft was a much more conspicuous feature than the windows. There is, however, an invention known as Frink's Patent Daylight Reflector, which will be found of inestimable service to those who are forced to occupy offices where gas or electric lamps are now required in the daytime. Every one knows how many dark rooms

## ELEVATORS AND THEIR LATEST IMPROVEMENTS.

THE steady progress of improvement in the construction of high-speed safety passenger elevators has created such universal interest and comment that we have no doubt that the new catalogue which has just been issued by The Graves Elevator Co., of Rochester, N. Y., will be of value to every architect or builder contemplating their use.

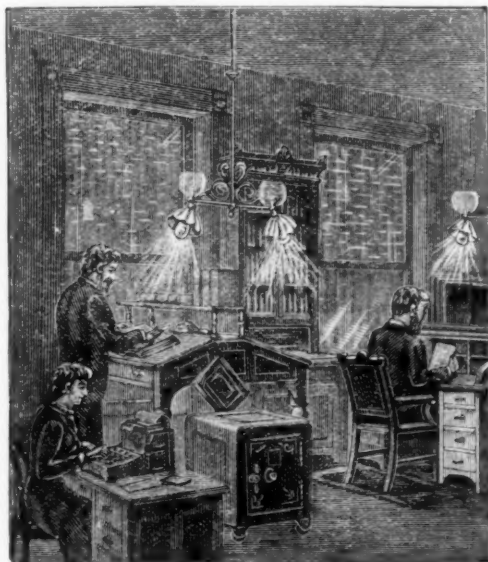
This catalogue is up to date in every particular, illustrating and describing almost every description of elevator, and many new devices for speed, safety and economy.

The several systems described are as follows: hydraulic, electric and steel-screw pas-

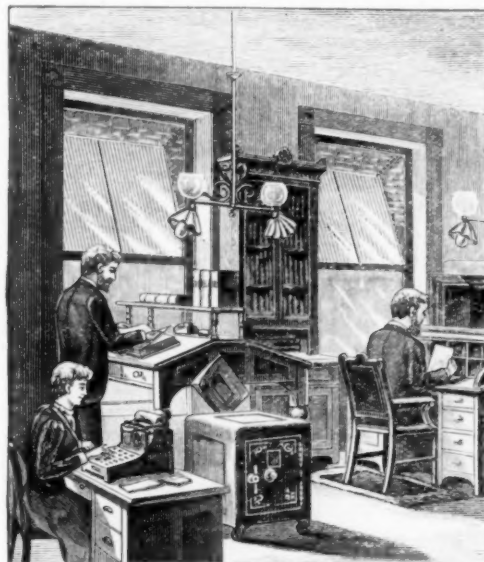
## GORTON BOILERS IN DEMAND.

It is pleasing in these days of general trade dulness to report an instance of genuine prosperity and increased business, such as is recorded of the Gorton & Lidgerwood Company, 96 Liberty Street, New York City. This enterprising concern, the sole manufacturer of the famous Gorton house-heating boilers, states that its order-book shows an increase of sales from January 1st to September 1st, current year, of 30% over the same eight months of 1892.

The company says by way of explanation, "The merit of the boilers did it. There is no doubt about that. We have made no unusual effort to attract business."



An Office Lighted by Gas and Electricity.



Same Office Lighted by Frink's Daylight Reflectors.

there are, even in the best planned apartment-houses, but these dismal places of abode may all be satisfactorily illumined by means of the Frink reflector. It is placed at the very angle which will reflect the rays of light where most required. It is not a coarse, blinding light which is thus obtained, but a mellow, well and evenly diffused light, soft and agreeable to the eye, and so nearly like the natural light that the difference is hardly perceptible. It presents a silver-plated corrugated glass surface to the atmosphere, which is protected against the wearing influence of the latter by a chemical preparation.

Estimates and information will be cheerfully furnished upon application to

I. P. FRINK,  
551 PEARL STREET, NEW YORK, N. Y.

senger and freight elevators, also the patent spur-gear freight-elevator.

In the last pages of the catalogue is published a list of over twenty-six hundred actual users of The Graves Elevators, comprising hundreds of the best business houses, hotels and office-buildings in the country.

The Graves Elevators have been in use since 1875. Very limited at first, of late years the sales have increased so rapidly that they are constantly making additions to their already large plant, having just finished a substantial five-story building 60' x 100' to be used for building cars.

Those about to purchase an elevator should send for one of these catalogues to

THE GRAVES ELEVATOR COMPANY,  
ROCHESTER, N. Y.

There is evidently no limit to the degree of popularity which the Gorton boilers may attain. They are largely used by the U. S. Government and wherever strictly high-class heating apparatus is desired.

GORTON & LIDGERWOOD COMPANY,  
96 LIBERTY STREET, NEW YORK, N. Y.

## AN ECONOMICAL SUBSTITUTE FOR BACK-PLASTER.

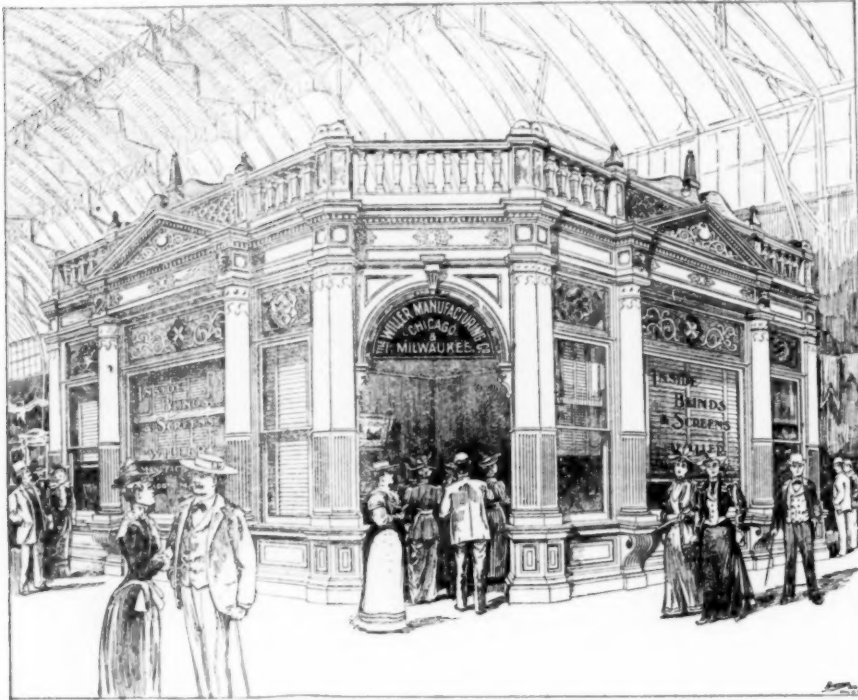
"SHEATHING Quilt" is the name of a newly patented material to be used in place of back-plaster or common sheathing-papers for the protection of houses from heat and cold, and also for the deadening of sound between floors and in partitions. It is composed of a tough saline grass held in place between two layers of manilla paper by quilting. The grass is



antiseptic in its nature. The quilt is much less inflammable than ordinary sheathing papers, as it contains silicon in place of their carbon.

It is guaranteed to be a warmer covering

and stationary screens for all classes of buildings. They have lately also added a Venetian-blind department to their business and are producing the blind in a variety of styles: the English Venetian-blind as well as a new slid-



The Willer Pavilion at the World's Fair.

than back-plaster and it is less than half as expensive as that method.

It is adapted not only to the lining of dwellings for the exclusion of heat and cold, but for use in cold-storage warehouses, ice-chests, cold-closets, or in any structure which it is desired to protect from the variations of temperature; also as a sound deadener in all kinds of buildings, its great elasticity making it admirably suited for this purpose. Samples will be furnished on application, by the manufacturer.

SAMUEL CABOT,  
70 KILBY ST., BOSTON, MASS.

#### THE WILLER MANUFACTURING COMPANY'S EXHIBIT AT THE WORLD'S FAIR.

WE present herewith an illustration of an exhibit at the World's Fair by the Willer Manufacturing Company of Milwaukee, Wis. and Chicago, Ill. This company is thoroughly well known all over the country as the manufacturers and producers of the Willer sliding-blind, the first sliding-blind put on the market possessing any real merit and meeting the demands of a discriminating public. Since then a number of other manufacturers have brought out sliding-blinds and copied the principal meritorious features of the Willer blind and printed publications and illustrations of the company to an extent bordering on and in some cases actually constituting depredation and piracy and claiming to produce blinds equal and superior to any other: none of these, however, have reached the high standard for quality and merit attained by this company.

The sliding-blind is the principal specialty produced by this company and it is brought out by them in a variety of grades, finishes, etc., to suit the tastes and requirements of the wealthy and extravagant as well as the financially less fortunate or more economical builders of houses.

Besides the sliding-blind, the company has for years produced the old standard folding-blind and a special folding-blind of their own, as well as custom-made screen-doors, sliding

ing Venetian-blind, which latter blind is not drawn up by cords but operates the same as a sliding-blind, being balanced by springs or weights or by both and remaining in any desired position in the window.

contractors of the country, who may visit the World's Fair are cordially invited to examine.

The company's factory and home office is in Milwaukee, Wis. and their branch office at Chicago is Room 25, Adams Express Building, 183 and 185 Dearborn St.

WILLER MFG. CO.,  
Milwaukee, Wis.

#### THE GLOBE VENTILATOR.

THE Globe Ventilator is coming into more general and constant use as the years go by. The merit of this ventilator is becoming more and more recognized and it is being rewarded with a larger and more extended patronage than ever before.

The manufacturers of the Globe profiting by the experiences of others, have produced a ventilator which answers all purposes required for purifying the air of the factory or the auditorium and renders both the home and the school healthful and comfortable.

Many of the largest manufacturing concerns have adopted this system of ventilation for their plants with great satisfaction to themselves, as all odors, gases, steam and excessive heat are exhausted from the work-rooms, thus enabling the toilers to render better and more efficient as well as more profitable service.

Unquestionably the subject of ventilation is receiving more careful and serious attention than ever before. It is coming to be regarded as a necessity by the owners of all buildings designed for the use of human beings or for animals as well. One of the things that the proprietor of an opera-house, who relies upon the patronage of the public for his revenue, cannot afford to economize on is ventilation, when such economy means inferiority. For



The Globe Ventilator.

All of the company's various products are shown in a well designed pavilion, located on the gallery in the north end of the Manufacturers and Liberal Arts Building, which every body, especially the architects, builders and

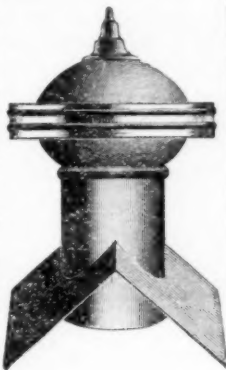
the people who patronize our theatres are not attracted by the beauty and large cost of their internal decorations—but go where they can see a good performance amid comfortable surroundings.

Still how often do we find architects and builders who, while spending fabulous sums in frescoing and drapery, stint the more important and profitable matter of ventilation!

The Globe has been placed on many prominent theatres, including the renowned Auditorum at Chicago and its manufacturers have in their possession countless letters of endorsement from those who have had a practical experience in its use.

How frequently as one passes along the avenues of our cities and villages does the eye rest upon residences of elegant appearance and symmetrical proportions, with interiors adorned with exquisite tapestry and expensive ornamentation, on the chimneys of which are placed hideous crows, because they can be purchased for a few cents less than the Globe.

Yet it is only the favored few who are priv-



The Globe will keep a roof from sweating — prevent dry-rot in the rafters and timbers, thus paying for itself many times by saving them. It is noiseless and will not disturb one's slumber by creaking and groaning, by turning with the ever-changing wind, but it works silently and incessantly to pump out the impurities and render life healthier and happier.

The Globe has been on the market for many years, its worth is recognized, its reputation is established, its merit is conceded and its manufacturers, the Globe Ventilator Company, of Troy, N. Y., will be pleased to correspond with any who desire further information.

The Globe has a good reputation for results in ventilating churches, and they are a paying investment for any officary, as they render the congregation more appreciative and comfortable, and show increased attendance and larger contributions.

GLOBE VENTILATING COMPANY,  
203 RIVER STREET, TROY, N. Y.

#### PAINTING IRONWORK.

The following letter which was received from a well-known consulting and contracting

through roof but ending at about ten feet below the roof covering. The roof is, therefore, exposed to the sulphurous fumes escaping in the gas-house in discharging retorts and also to the products of combustion escaping from the eight stacks.

Coke is used in firing the retorts and the escaping products of combustion are heavily charged with sulphurous vapors which in presence of moisture have rapidly destroyed ironwork heretofore exposed to their action.

So far, the anti-rust paint has afforded perfect protection, and myself and all interested in the work have no doubt that the protection will be permanent and far beyond our expectations.

Our shop people report that the anti-rust paint is as cheap for general use, where high class paint is not required, as the cheaper paint heretofore used, owing to its surprising covering quality, going at least twice as far as any of the cheaper paints we have heretofore used.

I have no hesitancy in recommending the use of iron or steel roofs for buildings for which they have been considered undesirable when exposed to destructive action of gases, that is, when such roofs are protected by your paint.

In specifications I am now preparing for gas-holders I have substituted your anti-rust paint for red lead and brown paints as heretofore used.

Yours very truly,  
(Signed) J. J. KENNEDY.

#### NOTES.

SOME eight months ago the Huyett & Smith Manufacturing Company of Detroit, Mich., shipped to Manchester, England, the largest hot-blast dry-kiln, for timber, in Great Britain, the success of which is attested by the receipt of an order for a duplicate plant, through the same source and for a similar industry in Germany; shipment of the latter was made a fortnight ago. This company has recently opened an office in London with an experienced manager in charge, this step being necessary in order to properly look after their growing business, both in England and on the Continent.

WE are ready to mail to any architect for inspection, reduced fac-simile samples of our "Victoria" shingles. While these were prepared especially for distribution at the World's Fair, yet we still have some on hand and will mail a set to any address on receipt of request.

CORTRIGHT METAL ROOFING CO.,  
PHILADELPHIA, PA.

WE are advised by a large number of architects that though they specify the "Samson" Spot Cord, they have found difficulty in obtaining it close at hand. It is now carried in stock by A. J. Wilkinson & Co., Jas. W. Vinal & Co., H. M. Darling & Co. and Bailey & Hussey, of Boston.

Architects may feel assured that the "Spot" is a guarantee of quality, and will see that any substitution is easily detected.

We hope they will specify "Samson" Spot Cord.

SAMSON CORDAGE WORKS,  
BOSTON, MASS.

#### MONOGRAPHS

### Of American Architecture, - No. 5.

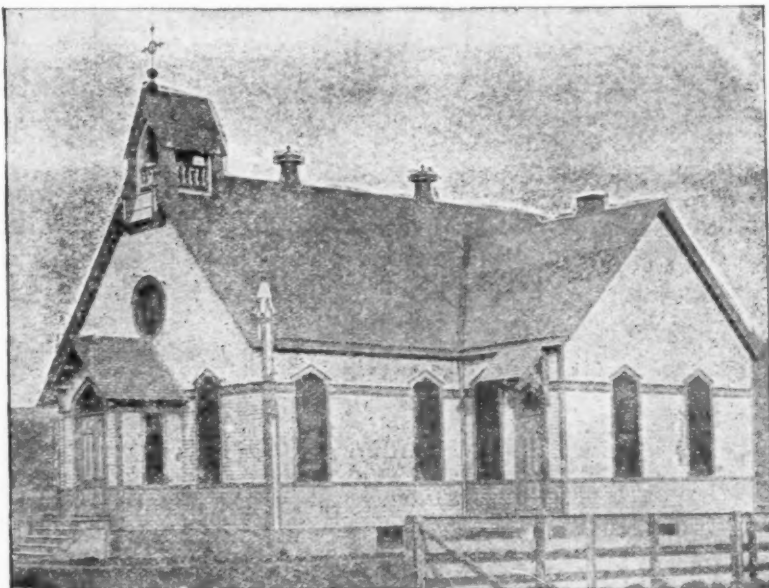
#### TRINITY CHURCH,

BOSTON, MASS.,

GAMBRILL & RICHARDSON, Architects.

Twenty-three Plates, of which one is Heliochrome. Price, \$10.00.

TICKNOR & CO., Boston, Mass.



Globe Ventilators applied to a Chapel.

ileged to pass beyond its portals and look within, the great majority have only an external view, which is marred by such cheap and unsightly apologies for chimney-caps.

The large cut shows the Globe in service, where it will cure a smoky chimney, prevent a downward draught and assist a sluggish flue, while at the same time is a protection to the bricks and mortar.

Should the chimney contain two or more flues separate caps should be used, each independent of the other.

The Globe Ventilator is storm-proof, an important consideration indeed to those who intend to purchase an article of this character, as one severe storm can do great and sometimes irreparable damage.

The wildest winds and hardest rains have no effect upon the Globe, which protects against destruction the contents of all buildings supplied with them.

The Globe is as strongly built and as durable as any on the market, being made from McCullough's best iron, of the heaviest gauge, it is possible to use and, if painted as often as the roof or other ironwork, will last as long as the buildings to which it may be attached.

engineer by one of the salesmen of Harrison Bros. & Co., the paint manufacturers, speaks for itself as to the merits of this firm's anti-rust paint for the preservation of ironwork, and is worth careful reading by every architect who uses structural iron.

LINWOOD, DEL. CO., PA., September 15, 1893.

E. W. HUMPHRIES, ESQ., CARE MESSRS.  
HARRISON BROS. & CO., PHILADELPHIA.

Dear Sir, — Some time ago at your suggestion I obtained from the authorities at United States Military Academy at West Point, New York, permission to substitute your anti-rust paint for ——— or ——— paint which had been specified.

Knowing that you will be interested in the results obtained; with pleasure I advise you that the anti-rust paint has withstood a test heretofore unequalled.

It has been customary to construct the roofs of coal-gas retort-houses of slate owing to the action of the sulphurous gases having been found so destructive that iron roofs have lasted only a very short time when placed over such buildings.

The roof-trusses over the gas-house at West Point are constructed of steel and the roof proper is of twenty-gauge Alan Wood's corrugated-iron. This gas-house contains four benches, each containing six large retorts and each bench having two stacks not passing



# ALSEN'S PORTLAND CEMENT

is the strongest and most serviceable Cement made, and will permit the admixture of a larger amount of sand or gravel with less loss of strength than any other brand; it is therefore the most economical. It is the finest ground cement made, and has the largest bulk to the barrel.

The following test, made in actual work, by Col. D. C. Houston, Corps of Engineers, U. S. A., at the sea wall around Governor's Island, New York Harbor, has never been equalled by any other cement. It is as follows: Tensile strength per square inch, one day, 384 pounds; seven days, 600 pounds; thirty days, 818 pounds.

For Sidewalks it gives the best color, and the most enduring wearing surface. Most of the prominent Railroad Bridges and the large Office Buildings of the country stand upon a foundation of concrete made of ALSEN'S CEMENT.

*Alsen's Portland Cement Works, New York Office, 143 Liberty Street.*

## Ancient and Modern LIGHT-HOUSES.

BY MAJOR D. P. HEAP.

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An interesting scientific and historical treatise, exclusively considering this important theme.

Ancient Light-Houses—Eddystone—Bell Rock—Skerryvore—Other Light-Houses with Submarine Foundations—Minot's Ledge—Spectacle Reef—Tillamook Rock—Northwest Seal Rock—Light-Houses of the Atlantic Coast of the United States—Rotherham Light Tower—Fourteen-Foot Bank Light-House—Delaware Bay—Skeleton Iron Light-Houses—Characteristics of Light-Houses—Isle of May Light-House—Miscellaneous Lights—Light-House Administration.

TICKNOR & CO., Boston.

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## A Birds-Eye View of the World.

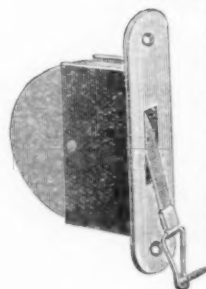
By ONESIME RECLUS.

It is the best working book for every-day use ever published.

More than 600 teachers in the public schools of Boston have purchased it. The city of Boston, and a large number of cities and towns have put it in their schools as a reference book.

TICKNOR & CO., Boston, Mass.

## It Don't APPEAR JUST RIGHT TO THINK



You would overlook the most important part of your building by neglecting to have your windows properly counterbalanced so they work free.

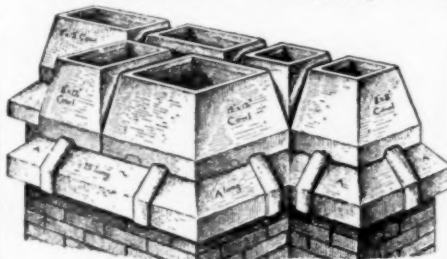
Have your Architect specify our **Steel Frame Sash Balance**

If you want good results.

**PULLMAN SASH BALANCE CO.,**  
ROCHESTER, N. Y.



## THE HANSEN PATENT Weather-Protecting SALT GLAZED, (EVER-LASTING) Terra Cotta Chimney Topping.



THESE Toppings, made by steam-press, VITRIFIED, SALT-GLAZED and in RICH DARK BROWN color, finish and weather-resisting quality are just like first-class Ohio sewer pipe, and cost only a trifle more than common unprotected brick top-pings.

HARALD M. HANSEN, Architect,  
88 La Salle Street, CHICAGO, ILL., Patentee.

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Also, Manufacturers of Wall Coping, Sewer Pipe and other Clay Products.



ECONOMY?

## SOMETHING NEW FOR THE STABLE! READ'S PATENT HARNESS BRACKET.



An article long wanted but never before made. Holding the whole harness, taking up more room than the ordinary hook or peg, and can be used for both single or double harness. The harness can be placed upon or removed as easily as on the common hook, and gives the harness case a neat and finished appearance, as it carries the harness up uniformly in width with the saddle, besides keeping the bridle and breast-plate in their proper shape. They are neatly japanned, with gilt facings. Price, \$18 per dozen. Are now in use in hundreds of first-class private stables throughout the United States. The best guarantee being between two and three thousand now

in use by the Harness Trade in Boston alone, and are endorsed and approved by the following named gentlemen, all of whom have them in use: BOSTON: R. H. White; J. Montgomery Sears; J. T. Morse, Jr.; Thos. Motley; Waldo Adams, with the Adams Express Co. So. BOSTON: Benjamin Dean. CAMBRIDGE: F. A. Kennedy; John Bartlett. PORTSMOUTH, N. H.: Hon. Frank Jones. MILTON: Col. H. S. Russell; J. Malcolm Forbes. DEBHAM: A. W. Nickerson. BALTIMORE, MD.: J. D. Mallory. NEWTON: J. C. Potter; C. E. Billings; A. R. Mitchell. WALTHAM: James H. Ellison. READING: C. G. White. SWAMPSCOTT: C. P. Curtis. PHILADELPHIA, Pa.: Edward N. Williams, of the Baldwin Locomotive Works.

Each Brackett lettered "J. J. READ, BOSTON, MASS." For sale by dealers everywhere.

Read's Patent Combination Whip Rack for both English, Coach and Straight Whips. Price, 50c, each.

Riding-Saddle Brackett has polished cherry wood tops. Price, \$3.00 each.

The public is cautioned against all similar brackets not marked with my stamp, as such brackets are infringements of patents held by me. JAMES J. READ, 13 Tremont Row (Room 10), Boston.



# THE AMERICAN ARCHITECT AND BUILDING NEWS

ADVERTISERS' TRADE SUPPLEMENT.

No. 137.

SATURDAY, NOVEMBER 4, 1893

VOLUME XLII.  
No. 522.

## IRON AND BRASS WORK.

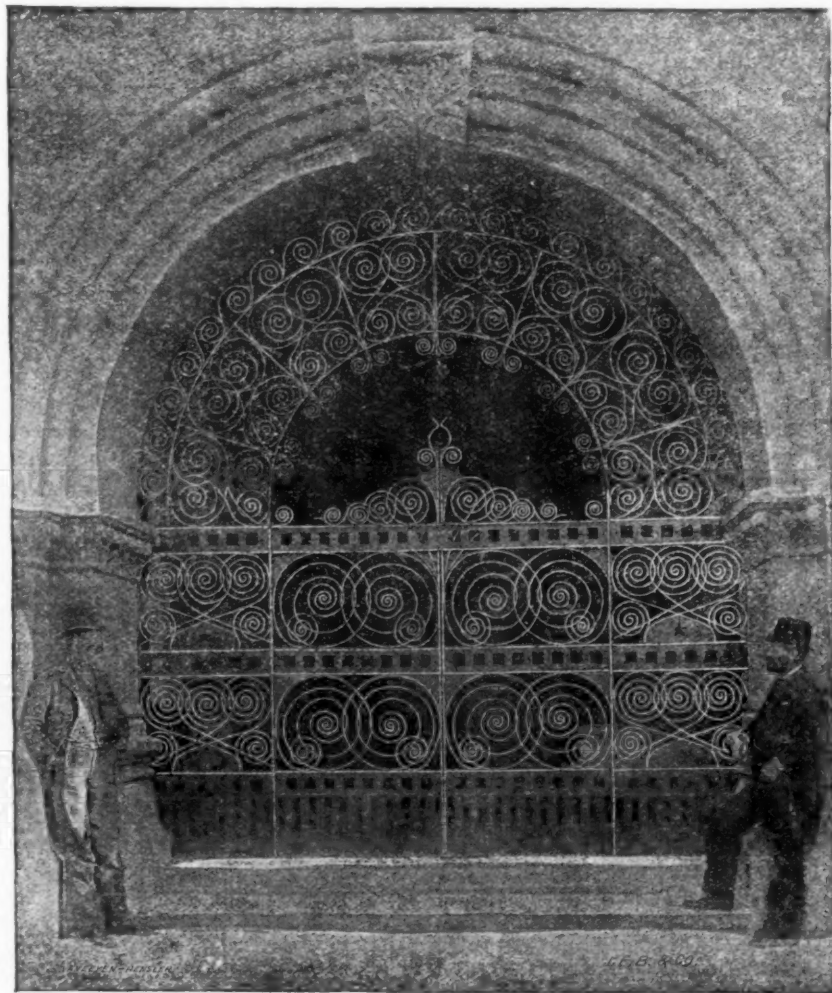
THE firm of J. E. Bolles & Co., Detroit, Mich., have recently produced some fine work, a few engravings of which we illustrate in this issue. The popularity of ornamental iron and brass work is increasing daily. Parties interested will do well to correspond with the above firm who make an unlimited variety of designs in this line, also elevator inclosures, metal cars, stair-work, etc.

They state that they have recently furnished the iron stair and grill work for the United States Post-Office Building at Bay City, Mich., the iron stair-work, grills, elevator inclosure and metal cars for two elevators in the new Bearer Block, Saginaw, E. S., W. T. Cooper, architect; the metal car, inclosure and grill-work for new Post Building, Washington, D. C.

Metal car for elevator in De Givies Grand Opera House, Atlanta, Ga., and metal inclosure for the Fenner Office-building, New Orleans, and Chamber of Commerce Building, Tacoma, besides many other contracts from various portions of the country.

Prospects for future business however are not as encouraging as they were one month ago.

J. E. BOLLES & CO.,  
DETROIT, MICH.



Design for Entrance Gates to Mr. Wallace Hendrick's Office-Building, Fort Worth, Texas. J. E. Bolles & Co., Manufs. Messrs. Sanguinet & Messer, Architects.

## A WARNING TO THE PUBLIC.

WE are the sole licensees to manufacture and sell metallic screens and guides under patent No. 329,893, granted to Jonathan C. Ela and Edgar W. Ela, November 10, 1885.

We also own patent No. 319,168, granted to James Washington Bachus, June 2, 1885, except States of Iowa, Illinois, Missouri and Kansas.

The metal screen and guide sold by us is

manufactured under the above patents, and all persons are cautioned against infringing upon any of said patents, either by manufacturing, selling or using, as we shall claim the protection afforded by our patents, and shall prosecute for damages in the United States Courts the manufacturer, seller or user for any infringement, wherever found.

Our screens are marked, "Patented Nov. 10, 1885," and the guides, "Patented June 2 and Nov. 10, 1885."

THE METALLIC WINDOW SCREEN MFG. CO.,  
Successors to F. O. Snow & Co.  
465 WASHINGTON STREET, BOSTON, MASS.

A DECISION THAT IS APPROVED  
BY EVERY ONE.

THE Bridgeport Wood Finishing Co., Gran-

ville M. Breinig, Gen. Agt. & Supt., New Milford, Conn.; 206 E. Lake St., Chicago and 240 Pearl St., New York, has been awarded a medal and four diplomas on their Wheeler Patent Wood-filler and Breinig's Lithogen Silicate Paint.

The Connecticut Building at the World's Fair was painted entirely on the outside with Breinig's Lithogen Silicate Paint, and is acknowledged the best painted building on the grounds.

The interior wood-work of the West Virginia and Missouri State Buildings was inside entirely filled with Wheeler's Patent Wood-filler as were other fine displays of interior woodwork, and all this is in pleasing contrast as against the many fine displays of hard woods finished, and on which the varnish has shrunk and pitted. Wherever at the Fair you saw a finely finished piece of wood-work which had stood the test of climate and time, you will find that the Wheeler filler was at the bottom of it, from an exhibitor's stand to a palace car.

The woods in the Forestry Department which attracted so much attention were also filled with Wheeler's Patent Wood-filler.

THE BRIDGEPORT  
WOOD FINISHING CO.,  
NEW MILFORD, CONN.

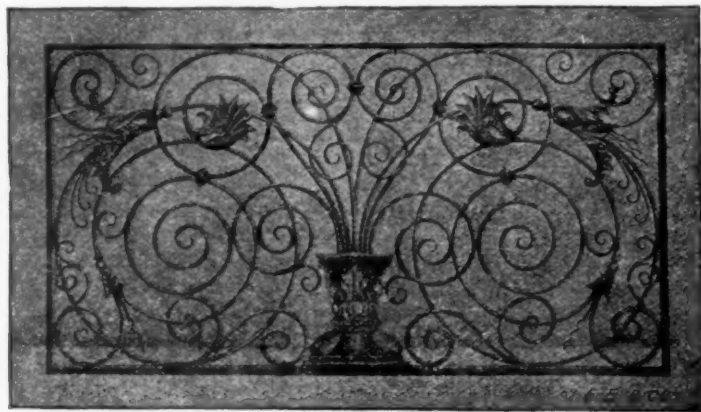
## THE COMMERCIAL TRAVELLER A GOOD SAMARITAN.

ON the occasion of a railroad disaster, a salesman of the Joseph Dixon Crucible Co., of Jersey City, N. J., was a passenger on the train. His presence of mind saved from more than slight injury a well-known clergyman. Subsequently the reverend doctor wrote the company complimenting the salesman, and

expressed himself as follows regarding the travelling fraternity:

"... Years ago, in a lecture, I remarked that the good Samaritan was a commercial tourist (drummer). If a man ever wakes up about midnight with the bottom side of his coach in the direction of the stars, he will think that I am right. The drummer of Samaria had the best of oil and wine. The drummer of Jersey City had the best of pencils and the kindest of hearts. The iron horse will dash and the electric light will soon flash through the land where Christ and his apostles once held sweet

and ceiling lined with pure white-glazed Minton tiles. The shelves are to be of polished plate-glass and the brackets, cleats, grill-work, wine-locker and trim throughout will be brass, heavily nickel-plated. The outside of the room is to be finished in quartered oak. As shown, four rooms are to be supplied. One for fruits and vegetables, one for milk and butter, one for fresh meat and one for smoked meat. The tanks will be built according to the well-known Wickes refrigerating-system, and will be exactly similar, but on a larger scale than those recently built in the houses



Design for Brass Grill used in Residence, Dayton, Ohio. J. E. Bolles & Co., Manufacturers. Peters & Burns, Architects.

converse in regard to who was really our neighbor. Methinks I hear the conductor at Jerusalem say, 'All aboard for Jericho. Passengers for Moab take seats in the front car.' The train may be wrecked. If so, I venture to say that the ubiquitous drummer will be the first and the last to administer to the wounded and the dying, while the fat priest and bloated Levite will either be asleep in the Pullman, waiting for the black porter to call them up, or whining about the loss of a silk umbrella or gilt-edged prayer-book. The Jersey City drummer will never be known on earth as extensively as the Samaritan, but I am certain that his name will stand as high and his reward be as great in that land where all men will be rewarded according to the deeds of mercy which they perform in this. I know that many of the commercial agents have some habits in error. Yet I want it

of Mrs. Geo. H. Morgan, Wm. K. Vanderbilt, H. O. Havemeyer, Anson Phelps Stokes, Chas. Van Brunt, etc.

WICKES REFRIGERATOR CO.,  
NEW YORK.

#### WORLD'S FAIR AWARDS.

I. P. FRINK has been notified that he has been awarded a prize by the World's Columbian Exposition for the superiority of his reflectors.

JUDGES appointed by the officials at the World's Fair at Chicago have made awards to the Joseph Dixon Crucible Co., Jersey City, N. J., for superior products in graphite, lead-pencils, plumbago, crucibles, black-lead stoppers and nozzles, dippers, bowls, foundry-facings and lubricating graphite.

These awards are a very proper recogni-



Design for Balcony Railing. J. E. Bolles & Co., Manufacturers.

distinctly understood that the sexton of the church where I am pastor must always invite the commercial traveller to a front seat."

JOS. DIXON CRUCIBLE CO.,  
JERSEY CITY, N. J.

#### NOTES.

THE Wickes Refrigerator Company are building in the private residence of Mr. Chas. H. Strong, Erie, Pa., what is undoubtedly one of the largest and handsomest refrigerating-plants, in private residences, in the world, contract price being \$3,000. The rooms are to be floored with encaustic tile and the walls

tion of the qualities of these goods, as the Dixon Company is known throughout the world as the pioneer in the graphite industry and its goods are always considered as the standard. The United States Government in its bids for supplies says, "Dixon's, or equal."

JOSEPH DIXON CRUCIBLE CO.,  
JERSEY CITY, N. J.

#### BUILDING INTELLIGENCE.

Reported for the American Architect & Building News.

##### ALTERATIONS.

Brooklyn, N. Y.—Garden St., Nos. 56-58, five-sty brick ale brewery, felt and gravel roof; internal

##### (Alterations Continued.)

alterations; cost, \$4,000; owners, Claus Lipsius Brewing Co., Bushwick Ave. and Forrest St.; architect, Th. Engelhardt, 905 Broadway.

Kent Ave., s e cor. South Third St., five-sty brick storage warehouse, gravel roof; extension to be raised two stories, two-sty brick extension, gravel roof, to be added, and other alterations made; cost, \$3,000; owner, Otto Huber, Meserole St. and Bushwick Ave.; architects, D. Acker & Son, 752 Broadway.

Philadelphia, Pa.—Alterations and additions will be made to the iron and brick warehouse of the Philadelphia Milling Co., 945 North Ninth St.

Haverford Ave., No. 3826, one-sty brick addition to dry-house; contractors, King & Lambert, 3714 Front Ave.

Spring Garden St., No. 2129, two-sty addition, also interior and exterior alterations to building; contractor, Porter Thompson, 2037 Filbert St.

Spring Lake, N. J.—One-sty addition and alterations to be made to the summer-house of District-attorney Geo. S. Graham.

St. Louis, Mo.—Repair brick store and building, Walnut St., bet. Sixth and Seventh Sts.; cost, \$5,300; owner, E. H. Gregory; contractors, R. W. Morrison & Co.

Wilmington, Del.—Several alterations will be made to the Wilmington Institute Building.

##### APARTMENT-HOUSES.

Chicago, Ill.—T. B. Barry, two-sty flats, 326 East Twenty-fourth St.; cost, \$4,000.

C. McLaughlin, three-sty flats, 158 Johnson St.; cost, \$3,500.

E. Stahl, three-sty flats, 1158 Lawndale Ave.; cost, \$5,000.

C. Buckingham, 7 three-sty flats, 171-173 West Harrison St.; cost, \$19,000.

Merchant & Wheeler, 3 three-sty flats, 219-221 Forty-sixth St.; cost, \$18,000.

L. P. Mick, three-sty flats, 6524 Wright St.; cost, \$10,000.

R. R. Farson, 2 two-sty flats, 849-851 Edgewater St.; cost, \$3,000.

E. Callaghan, two-sty flats, 256 Hinman St.; cost, \$3,000.

C. Heiber, two-sty flats, 780 Augusta St.; cost, \$3,000.

John Cox, three-sty flats, 588 Sawyer Ave.; cost, \$4,600.

J. Walters, two-sty flats, 1377 West Polk St.; cost, \$3,000.

J. J. Collins, two-sty flats, 643 Turner Ave.; cost, \$3,000.

Frank Hein, two-sty flats, 77 Werder St.; cost, \$3,000.

Julius Leitzen, three-sty flats, 171 Potomac St.; cost, \$4,200.

Harry Platt, two-sty flats, 434 Troy St.; cost, \$4,200.

New York, N. Y.—Amsterdam Ave., s w cor. Eighty-ninth St., 4 five-sty brick flats, tin roofs; cost, \$100,000; owner, Thomas J. McGuire, 321 West One Hundred and Eighteenth St.; architect, James W. Cole, 403 West Fifty-first St.

Eighty-second St., s s 300' e Amsterdam Ave., five-sty brick flats, tin roofs; cost, \$22,000; owner, David Richey, 11 West Eighty-fourth St.; architect, G. A. Schellinger, 128 Broadway.

Perry St., s w cor. Fourth St., 2 five-sty brick flats, tin roofs; cost, \$41,000; owner, William Rankin, One Hundred and Sixty-second St. and North River; architect, James W. Cole, 403 West Fifty-first St.

Ninety-seventh St., n s 100' w Second Ave., 4 five-sty brick flats, tin roofs; cost, \$15,000; owner, Fritz Kuhlmann, 111 Broadway; architect, Lloyd J. Phylle, 163 West Ninety-eighth St.

Twenty-sixth St. and Seventh Ave., six-sty brick apartment-house; cost, \$80,000; owner, Albert Kellerhouse; architect, T. S. Godwin.

Westchester Ave., cor. Eagle Ave., 2 four-sty flats; cost, \$30,000; owner, Edward D. Bertino, 670 East One Hundred and Thirty-sixth St.

##### CHURCHES.

Cramer Hill, Pa.—The Bethany congregation will build a new church; contractor, Mr. Hooser, Philadelphia, Pa.

Philadelphia, Pa.—Fifty-third St., n Wallace St. one-sty frame chapel; contractor, Joseph Foulk, Hamilton and Lancaster Aves.

Washington, D. C.—Eighteenth and Madison Sts., stone church; cost, \$80,000; owners, Calvary congregation; architect, Theophilus P. Chandler, Jr., 328 Chestnut St., Philadelphia.

West Chester, Pa.—Barnard and Church Sts., Sunday-school Building; cost, \$5,640; owners, Westminster Presbyterian Church; contractors, Plumer E. Jefferies.

##### FACTORIES.

Baltimore, Md.—West Baltimore St., No. 1505, two-sty brick factory; contractor, F. E. Foss.

Brooklyn, N. Y.—Flushing Ave., n s, 4-9' 8" w Marcy Ave., one-sty brick factory, galvanized-iron roof; cost, \$6,000; owners, Meurer Bros. Co., on premises; architect, Th. Engelhardt, 905 Broadway.

McKibbin St., n s, 150' w Lorimer St., four-sty brick factory, tin roof; cost, \$9,000; owner, Joseph Wichert, Bedford Ave. and Clymer St.; architect, H. Vollweiler, 483 Hart St.

##### HOUSES.

Baltimore, Md.—Holbrook St., near Lanvale St., 4 two-sty brick dwellings; contractors, H. E. Cook & Bro.

Fairmount Ave., near Burk St., 6 two-sty brick dwellings; contractor, John Kram.

Two-sty brick dwell., contractor, C. M. Wartman.

Oliver St., near Anne St., 16 two-sty brick dwell.; contractor, W. J. Clendenin.

Walbrook Ave., near Payson St., 20 two-sty brick dwell.; contractor, B. Fear.

Lexington and Front Sts., three-sty brick dwell.; contractor, C. H. Grieb.

Brooklyn, N. Y.—Fifty-eighth St., s s, 80' w Second Ave., and Fifty-ninth St., 80' w Second Ave., 2 three-sty frame dwellings, gravel roofs; cost, \$2,000 each; owner, Chas. Hart, Fourth Ave. and Degraw St.; architect, J. H. Pigot, 189 Montague St.

Bushwick Ave., e s, 75' s Grove St., three-sty frame dwell., tin and slate roof; cost, \$6,000; owner, H. F. Gundrum, 70 Linden St.; architect, Th. Engelhardt, 905 Broadway.

Degraw St., n s, 87' 7" e Court St., four-sty brick dwell., tin roof; cost, \$6,000; owner, Philip Casey,



(Houses Continued.)

on premises; architect, J. H. Pigot, 189 Montague St.

**Starr St.**, s. s. 250' w Knickerbocker Ave., 2 three-story frame dwellings, tin roofs; owners and builders, J. & M. Deinhart, 94 Starr St.; architect, G. Heilenbrand, 218 Bleeker St.

**Chauncey St.**, n. s. 220' e Bushwick Ave., 6 two-story frame dwellings, tin roofs; cost, \$3,500 each; owner, Jas. Graham, 716 Chauncey St.

**Cornelia St.**, n. s. 300' e Bushwick Ave., 4 three-story frame dwellings, tin roofs; total cost, \$14,000; owner and builder, John Menhara, 25 Bleeker St.; architect, H. W. Billard, Jefferson Building.

**Baltic St.**, s. s. 70' 10" w Fourth Ave., four-story brick dwellings, tin roofs; cost, \$3,000; owner, E. A. Walley, Seventh Ave., near Carroll St.; architect, R. Dixon, 219 Montague St.

**Fifty-fourth St.**, n. s. 120' w Fifth Ave., 4 two-story brick dwellings, tin roofs; cost, \$3,500 each; owners, C. & A. Hamilton, Fifty-second St. and Fourth Ave.; architect, Thos. Bennett, 181 Fifty-seventh St.

**Cheltenham, Pa.**—Dwell.; owner, Mrs. John O. Klein; architect, Minerva Parker Nichols, 1616 Mt. Vernon St.

**Germantown, Pa.**—Wayne Ave., s School Lane, 3 two-story stone dwellings; contractors, Thomas W. Wright & Son, 7 Harvey St.

**Makin St.**, No. 55, two-story dwell.; owner, James Hillier.

**Media, Pa.**—Fermont and Washington Sts., three-story brick dwell.; owner, Benjamin Brodbelt.

**Philadelphia, Pa.**—Waterloo St., No. 1719, three-story brick dwell.; owner, Eugene Schmidt, Jr., 1719 Mascher St.

**Andover and Monmouth Sts.**, several dwellings; owner, C. C. Moore.

**G St.**, s Allegheny Ave., 10 two-story brick dwellings; contractors, Quigg & McInden, 303 East Indiana Ave.

**Springer St.**, w Cresson St., 4 two-story dwellings; contractor, Martin Hilgel, 45 Church St.

**Broad St.**, n Thompson St., four-story dwell.; contractors, J. E. & A. L. Penock, 305 Walnut St.

**Harold St.**, e Twenty-sixth St., 2 two-story dwellings; contractor, E. L. Savidge, 2500 North Twenty-seventh St.

**Horner St.**, 4 two-story dwellings, owner, Wm. G. Griffith, Sharpnack and Chew Sts.

**Sixth St.**, n Indiana Ave., 2 two-story dwellings; owner, Jacob March, Rising Sun Lane and Fifth St.

**Duncan St.**, s Stiles St., 3 two-story brick and frame dwellings; owners, Smedley & Bro.

(Houses Continued.)

**Fifteenth St.**, n Susquehanna Ave., three-story brick dwell.; contractor, J. W. Kline, 2262 Willington St.

**Cayuga St.**, w Carlisle St., 2 two-story dwellings; owner, G. F. Gray, 1946 Wayne Terrace.

**Conley St.**, s Jackson St., two-story frame dwell.; contractor, E. T. Bender, 5993 Tully St.

**Thompson St.**, w Norris St., three-story brick dwell.; contractor, Edward Engle, 1243 East Susquehanna Ave.

**North Ninth St.**, No. 254, four-story brick dwell. and store; owner, Dr. J. H. W. Chestnut, 1757 Frankford Ave.

**Chelton Ave.**, n Norris St., two-story brick dwellings and stores, also two-story brick stable; contractor, Ashton S. Tourison, 5511 Germantown Ave.

**Germantown Ave.**, n Church St., three-story brick dwell. and hotel; contractor, Ashton S. Tourison, 5511 Germantown Ave.

**Reading, Pa.**—Pear St., bet. Washington and Walnut Sts., 6 two-story brick dwellings; owner, Catharine Blatt.

**St. Louis, Mo.**—Two-story dwell., Sixth St., bet. Haven and Loughborough Sts.; cost, \$3,500; owner, J. H. Dates; contractor, Chas. Hall.

One-and-one-half-story dwell., Virginia and Merimac Sts.; cost, \$4,000; owner, Hy. Oldeg; contractors, Kopp & Hardbeck.

**Swathmore, Pa.**—On the De Aimond tract, 3 dwellings will be built.

OFFICE-BUILDINGS.

**Newark, N. J.**—Bank St., fourteen-story office-building; owners, Prudential Industrial Insurance Co.; architect, George B. Post, New York.

STABLES.

**Manayunk, Pa.**—Main St. and Green Lane, two-story stone and brick stable; owners, Glen Willow Ice Manufacturing Co., 451 Main St.

**Philadelphia, Pa.**—Juniper St., n Snyder Ave., two-story brick stable; contractor, Jos. E. Clark, 2006 South Thirteenth St.

**Warneck St.**, s w cor. Cambria St., two-story brick stable; contractor, Henry Sills, 2802 Filmore St.

**Butler St.**, w Sixteenth St., two-story stable; owner, D. C. Murtha, Sixteenth and Butler Sts.

**North Twenty-eighth St.**, No. 1223, rear, three-story brick stable; contractor, Chas. D. Hill, 1511 North Twenty-seventh St.

**Ruth St.**, n Cambria St., two-story brick stable; owner, Cornelius Kieley, 1809 East Cambria St.

**Parks St.**, one-story brick stable; contractor, Wm. J. Johnson, 2740 Federal St.

STORES.

**Brooklyn, N. Y.**—Second St., w s. 19' 2" s Fifty-eighth St., 6 three-story frame stores and dwellings, gravel roofs; cost, \$2,000 each; owner and builder, Chas. Hart, Fourth Ave. and Degraw St.; architect, J. H. Pigot, 189 Montague St.

**Second Ave.**, n w cor. Fifty-ninth St., and Second Ave., s w cor. Fifty-eighth St., 2 three-story frame stores and dwellings, gravel roofs; cost, \$2,000 each; owner and builder, Chas. Hart, Fourth Ave. and Degraw St.; architect, J. H. Pigot, 189 Montague St.

**Court St.**, No. 84, five-story brick store and dwell., tin roof; cost, \$12,000, owner, Mark Rosenthal, 104 Court St.; architect, Michael Bernstein, 241 East Broadway, New York City.

**Withers St.**, n s. 150' e Eren St., four-story frame store and dwell., tin roof; cost, \$5,500; owner, Estate of Peter Kelaher, 254 South First St.; architect, Th. Engelhardt, 905 Broadway.

**Hull St.**, n s. 90' e Stone Ave., 3 three-story frame stores and dwellings, tin roofs; cost, \$4,500 each; owner and builder, Jos. Eirrich, 90 Hamburg Ave.

**Watkins St.**, e s. 100' e Eastern Parkway, 4 four-story brick stores and dwellings, tin roofs; cost, \$8,500; owner, Abraham Simons.

**Philadelphia, Pa.**—Orthodox St., w Tremont Ave., two-story brick store and dwell.; contractor, Andrew Anderson, 3471 Weikel St.

**Poplar St.**, No. 1009, store; owner, Wm. Aab, 233 Fairmount Ave.

**Taney and Clearfield Sts.**, one-story brick store; owner, Alphonse Runtz Co., 3081 Taney St.

**Girard Ave.**, e Thirty-eighth St., 3 one-story brick store and storage cellars; contractor, Chas. Aucter, 1523 North Twenty-seventh St.

**Richmond St.**, three-story store with back buildings; contractor, W. J. Welsh, 3193 Clifton St.

**St. Louis, Mo.**—Two-story store and flats, Taylor Ave. and Market St.; cost, \$5,000; owner, C. Y. Simon; contractor, F. Wende.

Two-story store building, w s Seventh St., bet. Olive and Locust Sts.; cost, \$12,000; owner, Chas. Fider; contractor, S. H. Hoffmann.

MISCELLANEOUS.

**Philadelphia, Pa.**—Leaning St., No. 112, two-story brick laundry; contractor, John Stimmler, 4118 Manayunk Ave.

**Barclay St.**, No. 705, one-story brick laundry; contractor, Thomas Eccles, 206 Gaskill St.

**Diamond St.**, No. 2846, 2 brick buildings; owner, Dr. L. R. Slifer.

**Third St.**, n e cor. Jarvis St., three-story brick building; contractor, Edward Malloy, 2855 Kensington Ave.

[See Alphabetical Index on page XVIII for Pagination.]

Classified Advertisements.

[Advertisers can be indexed only under a single head free of charge.]

|                                                                                    |                                                                                     |                                                                                  |                                                                     |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|---------------------------------------------------------------------|
| <b>Air Valves.</b><br>Hodge Bros., Boston, Mass.                                   | <b>Consulting Engineer.</b><br>George Hill, New York, N. Y.                         | <b>Hot-Water Heating.</b><br>Detroit Heating & Lighting Co., Detroit, Mich.      | <b>Roofing Tiles.</b><br>Detroit Roofing Tile Co., Baltimore, Md.   |
| <b>Antinomian.</b><br>W. H. Schieffelin & Co., New York, N. Y. (sow)               | <b>Contracting.</b><br>Frost Building & Construction Co., Palmer, Mass.             | <b>Insulated Wire.</b><br>W. H. Briley, New York, N. Y. (sow)                    | <b>Salt.</b><br>J. C. Ewart & Co., Akron, O. (sow)                  |
| <b>Annunciators.</b><br>W. R. Cottrill & Co., New York.                            | <b>Cordage.</b><br>Samson Cordage Works, Boston. (sow)                              | <b>Iron-Work (Architectural).</b><br>Belmont Iron Works, Philadelphia, Pa. (sow) | <b>Sanitary Supplies.</b><br>Haines, Jones & Co., Philadelphia, Pa. |
| <b>Architects.</b><br>Bailey & Truett, Philadelphia, Pa. (mon)                     | <b>Crescent Stairs.</b><br>S. Cabot, Boston, Mass.                                  | <b>Insurance.</b><br>Continental Insurance Co., N. Y. (sow)                      | <b>Smith &amp; Anthony Co., Boston.</b>                             |
| <b>Architect's Materials.</b><br>Frost & Adams, Boston.                            | <b>Coverings (Boiler &amp; Pipe).</b><br>H. W. Johns Mfg. Co., New York, N. Y.      | <b>Insurance Co., N. Y.</b>                                                      | <b>Smith &amp; Anthony Co., Bridgeport, Conn.</b>                   |
| <b>Architectural Sheet-Metal Ornamental Works.</b><br>W. H. Mullins, Salem, O.     | <b>Decorators.</b><br>L. Habershtet & Son, Boston.                                  | <b>Insurance Co., N. Y.</b>                                                      | <b>Smith &amp; Anthony Co., Bridgeport, Conn.</b>                   |
| <b>Artificial Stones.</b><br>Winn Paving Co., New York, N. Y. (sow)                | <b>Door Hangers.</b><br>Lane Bros. Poughkeepsie, N. Y.                              | <b>Insurance Co., N. Y.</b>                                                      | <b>Smith &amp; Anthony Co., Bridgeport, Conn.</b>                   |
| <b>Asbestos Felt &amp; Boiler Coverings.</b><br>H. W. Johns Mfg. Co., New York.    | <b>Door-Knobs.</b><br>J. Barclay, New York, N. Y.                                   | <b>Insurance Co., N. Y.</b>                                                      | <b>Smith &amp; Anthony Co., Bridgeport, Conn.</b>                   |
| <b>Asbestos Felt.</b><br>H. F. Watson Co., Erie, Pa.                               | <b>Drawing Ink.</b><br>Chas. M. Higgins, Brooklyn, N. Y.                            | <b>Insurance Co., N. Y.</b>                                                      | <b>Smith &amp; Anthony Co., Bridgeport, Conn.</b>                   |
| <b>Asbestos Paint.</b><br>H. W. Johns Mfg. Co., New York.                          | <b>Drawing Instruments.</b><br>Three Allegheny & Sons, Philadelphia, Pa. (sow)      | <b>Insurance Co., N. Y.</b>                                                      | <b>Smith &amp; Anthony Co., Bridgeport, Conn.</b>                   |
| <b>Asphalt.</b><br>Neuchatel Asphalt Co., New York.                                | <b>Electric Switch.</b><br>Cutter Electrical & Mfg. Co., Philadelphia, Pa.          | <b>Insurance Co., N. Y.</b>                                                      | <b>Smith &amp; Anthony Co., Bridgeport, Conn.</b>                   |
| <b>Asphalt.</b><br>New York Asphalt Works, New York, N. Y.                         | <b>Elevators, etc.</b><br>Grave Elevator Co., Rochester, N. Y.                      | <b>Insurance Co., N. Y.</b>                                                      | <b>Smith &amp; Anthony Co., Bridgeport, Conn.</b>                   |
| <b>Asphalt Roofing.</b><br>Warren Chemical & Mfg. Co., New York.                   | <b>Engineers' Help.</b><br>The Engineering Employment Bureau.                       | <b>Insurance Co., N. Y.</b>                                                      | <b>Smith &amp; Anthony Co., Bridgeport, Conn.</b>                   |
| <b>Bain Cocks.</b><br>Sibbings Mfg. Co., Brighton, Mass. (sow)                     | <b>Fan (Ventilating).</b><br>Huyett & Smith Mfg. Co., Detroit, Mich.                | <b>Insurance Co., N. Y.</b>                                                      | <b>Smith &amp; Anthony Co., Bridgeport, Conn.</b>                   |
| <b>Bath-Tub.</b><br>Fred. F. Bischoff & Co., Chicago, Ill. (mon)                   | <b>Fireproof Building.</b><br>Henry Maurer, New York.                               | <b>Insurance Co., N. Y.</b>                                                      | <b>Smith &amp; Anthony Co., Bridgeport, Conn.</b>                   |
| <b>Bellows.</b><br>Miller & Coates, New York.                                      | <b>Fireproof Construction.</b><br>Pioneer Fireproof Construction Co., Chicago, Ill. | <b>Insurance Co., N. Y.</b>                                                      | <b>Smith &amp; Anthony Co., Bridgeport, Conn.</b>                   |
| <b>Bells.</b><br>S. L. Mott Iron Works, New York.                                  | <b>Fireproof Lathing.</b><br>Hayes Metallic Lathing, New York.                      | <b>Insurance Co., N. Y.</b>                                                      | <b>Smith &amp; Anthony Co., Bridgeport, Conn.</b>                   |
| <b>Blake Bell Co., Boston, Mass.</b>                                               | <b>Floors (Hardwood).</b><br>The Interior Hardwood Co., Indianapolis, Ind.          | <b>Insurance Co., N. Y.</b>                                                      | <b>Smith &amp; Anthony Co., Bridgeport, Conn.</b>                   |
| <b>Blue Prints.</b><br>Spaulding & Moss, Boston, Mass. (sow)                       | <b>Floors (Metallic).</b><br>Wood Mosaic Co., Rochester, N. Y. (sow)                | <b>Insurance Co., N. Y.</b>                                                      | <b>Smith &amp; Anthony Co., Bridgeport, Conn.</b>                   |
| <b>Boilers.</b><br>Babcock & Wilcox Co., New York.                                 | <b>Floors (Parquet).</b><br>National Wood Mfg. Co., N. Y.                           | <b>Insurance Co., N. Y.</b>                                                      | <b>Smith &amp; Anthony Co., Bridgeport, Conn.</b>                   |
| <b>Books and Journals.</b><br>Randolph & Clowes, Watervly, Conn.                   | <b>Gates.</b><br>Wm. H. Pitt, New York, N. Y. (mon)                                 | <b>Insurance Co., N. Y.</b>                                                      | <b>Smith &amp; Anthony Co., Bridgeport, Conn.</b>                   |
| <b>Brass Woods.</b><br>I. B. Shannon & Sons, Philadelphia. (mon)                   | <b>Glass (Blind and Ornamental).</b><br>Matland Armstrong & Co., New York.          | <b>Insurance Co., N. Y.</b>                                                      | <b>Smith &amp; Anthony Co., Bridgeport, Conn.</b>                   |
| <b>Brick &amp; Ashlar.</b><br>Fiske, Holmes & Co., Boston.                         | <b>Glass (Plate and Ornamental).</b><br>Matthews Decorative Glass Co., New York.    | <b>Insurance Co., N. Y.</b>                                                      | <b>Smith &amp; Anthony Co., Bridgeport, Conn.</b>                   |
| <b>Brick (Colored).</b><br>Jarden Brick Co., Philadelphia, Pa.                     | <b>Glass (Plate and Ornamental).</b><br>Donald MacDonald, Boston.                   | <b>Insurance Co., N. Y.</b>                                                      | <b>Smith &amp; Anthony Co., Bridgeport, Conn.</b>                   |
| <b>Brick (Ornamental).</b><br>Fleming Cement & Brick Co., New York. (sow)          | <b>Glass (Plate and Ornamental).</b><br>Tiffany Glass & Decorating Co., New York.   | <b>Insurance Co., N. Y.</b>                                                      | <b>Smith &amp; Anthony Co., Bridgeport, Conn.</b>                   |
| <b>Brick (Refractory).</b><br>J. H. Gates, Boston, Mass. (sow)                     | <b>Grates, etc.</b><br>J. C. Conover & Co., New York.                               | <b>Insurance Co., N. Y.</b>                                                      | <b>Smith &amp; Anthony Co., Bridgeport, Conn.</b>                   |
| <b>Brick (Refractory).</b><br>Hydraulic Press Brick Co., St. Louis.                | <b>Grates, etc.</b><br>E. A. Jackson & Bro., New York, N. Y.                        | <b>Insurance Co., N. Y.</b>                                                      | <b>Smith &amp; Anthony Co., Bridgeport, Conn.</b>                   |
| <b>Brick (Refractory).</b><br>Peerless Brick Co., Philadelphia, Pa.                | <b>Grates, etc.</b><br>Wm. H. Jackson & Co., New York.                              | <b>Insurance Co., N. Y.</b>                                                      | <b>Smith &amp; Anthony Co., Bridgeport, Conn.</b>                   |
| <b>Brick (Refractory).</b><br>Waldo Bros., Boston.                                 | <b>Grates, etc.</b><br>Wm. H. Jackson & Co., New York.                              | <b>Insurance Co., N. Y.</b>                                                      | <b>Smith &amp; Anthony Co., Bridgeport, Conn.</b>                   |
| <b>Bronze and Brass Work.</b><br>Paul E. Cabaret, New York, N. Y.                  | <b>Grates, etc.</b><br>Wm. H. Jackson & Co., New York.                              | <b>Insurance Co., N. Y.</b>                                                      | <b>Smith &amp; Anthony Co., Bridgeport, Conn.</b>                   |
| <b>Building Felt (Fire and Waterproof).</b><br>H. W. Johns Mfg. Co., New York.     | <b>Grates, etc.</b><br>Wm. H. Jackson & Co., New York.                              | <b>Insurance Co., N. Y.</b>                                                      | <b>Smith &amp; Anthony Co., Bridgeport, Conn.</b>                   |
| <b>Building Papers.</b><br>H. F. Watson Co., Erie, Pa.                             | <b>Grates, etc.</b><br>Wm. H. Jackson & Co., New York.                              | <b>Insurance Co., N. Y.</b>                                                      | <b>Smith &amp; Anthony Co., Bridgeport, Conn.</b>                   |
| <b>Ceilings (Metal).</b><br>New York Metal Ceiling Co., New York, N. Y.            | <b>Grates, etc.</b><br>Wm. H. Jackson & Co., New York.                              | <b>Insurance Co., N. Y.</b>                                                      | <b>Smith &amp; Anthony Co., Bridgeport, Conn.</b>                   |
| <b>Cement (Hydraulic).</b><br>F. G. Norton Cement Co., N. Y.                       | <b>Grates, etc.</b><br>Wm. H. Jackson & Co., New York.                              | <b>Insurance Co., N. Y.</b>                                                      | <b>Smith &amp; Anthony Co., Bridgeport, Conn.</b>                   |
| <b>Cement (Portland).</b><br>Alsen's Cement Works, New York, N. Y. (sow)           | <b>Grates, etc.</b><br>Wm. H. Jackson & Co., New York.                              | <b>Insurance Co., N. Y.</b>                                                      | <b>Smith &amp; Anthony Co., Bridgeport, Conn.</b>                   |
| <b>Cement (Portland).</b><br>Brooks, Shook & Co., New York.                        | <b>Grates, etc.</b><br>Wm. H. Jackson & Co., New York.                              | <b>Insurance Co., N. Y.</b>                                                      | <b>Smith &amp; Anthony Co., Bridgeport, Conn.</b>                   |
| <b>Cement (Portland).</b><br>Fleming Cement & Brick Co., New York. (sow)           | <b>Grates, etc.</b><br>Wm. H. Jackson & Co., New York.                              | <b>Insurance Co., N. Y.</b>                                                      | <b>Smith &amp; Anthony Co., Bridgeport, Conn.</b>                   |
| <b>Cement (Portland).</b><br>Johnson & Wilson, New York.                           | <b>Grates, etc.</b><br>Wm. H. Jackson & Co., New York.                              | <b>Insurance Co., N. Y.</b>                                                      | <b>Smith &amp; Anthony Co., Bridgeport, Conn.</b>                   |
| <b>Cement (Portland).</b><br>Lawrence Cement Co., New York, N. Y.                  | <b>Grates, etc.</b><br>Wm. H. Jackson & Co., New York.                              | <b>Insurance Co., N. Y.</b>                                                      | <b>Smith &amp; Anthony Co., Bridgeport, Conn.</b>                   |
| <b>Cement (Portland).</b><br>E. Thiele, New York, N. Y.                            | <b>Grates, etc.</b><br>Wm. H. Jackson & Co., New York.                              | <b>Insurance Co., N. Y.</b>                                                      | <b>Smith &amp; Anthony Co., Bridgeport, Conn.</b>                   |
| <b>Chimney Tops.</b><br>H. M. Hansen, Chicago, Ill. (mon)                          | <b>Grates, etc.</b><br>Wm. H. Jackson & Co., New York.                              | <b>Insurance Co., N. Y.</b>                                                      | <b>Smith &amp; Anthony Co., Bridgeport, Conn.</b>                   |
| <b>Chrome Steel Castings.</b><br>Chrome Steel Works, Brooklyn, N. Y. (sow)         | <b>Grates, etc.</b><br>Wm. H. Jackson & Co., New York.                              | <b>Insurance Co., N. Y.</b>                                                      | <b>Smith &amp; Anthony Co., Bridgeport, Conn.</b>                   |
| <b>Clay Shingles.</b><br>Clay Shingle Co., Indianapolis, Ind.                      | <b>Grates, etc.</b><br>Wm. H. Jackson & Co., New York.                              | <b>Insurance Co., N. Y.</b>                                                      | <b>Smith &amp; Anthony Co., Bridgeport, Conn.</b>                   |
| <b>Conductors (Water).</b><br>W. Austin Obely, Co., Philadelphia.                  | <b>Grates, etc.</b><br>Wm. H. Jackson & Co., New York.                              | <b>Insurance Co., N. Y.</b>                                                      | <b>Smith &amp; Anthony Co., Bridgeport, Conn.</b>                   |
| <b>Conductors (Water).</b><br>Boston Spiral Tube Works, Boston.                    | <b>Grates, etc.</b><br>Wm. H. Jackson & Co., New York.                              | <b>Insurance Co., N. Y.</b>                                                      | <b>Smith &amp; Anthony Co., Bridgeport, Conn.</b>                   |
| <b>Conductors (Water).</b><br>Bender's Standing-Seam Conductor Co., Allegheny, Pa. | <b>Grates, etc.</b><br>Wm. H. Jackson & Co., New York.                              | <b>Insurance Co., N. Y.</b>                                                      | <b>Smith &amp; Anthony Co., Bridgeport, Conn.</b>                   |
| <b>Conductors (Water).</b><br>Lord & Barnham Co., Irvington-on-Hudson, N. Y.       | <b>Grates, etc.</b><br>Wm. H. Jackson & Co., New York.                              | <b>Insurance Co., N. Y.</b>                                                      | <b>Smith &amp; Anthony Co., Bridgeport, Conn.</b>                   |



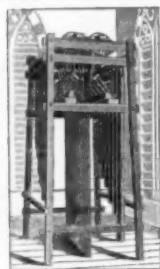
# ALSEN'S PORTLAND CEMENT

is the strongest and most serviceable Cement made, and will permit the admixture of a larger amount of sand or gravel with less loss of strength than any other brand; it is therefore the most economical. It is the finest ground cement made, and has the largest bulk to the barrel.

The following test, made in actual work, by Col. D. C. HOUSTON, Corps of Engineers, U. S. A., at the sea wall around Governor's Island, New York Harbor, has never been equalled by any other cement. It is as follows: Tensile strength per square inch, one day, 384 pounds; seven days, 600 pounds; thirty days, 818 pounds.

For Sidewalks it gives the best color, and the most enduring wearing surface. Most of the prominent Railroad Bridges and the large Office Buildings of the country stand upon a foundation of concrete made of ALSEN'S CEMENT.

*Alsen's Portland Cement Works, New York Office, 143 Liberty Street.*



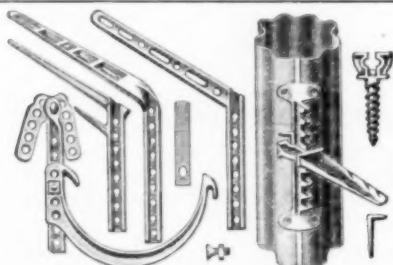
## TUBULAR CHIME BELLS

Harrington Patents.

Established in England.  
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Lighter in Weight  
Sweeter in Tone  
Cheaper in Price  
Than the ordinary bell  
Catalogue with full description.

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## THE BEST EAVE TROUGH HANGERS AND PIPE FASTENERS ON EARTH.

Also BERGER'S LONG EAVE GUTTERS, PIPE HOOKS AND FASTENERS of every description, RIDGING CRACKING, FINIALS, REGISTERS AND VENTILATORS, and samples and catalogues free.

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## MONOGRAPHS

Of American Architecture, - No. 5.

TRINITY CHURCH,

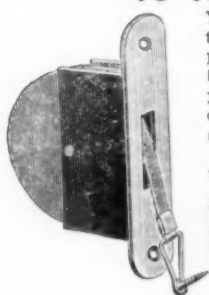
BOSTON, MASS.,

GAMBRILL & RICHARDSON, Architects.

Twenty-three Plates, of which one is Heliochrome. Price, \$10.00.

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You would overlook the most important part of your building by neglecting to have your windows properly counterbalanced so they work free.

Have your Architect specify our

**Steel Frame Sash Balance**

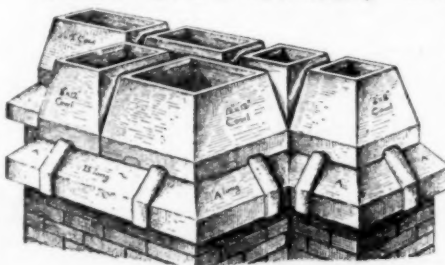
If you want good results.

**PULLMAN SASH BALANCE CO.,**  
ROCHESTER, N. Y.



## THE HANSEN PATENT Weather-Protecting SALT GLAZED, (EVER-LASTING)

### Terra Cotta Chimney Topping.



THESE Toppings, made by steam-press, VITRIFIED, SALT-GLAZED and in RICH DARK BROWN color, finish and weather-resisting quality are just like first-class Ohio sewer pipe, and cost only a trifle more than common unprotected brick topplings.

HAROLD M. HANSEN, Architect,  
89 La Salle Street, CHICAGO, ILL., Patented.

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Messrs. CAMP & THOMPSON, Cuyahoga Falls, Ohio.

THE STANDARD DRAIN-PIPE CO., St. Johns, P. Q., Canada.

W. S. DICKEY CLAY MANUFACTURING CO., New York Life Bldg., Kansas City, Mo.

EMPIRE FIREPROOFING CO., Main Office Cor. Wood and Fifth Ave., Pittsburgh, Pa.

Works at Empire, Ohio.

Also, Manufacturers of Wall Coping, Sewer Pipe and other Clay Products.



ECONOMY?

## SOMETHING NEW FOR THE STABLE! READ'S PATENT HARNESS BRACKET.



An article long wanted but never before made. Holding the whole harness, taking no more room than the ordinary hook or peg, and can be used for both single or double harness. The harness can be placed upon or removed as easily as on the common hook, and gives the harness case a neat and finished appearance, as it carries the harness up uniformly in width with the saddle, besides keeping the bridle and breast-plate in their proper shape. They are neatly japanned, with gilt facings. Price, \$18 per dozen. Are now in use in hundreds of first-class private stables throughout the United States. The best guarantee being between two and three thousand now.

in use by the Harness Trade in Boston alone, and are endorsed and approved by the following named gentlemen, all of whom have them in use: BOSTON: R. H. White; J. Montgomery Sears; J. T. Morse, Jr.; Thos. Motley; Waldo Adams, with the Adams Express Co. SO. BOSTON: Benjamin Dean. CAMBRIDGE: F. A. Kennedy; John Bartlett. PORTSMOUTH, N. H.: Hon. Frank Jones. MILTON: Col. H. S. Russell; J. Malcolm Forbes. DEHAM: A. W. Nickerson. BALTIMORE, MD.: J. D. Mallory. NEWTON: J. C. Potter; C. E. Billings; A. R. Mitchell. WALTHAM: James H. Ellison. READVILLE: C. G. White. SWAMPSCOTT: C. P. Curtis. PHILADELPHIA, Pa.: Edward N. Williams, of the Baldwin Locomotive Works.

Each Brackett lettered "J. J. READ, BOSTON, MASS." For sale by dealers everywhere.

Read's Patent Combination Whip Rack for both English, Coach and Straight Whips. Price, 50c, each. Riding-Saddle Brackett has polished cherry wood tops. Price, \$3.00 each.

The public is cautioned against all similar bracketts not marked with my stamp, as such bracketts are infringements of patents held by me. JAMES J. READ, 13 Tremont Row (Room 10), Boston.

# THE AMERICAN ARCHITECT AND BUILDING NEWS

ADVERTISERS' TRADE SUPPLEMENT.

No. 138.

SATURDAY, DECEMBER 2, 1893.

VOLUME XLIII.  
No. 138.

## NEW YORK MASTIC WORKS.

THE Compagnie Générale des Asphaltes de France is the *originator* of the compressed asphalt industry for roadways, as well as of the plant and tools used therein.

It is the sole proprietor of the celebrated asphalt mine of Seyssel, and of extensive asphalt mines in Ragusa, Sicily. It also holds the concession of asphalt mines at Mons (Gard) France.

Realizing the demand in the United States for asphalt work as used in Paris and other European Cities, this company has purchased freehold property (covering about thirty-three lots) at Hunter's Point on the East River in New York Harbor, and has erected steam crushing, grinding and mastic works for the purpose of manufacturing Seyssel rock asphalt powder, and mastic, to be delivered to any point in the United States or Canada.

The New York Mastic Works have for many years laid the Seyssel Rock Asphalt Mastic in the principal parks in the City of New York and have themselves, and through their

agents, shown the superiority of the Seyssel asphalt for the various uses for which it has been specified in buildings and engineering constructions. They are now prepared to take contracts for roadways of compressed asphalt as laid in Paris, with the products of their own mines. They have just finished extensive work in Battery and East River Parks in New York and have the contracts for asphalt work at Museum of Natural History, House of Relief, German Hospital, U. S. Barge Office, Thomas Building, St. Mary's Hospital, 80th Street Grammar School, 46th Street Grammar School, etc.

Compressed rock has been laid at Eagle Avenue and 162d Street, New York City.

NEW YORK MASTIC WORKS,  
NEW YORK, N. Y.

## IN MEMORIAM.

SYLVESTER PHINEAS PIERCE.

BORN September 19, 1814. Died November 5, 1893.

Our President, and the head of our house, was born in the little hamlet of Sanquoit, Town of Paris, Oneida County, New York.

left the family in such circumstances that Sylvester soon found it necessary to make his own way in the world, and obtained employment in the village store. Afterward, for two years he was a clerk in the store of Jay Hathaway, of Rome, N. Y. Experience by day and study by night gave him a business education, and he soon gained a reputation as an expert accountant. From Rome he went to Utica, where he was employed in the dry-goods store of Theo. S. Gould, and later in the crockery establishment of Ransom Curtis. Observations made when travelling through the country in the service of this concern

decided Mr. Pierce to locate in the village of Syracuse, and in 1839 he came here and opened a crockery store, removing in 1840 to the present site, where for fifty-three years Mr. Pierce has been the head of the business. From the village store grew a large importing and jobbing house, which became famous throughout the State and one of the leading establishments of our city. With the introduction of gas-lighting Mr. Pierce added chandeliers to

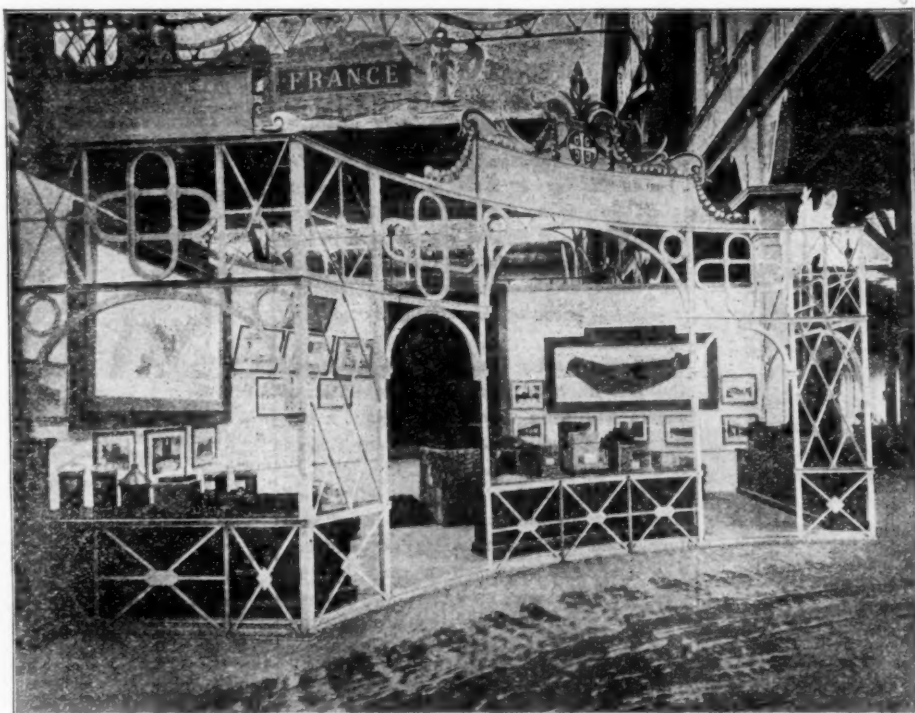


Exhibit of the New York Mastic Works at the World's Fair, Chicago.

He was the fifth of a family of eight children of Dr. Spaulding Pierce and Abigail Bacon, a representative couple of the sturdy New England stock which settled the wilderness of Central New York, then regarded as the far west; Dr. Pierce coming from Plainfield, in the Connecticut Valley, and his wife a native of Dedham, in the old Bay State. Doctor Pierce settled in Paris, Oneida County, and was a practising physician of the old school, covering a large area of the early settlements of the time. He died when the boy Sylvester was but twelve years old. Financial reverses just previous to his death

his business, and started a small shop devoted to gas-fitting and piping. From this beginning sprang a business which rapidly developed and led to the establishment of the firm of Pierce, Butler & Pierce, and later to the incorporation of the Pierce, Butler & Pierce Manufacturing Company. Through all of these years of business life, scrupulous honesty, steadfast integrity, and a high order of business sagacity have characterized all undertakings in which he engaged. He leaves us and this life not only with the respect of all who have known him, but with the deeply-fixed love and veneration



of all those who have been connected with this gentle, kindly, true-hearted man.

Verily, our loss is great.

PIERCE, BUTLER & PIERCE MFG. CO.  
S. P. PIERCE, SONS & CO.

#### CABOT'S SHEATHING QUILT.

THIS substance combines the most perfect non-conducting properties, both for heat and sound. It is by actual test warmer than three thicknesses of the best wool-felted paper, and will give a far warmer house than is obtained by back-plastering, — at a fraction of the expense.

For deadening purposes, its wonderful elasticity renders it much superior to anything hitherto devised. It may thus be seen that its utility is as great under the brick or between the floors of a city building as beneath the clapboards or shingles of a country house.

The ribbon-like structure of the fibre which is used in the interior gives a laminated, overlying succession of layers, similar to the feathers of a bird's body, and peculiarly fitted to keep out cold, while its antiseptic qualities and freedom from animal matter protect it from moths and other insects.

As the sea plant of which it is made contains silicon in place of carbon, the Quilt is much less inflammable than common sheathing papers. This can easily be determined by testing with a match.

The Quilt is sold in bales, each bale containing a Quilt one yard wide and fifty-six yards long, — containing over five hundred square feet ( $9 \times 56 = 504$ ), — which can be cut to any desired length, and easily handled and applied. It can be cut also to fit window and door spaces.

When used as a deadener between floors, the Quilt is laid on the under boarding and the upper floor is then put directly on it, without strips of any sort, in order to take advantage of its full deadening powers.

When used in partitions for deadening purposes, it can be applied to the studs.

We do not wish to lay down rules as to the use of Sheathing Quilt, as it can be applied in many different ways and used for an almost endless variety of purposes.

Among the latter are the protection of cold-storage warehouses, ice-chests, cold closets, attics and all exposed portions of houses, where, to secure an even more perfect protection, it is often advisable to apply it both under the shingles and on the studding inside.

Labor is always the most expensive item; and the fact that this material can be applied in incomparably shorter time than back-plaster is a strong point in its favor. Back-plastering costs about two and one-fifth cents per square foot, while our Quilt costs less than one cent per square foot. This of course would not be so important if the back-plastering were the better method, but we guarantee the Quilt to be a more effective protection against heat and cold than back-plaster. Once a house is finished — if it is found to be cold, the only remedy is an expensive heating-apparatus and large quantities of fuel. Quilt is the "ounce of prevention," and this costly addition the "pound of cure."

It is also much more effective, and much less expensive, than any other sound-deadening material that has any value at all.

The peculiar fitness of our Sheathing Quilt for use in houses of moderate cost will be seen at once. In such houses the construction must necessarily be less thorough than in more costly dwellings, and they offer, there-

fore, a less effective protection against heat and cold.

"Thin" houses, houses that "leak wind," or any sort of building of cheap construction, can be made practically weather-proof at a very slight expense with our material. For this reason it will be found a great economizer of fuel, as the heat, once created, cannot escape, and the cold will be kept out. The latter, of course, applies with equal force to heat in summer.

The cost of a sufficient amount of Quilt to thoroughly line the outside walls of a house 30 by 20 feet and 20 feet high, and having an L 15 by 10 feet, and ten feet high, is but \$22.72; and if you then line the roof of both house and L, the cost is but \$10 more.

Think of it! Completely encasing your house in this temperature-defying Quilt, and securing almost absolute immunity from the cold of winter and the heat of summer, — at an expense of \$32.72; less than one cent per square foot. It is securing home comfort for almost nothing.

Samples will be sent on application.  
SAMUEL CABOT, Patentee and Sole Manufacturer,  
70 KILBY STREET, BOSTON, MASS.

#### NOTES.

30 CORTLANDT STREET, NEW YORK CITY, N. Y.,  
November 3, 1893.

Gentlemen, — Below we give copy of a special notice in relation to boilers at the World's Fair, Chicago, which we placed on the front of our boilers during the last few weeks of the Fair. We would be very much obliged if you would give this notice a place in your reading columns:

#### SPECIAL NOTICE.

These boilers have received no Award.  
Why? Read! Learn!

"We were informed that it was the purpose of the Jury to make awards on boilers based entirely on the written statements of the exhibitors of boilers, without tests or any personal knowledge in the possession of said Jury concerning the comparative construction, operation, economy, or durability of said boilers.

"We were asked to make such a statement, and were informed that all other exhibitors of boilers had been requested to make a like statement of their claims for the consideration of the Jury of Awards.

"Believing that an award, based on such insufficient knowledge on the part of said Jury, could be of no practical value, and notwithstanding the expense incurred by this Company in making an exhibit, we respectfully declined to make any such written statement for the purpose of receiving an award upon our boilers.

"While we do not in the least envy those who have, upon such knowledge by the Jury, been awarded premiums, we are equally content to stand upon the record without an award based on such a knowledge of our goods."

Yours very truly,  
THE BABCOCK & WILCOX CO.,  
NEW YORK, N. Y.

NEW YORK, N. Y., November 10, 1893.  
TO I. P. FRINK, 551 PEARL STREET: —

Dear Sir, — The two reflectors which you put in the Hope Church have now been in use six months, and we have had ample opportunity to test their value. I can truthfully say, they give unbounded satisfaction. Their handsome appearance adds much to the furnishing of the building; but their real value lies in their economy in the consumption of gas, and in the diffusion of a mellow

and pleasant light throughout the entire building. I have found from a practical experience with all methods, that the lighting of a building from a central reflector is vastly superior to any other method, and I believe yours is the best reflector made. You may make any use that you choose of this testimony which is given for the benefit of those who are seeking the best results possible in the lighting of their church.

Sincerely yours, RICHARD HARTLEY,  
Pastor of Hope Baptist Church.

#### BUILDING INTELLIGENCE.

Reported for the American Architect & Building News.

##### APARTMENT-HOUSES.

St. Louis, Mo. — Two-sty flats, s s Sheandoah St., bet. Grand and Spring Aves.; cost, \$7,000; owner and contractor, T. H. Busey.

##### CHURCHES.

Baltimore, Md. — Temple to cost \$35,000 is contemplated by the congregation of Chizuk Emunah Synagogue.

Beaver Falls, Pa. — Plans are out for a new M. P. Church; cost, \$15,000.

Brooklyn, N. Y. — Steuben St., e s, 100' s Myrtle Ave., two-sty brick church, tin roof; cost, \$20,000; owners, Emanuel Baptist Church, Lafayette Ave.; architect, W. B. Tubby, 81 Fulton St., New York; builders, S. W. Seaman & Son, 133 Grand Ave.

Camden, N. J. — All Saints' Episcopal Church will be built at Stanwick.

Chicago, Ill. — John Chapel, church, 1123 1129 Sawyer Ave.; cost, \$5,000.

Kennett Square, Pa. — Linden St., brick church will be built by the Bethel Methodist Congregation; Rev. Spriggs, pastor.

Lewickley, Pa. — The Presbyterian and Episcopal Congregations are each expecting to build new churches.

Lowell, Mass. — Princeton St., church; Rev. R. A. Green, pastor.

Philadelphia, Pa. — Cayuga St. and Germantown Ave., stone chapel for All Saints' Lutheran Church.

Wilkinsburg, Pa. — A new church will be built by the M. P. Church Congregation.

##### FACTORIES.

Brooklyn, N. Y. — Thirty-ninth St., e Eleventh Ave., seven-sty factory; cost, \$30,000; owner, C. A. Jacob, 193 Van Brunt St.

Chicago, Ill. — Charles Moss, three-sty factory, 768-770 Elk Grove Ave.; cost, \$3,500.  
J. Rothenberg, 4 two-sty factories and flats, 969 West Madison St.; cost, \$14,000.

##### HOTELS.

Carbondale, Pa. — Four-sty brick and stone hotel; cost, \$50,000; architect, L. C. Holden, Lincoln Building, New York City; contractor, Conrad Schroeder, Scranton, Pa.

Old Point Comfort, Pa. — Hotel; architects, J. Fraser & Son, 413 Walnut St., Philadelphia.

Reading, Pa. — Eleventh and Penn Sts., hotel; cost, \$100,000. The Penn Real Estate Co. can give information.

##### HOUSES.

Ambler, Pa. — Stone and shingle dwell.; owner and architect, E. C. Kent, 140 South Fourth St., Philadelphia.  
Dwell.; owner, John J. Houghton; architect, E. C. Kent.

Baltimore, Md. — J. R. Ammidon, three-sty brick building, e s Park Ave., bet. McMechen and Wilson Sts.

E. F. Ruddell, 3 two-sty brick buildings, s s Walker St., bet. Bond and Bethel Sts.

Wm. Bosley, 2 two-sty brick buildings, n s Fort Ave., w Richardson St.

J. H. Warthen, three-sty brick building, Patterson Ave., bet. Carey and Stockton Sts.

Joe. H. Pentz, 13 two-sty brick buildings, s s Harlem Ave., beg. s e cor. Payson St.

Jas. W. Ames, 7 two-sty brick buildings, s s Lavale St., beg. s e cor. Appleton St.

J. K. Hubbard, 7 two-sty brick buildings, e s McCulloh St., s Whitelock St.

Bay Head, N. J. — Dwell.; owner, Dr. Charles P. Noble, Philadelphia; architect, Charles P. Baldwin, Prudential Building, Newark, N. J.

Bloomfield, N. J. — Three-sty frame dwell.; cost, \$3,500; owner, Thos. H. Decker; architect, Charles P. Baldwin, Prudential Building, Newark, N. J.

Boston, Mass. — Anascan Ave., near Park St., Ward 23, 3 frame dwells., 23.9' x 29', 24.6' x 33.6', 28' x 29'; owner, Mrs. G. L. Rogers; builder, W. S. Mitchell.

Brooklyn, N. Y. — Pulaski St., n s, 445' e Tompkins Ave., 2 two-and-one-half-sty brick dwells., tin roofs; cost, \$6,000 each; owner, T. E. Greenland, 171 Pulaski St.

South Fifth St., s s, 150' e Hooper St., four-sty brick dwell., tin roof; cost, \$8,000; owner and builder, Hugh Fehling, 391 South Fifth St.; architect, Th. Engelhardt, 305 Broadway.

Nassau Ave., n s, 44' e North Henry St., 3 three-sty frame dwells., gravel roofs; cost, \$2,500 each; owner and builder, Thos. Haslaur, 220 Monitor St.

Milford St., w s, 110' n Glenmore Ave., 2 two-sty frame dwells., tin roofs; cost, \$1,800 each; owner, S. W. Stoothoff, Eastern Parkway, near Montauk Ave.; architect, L. F. Schilling, 581 Liberty Pl.

De Kalb Ave., s s, 250' e Irving Ave., two-sty frame dwell., tin roof; cost, \$3,800; owner, Conrad Reuter, 1459 De Kalb Ave.; architect, H. E. Fink, 280 Knickerbocker Ave.

Park Pl., s s, 137' 29' w Attica Ave., 2 two-sty frame dwells., tin roofs; cost, \$1,800 each; owner, T. A. Upton, 489 Hooper St.; architect, Chas. In-fanger, Van Sclen and Atlantic Aves.

Fifty-third St., s s, 240' e Second Ave., 2 two-sty frame dwells., tin roofs; cost, \$1,800 each; owner, W. C. Van Duzer, 199 Fifty-seventh St.



## (Houses Continued.)

**Stockholm St., s. s. 150' w Central Ave., 2 three-sty frame dwells., tin roofs; cost, \$6,500 each; owner, S. Jacoby, 16 Beaver St.; architect, Frank Holmberg, 1169 Broadway.**  
**Montauk Ave., w. s. 95' n Eastern Parkway, 5 two-sty frame dwells., tin roofs; cost, \$10,000; owners, E. Sutterlein and L. Feldmann; architect, Chas. Infanger, Van Sielen and Atlantic Aves.**  
**Monitor St., w. s. 123' n Van Pelt Ave., 2 two-sty frame dwells., felt and tar roofs; cost, \$1,600 each; owner, Martin Rourke, 85 Monitor St.**  
**Garfield Pl., n. s. 175' 99' w Fifth Ave., 2 three-sty brick dwells., tin roofs; cost, \$4,000 each; owner and builder, A. G. Calder, Jr., 420 Eighth St.; architect, W. H. Calder, 371 Sixth Ave.**  
**Schaffer St., n. s. 100' e Evergreen Ave., 4 two-sty frame dwells., tin roofs; cost, \$3,000 each; owner, Chas. F. Gastinger, 1172 Jefferson Ave.**  
**Camden, N. J.—Seventh St., bet. Elm and Birch Sts., 12 dwells.; contractors, D. Lennon Moore & Co.**  
**Chicago, Ill.—E. E. Kilmar, two-sty dwell., 5735 Indiana Ave.; cost, \$12,000.**  
**P. J. McDonough, two-sty dwell., 7460 Bond Ave.; cost, \$5,000.**  
**S. M. Moore, three-sty dwell., 5530-5532 Madison Ave.; cost, \$7,000.**  
**B. B. Cumming, two-sty dwell., 6737-5739 Lexington Ave.; cost, \$3,000.**  
**Dr. Colby, two-sty dwell., 550 Jackson Boulevard; cost, \$7,000.**  
**Garner Bros., 2 two-sty dwells., 1040-1042 Fifty-fourth St.; cost, \$7,000.**  
**F. C. Heath, 3 two-sty dwells., 2816 Indiana Ave.; cost, \$8,000.**  
**Cincinnati, Ohio.—Brick and stone dwell., slate roof; cost, \$10,000; owner, P. C. Butler; architect, W. W. Franklin, Fifth and Race Sts.**  
**Clarksboro, N. J.—A new parsonage will be built.**  
**Cramer Hill, N. J.—Church St., 2 dwells.; contractor, W. I. May.**  
**Detroit, Mich.—W. C. Claxton, two-sty brick double dwells., 647-49 Fourth Ave.; cost, \$5,000.**  
**J. H. McDaniel, 2 frame dwells., 1361-1363 Eighteenth St.; cost, \$7,000.**  
**A. C. Varney & Co., two-sty brick dwell., 116 Watson St.; cost, \$7,000; also two-sty double brick dwell., 118-20 Watson St.; cost, \$13,000; also two-sty double brick dwell., 549-57 Brush St.; cost, \$8,000; also frame dwell., 423 Trumbull Ave.; cost, \$3,000.**  
**Herman Turski, two-sty brick dwell., 67 Frederick St.; cost, \$9,000.**  
**Nicholson & Boden, two-sty brick dwell., 549 Trumbull Ave.; cost, \$5,000.**

## (Houses Continued.)

**Parsons Co., 5 two-sty frame dwells., 64, 70, 76, 82, 100 Guilford St.; cost, \$6,000.**  
**Geo. Everson, two-sty brick dwell.; 129 Ferry Ave.; cost, \$9,000.**  
**A. C. Varney & Co., three-sty brick double dwell., 60-62 West Elizabeth St.; cost, \$12,000.**  
**Vinton & Co., three-sty brick dwell., 107 Charlotte Ave.; cost, \$6,000.**  
**J. T. Currie, two-sty frame dwell., 42 Boulevard; cost, \$4,000.**  
**A. L. Lewis, frame dwell., 387 Cadillac Ave.; cost, \$3,200.**  
**Several brick and stone dwells., slate roofs; cost, \$20,000; owner, Henry W. Holcomb, 277 Merriek Ave.; architect, Peter E. Redmond, 43 Reed Pl.**  
**Germantown, Pa.—Phelena St., n. w cor. Pelham Road, 2 two-and-one-half-sty brick dwells.; contractors, Wendell & Smith.**  
**Haddonfield, N. J.—On the West Haddonfield Tract, J. Roden will build a house.**  
**Westmont and Redmon Aves., dwell.; cost, \$7,000; owner, Frank Davis; architect, C. Remington.**  
**Mt. Moriah Station, Pa.—Elmwood Ave. and Sixty-third St., several two and three-sty brick and stone dwells.; owner, E. T. Tobin; architects, Moses & King, 431 Walnut St., Philadelphia.**  
**Newark, N. J.—James St., three-sty brick dwell.; cost, \$8,000; owner, Charles H. McCann; architect, Charles P. Baldwin, Prudential Building.**  
**New York, N. Y.—Coleman Pl., n. s. 125' e Ogden Ave., three-sty stone and frame dwell., mansard shingle roof; cost, \$3,850; owner, John F. Kaiser, 520 East Eighty-ninth St.; architect, E. C. Childs, 62 New St.**  
**Webster Ave., s. s. 173' n One Hundred and Seventy-fourth St., three-sty stone and frame dwell., tin roof; cost, \$4,000; owner, Patrick Keeley, One Hundred and Thirty-third St. and Railroad Ave.; architect, J. J. Vreeland, 711 Tremont Ave.**  
**Seventy-fifth St., s. s. 120' e Fifth Ave., five-sty brick dwell., mansard, copper and slate roof; cost, \$28,000; owner, Henry R. Hoyt, 8 West Tenth St.; architect, Richard H. Hunt, 1 Madison Ave.**  
**Park Ave., w. s. 40' 54' s Sixty-sixth St., three-sty brick dwell., tin roof; cost, \$12,000; owner, Thomas J. McLaughlin, 10 West Eighty-second St.; architects, Thom & Wilson, 1267 Broadway.**  
**Briggs Ave., s. s. 245' n Southern Boulevard, three-sty brick and frame dwell.; cost, \$3,000; owner, Lizette Wallace, Webster Ave. and Bedford Park; architect, E. K. Bourne, 18 Broadway.**  
**Tuilton Ave., w. s. 160' n One Hundred and Sixty-first St., three-sty brick and frame dwell., tin roof; cost, \$4,000; owner, Herman F. Harns, 3421 Third Ave.; architect, Adolph Pfeiffer, 3068 Third Ave.**

## (Houses Continued.)

**Grenada Pl., s. s. 118' w Ernelliff Pl., three-sty brick and frame dwell., shingle roof; cost, \$3,000; owner, Maria G. Del Galze, St. George Crescent Bedford Park; architect, Edgar K. Bourne, 18 Broadway.**  
**Mott Ave., s. w cor. One Hundred and Sixty-third St., three-sty brick and frame dwell., tin roof; cost, \$8,000; owner, Mary Hopkins, Mott Ave. and One Hundred and Thirty-eighth St.; architect, M. E. Pringle, William's Bridge.**  
**St. Nicholas Ave., s. w cor. One Hundred and Fifty-first St., 4 three-sty brick dwells., mansard, slate and tin roofs; cost, \$100,000; owner, Fred Schuck, 18 St. Nicholas Pl.; architect, Frank Wennernien, 204 East Eightieth St.**  
**Monroe Ave., w. s. 400' n Columbine Ave., 3 three-sty brick and frame dwells., shingle roofs; cost, \$3,000; owner, Thomas Welsh, Arthur Ave. and One Hundred and Eightieth St.; architects, Kerby & Co., 72 Tremont Ave.**  
**Cambrelling Ave., e. s. 105' n King's Bridge Road, three-sty brick and frame dwell., tin roof; cost, \$3,000; owner, Sophia Guggolz, 1305 Bathgate Ave.; architect, Wm. Guggolz, 2305 Bathgate Ave.**  
**Forest Ave., e. s. 100' s One Hundred and Sixty-seventh St., 3 three-sty brick and frame dwells., tin roofs; cost, \$19,000; owner and architect, John W. Decker, 841 First Ave.**  
**East One Hundred and Twenty-second St., No. 437, five-sty brick dwell., tin roof; cost, \$23,000; owner, Jacob Bloom, 596 Broadway; architect, John C. Burne, 101 West Forty-second St.**  
**One Hundred and Forty-eighth St., cor. Convent Ave., 6 brick, brownstone and limestone dwells.; cost, \$84,000; owner, Annie C. Doyle, 206 West Ninety-sixth St.; architects, A. B. Ogden & Son, 1031 Madison Ave.**  
**Seventy-fifth St., e Fifth Ave., five-sty brick and limestone dwell.; cost, \$28,000; owner, Henry R. Hoyt; architect, R. M. Hart, Metropolitan Life Insurance Building, Twenty-third St. and Madison Ave.**  
**Overbrook, Pa.—Sixty-third St., s Lancaster St., 2 three-sty dwells.; contractor, John H. Myers.**  
**Pawtucket, R. I.—Lake St., two-and-one-half-sty frame dwell.; owner, Owen Finley.**  
**Smith St., cor. Lincoln Ave., two-and-one-half-sty frame dwell.; owner, Martin Darwin.**  
**Baldwin St., cor. Hope St., three-sty frame dwell.; owners, Jas. Bain and wife.**  
**North Bend St., cor. Saunders St., two-and-one-half-sty frame dwell.; owner Horace Wells.**  
**Jefferson Ave., two-and-one-half-sty frame dwell.; owner, P. F. McCarthy; architect, Albert H. Humes.**

(Continued on page 4.)

[See Alphabetical Index on page XV for Pagination.]

## Classified Advertisements.

[Advertisers can be indexed only under a single head free of charge.]

## Air Valves.

Hodge Bros., Boston, Mass.  
**Antimoulin.**  
W. H. Schieffelin & Co., New York, N. Y. (cow)  
**Annunciators.**  
W. R. Osterman & Co., New York.  
**Architects.**  
Bailey & Truett, Philadelphia, Pa. (mon)  
**Architect's Materials.**  
Front & Adams, Boston.  
**Architectural Sheet-Metal Ornamental Works.**  
W. H. Mullins, Salem, O.  
**Artificial Stone.**  
Winn Payment Co., New York, N. Y. (cow)  
**Asbestos Felt & Boiler Coverings.**  
H. W. Johns Mfg Co., New York  
**Asbestos Felts.**  
H. F. Watson Co., Erie, Pa.  
**Asbestos Paint.**  
H. W. Johns Mfg Co., New York.  
**Asphalt.**  
Neuchatel Asphalt Co., New York.  
New York Mastic Works, New York, N. Y.  
**Asphalt Roofing.**  
Garven Chemical & Mfg Co., New York.  
**Bain Cocks.**  
Stebbins Mfg. Co., Brighton, Mass. (cow)  
**Bath-Tub.**  
Fred. F. Blochhoff & Co., Chicago, Ill. (mon)  
Miller & Coates, New York.  
J. L. Mott Iron Works, New York.  
**Bells.**  
Blake Bell Co., Boston, Mass.  
U. S. Tubular Bell Co.  
**Blue Prints.**  
Spaulding & Moss, Boston, Mass. (cow)  
**Boilers.**  
Babcock & Wilcox Co., New York.  
Handolph & Clowes, Watertown, Conn.  
**Books and Journals.**  
Babcock & Wilcox Co., New York.  
Century Co., New York, N. Y.  
Wm. T. Comstock, New York.  
Hessling & Spielmeier, New York, N. Y.  
Tucknor & Co., Boston.  
**Brass Goods.**  
J. B. Shannon & Sons, Philadelphia. (mon)  
**Brick Ashlar.**  
Pike, Homes & Co., Boston.  
**Brick (Colored).**  
Jarden Brick Co., Philadelphia, Pa.  
**Brick (Ornamental).**  
Fleming Cement & Brick Co., New York. (cow)  
W. H. Gates, Boston, Mass. (cow)  
Hydraulic Press Brick Co., St. Louis.  
Peckless Brick Co., Philadelphia, Pa.  
Waldo Bros., Boston.  
**Bronze-work.**  
H. J. Power, New York.  
**Bronze and Brass Work.**  
Paul K. Cabaret, New York, N. Y.  
**Building Felt (Fire and Waterproof).**  
H. W. Johns Mfg Co., New York.  
**Building Papers.**  
H. F. Watson Co., Erie, Pa.  
**Ceilings (Metal).**  
New York Metal Ceiling Co., New York, N. Y.  
H. S. Northrop, New York, N. Y.  
The Kinnear & Gager Co., Columbus, O. (cow)  
**Cement (Hydraulic).**  
F. O. Norton Cement Co., N. Y.  
**Cement.**  
Allen's Cement Works, New York, N. Y. (cow)  
Brooks, Shoenberger & Co., New York.  
Fleming Cement & Brick Co., New York. (cow)  
Johnson & Wilson, New York.  
Lawrence Cement Co., New York, N. Y.  
E. Thiele, New York, N. Y.  
**Chrome Steel Castings.**  
Chrome Steel Works, Brooklyn, N. Y. (cow)  
**Clay Shingles.**  
Clay Shingle Co., Indianapolis, Ind.  
**Conductors (Waterproof).**  
W. Austin Oddy & Co., Philadelphia.  
Boston Spiral Tube Works, Boston.  
Soderberg Standing-Seam Conductor Co., Allegheny, Pa.

## Conservatories. Lord &amp; Burnham Co.

Conservatory, New York, N. Y.  
**Consulting Engineer.**  
George Hill, New York, N. Y.  
**Contracting.**  
Trib Building & Construction Co., Palmer, Mass.  
**Cordage.**  
Samson Cordage Works, Boston. (cow)  
**Coverings.**  
S. Cabot, Boston, Mass.  
H. W. Johns Mfg Co., New York, N. Y.  
**Decorators.**  
L. Haberstroh & Son, Boston.  
Donald McDonald, Boston.  
**Door Hangers.**  
Lane Bros., Longhempie, N. Y.  
**Door-Knobs.**  
J. Bardsley, New York, N. Y.  
**Drawing Ink.**  
Chas. M. Higgins, Brooklyn, N. Y.  
**Drawing Instruments.**  
Theo. Altender & Sons, Philadelphia, Pa. (cow)  
**Elevators, etc.**  
Trans Elevator Co., Chicago, Ill.  
Graves Elevator Co., Rochester, N. Y.  
Volney W. Mason & Co., Providence, R. I.  
Moore & Wiman, Boston.  
Wills & Williams & Co., Philadelphia.  
Otis Brothers & Co., New York.  
Springfield Foundry Co., Springfield, Mass.  
Standard Elevator Co., Chicago, Ill.  
**Fireproof Lathing.**  
Whittier Machine Co., Boston.  
**Fireproof Construction.**  
Guastavino Fireproof Construction Co., N. Y.  
**Fireproofing.**  
Hayes Metallic Lathing, New York.  
**Floors (Hardwood).**  
The Interior Hardwood Co., Indianapolis, Ind.  
Wood Monies Co., Rochester, N. Y. (cow)  
**Floors (Inlaid).**  
National Wood Mfg Co., N. Y.  
**Gas-Machines.**  
Tirrell Gas-Machine Co., New York.  
**Gates.**  
Wm. E. Pitt, New York, N. Y. (mon)  
**Glass (Flat).**  
S. A. Smith, New York, N. Y. (mon)  
**Glass (Stained and Ornamental).**  
Mallard Armstrong & Co., New York.  
Matthews Decorative Glass Co., New York.  
Tiffany Glass & Decorating Co., New York.  
**Grates, etc.**  
J. S. Conover & Co., New York.  
E. A. Jackson & Bro., New York, N. Y.  
Wm. H. Jackson & Co., New York.  
**Hard Oil Finish.**  
Berry Bros., Detroit, Mich.  
**Hardware.**  
Burrell & Williams, Boston, Mass.  
**Hardware (Art).**  
Yale & Towne Mfg. Co., Stamford, Ct.  
**Harness Brackets.**  
J. E. Read, Boston.  
**Heating and Ventilating.**  
Smith & Anthony Stove Co., Boston.  
**Heating Apparatus (Steam).**  
Gorton & Lidgerwood Co., New York. (cow)  
N. Y. Central Iron Works Co., Geneva, N. Y.  
Page Steam-heating Co., Norwich, Conn.  
Richardson & Boynton Co., New York, N. Y.  
H. B. Smith Co., New York.  
**Heliotype Process.**  
Heliotype Printing Co., Boston.  
**Hinges (Spring).**  
Van Wagoner & Williams Co., Cleveland, Ohio.  
**Hot-Blast Apparatus.**  
Huyett & Smith Mfg. Co., Detroit, Mich.  
B. F. Sturtevant Co., Boston, Mass.

## Hot-Water Heating.

Thorn Shingle and Ornament Co., Phila., Pa.  
Gurney Hot-Water Heater Co., Boston, Mass.  
**Insulated Wire.**  
W. R. Briley, New York, N. Y. (cow)  
The Oakville Co. (Ltd.) New York, N. Y. (cow)  
**Insurance.**  
Continental Insurance Co., N. Y. (cow)  
Insurance Co. of North America, Phila.  
Cooper, Jewett & Co., New York.  
**Iron-Work (Architectural).**  
Belmont Iron Works, Philadelphia, Pa. (cow)  
Columbia Iron & Steel Co., Uniontown, Pa.  
Cooper, Jewett & Co., New York.  
Jackson Architectural Iron Works, N. Y.  
Passaic Rolling Mill Co., Paterson, N. J.  
Phoenix Iron Co., Philadelphia.  
Pittsburgh Architectural Iron Works, Pittsburgh, Pa.  
**Iron (Galvanized).**  
Anolis Iron & Steel Co., Pittsburgh, Pa.  
**Joist Hanger.**  
Duplex Hanger Co., Cleveland, O.  
**Laundry Machinery.**  
Oakley & Keating, New York.  
Troy Laundry Machinery Co., Troy.  
**Lighting Protection.**  
American Lightning Protection Co.  
**Link-Belting.**  
Link-Belt Engineering Co., Philadelphia, Pa.  
**Mail Chutes.**  
Cutler Manuf. Co., Rochester, N. Y.  
**Mantels.**  
Fennelly Slate Co., New York.  
**Marble Monuments.**  
Aeschlimann & Fellner, New York.  
**Marble Workers.**  
Batterton, See & Elsie, New York.  
Robert Fisher & Co., New York.  
**Metal Lathing.**  
G. Hayes, New York.  
**Metal Works.**  
J. W. R. Smith, New York.  
**Metal-Work (Wrought).**  
Paul E. Cabaret, New York.  
**Mineral Wool.**  
H. S. Mineral Wool Co., New York.  
**Mortar Colors.**  
Samuel H. Frenson & Co., Philadelphia.  
**Oil Finish.**  
Berry Bros., Detroit, Mich. (cow)  
**Paint.**  
F. W. Devos & Co., New York. (cow)  
Joseph Dixon Crucible Co., Jersey City, N. J.  
Harrison Bros. & Co., Philadelphia, Pa.  
H. W. Johns Mfg Co., New York.  
**Patent Lawyers.**  
Hawson & Hawson, Philadelphia. (cow)  
**Perspectice Machine.**  
Shaw & Johnson, Tampa, Fla.  
**Photography.**  
W. W. York, Chicago, Ill.  
**Photographic Outfits.**  
E. & H. F. Anthony & Co., New York, N. Y.  
**Pumpers.**  
Pumpers (Steam).  
H. R. Werthington New York and Boston  
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J. C. Shepard & Co., Philadelphia, Pa.  
**Refrigerators.**  
Wickel Refrigerator Co., New York, N. Y.  
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J. G. Wilson, New York.  
**Roofers.**  
Berger Bros., Philadelphia, Pa.  
John Farquhar's Sons, Boston.  
James A. Miller & Bro., Chicago, Ill.  
**Roofing Materials.**  
Wickel Roofing Co., Philadelphia, Pa.  
Merchant & Co., Philadelphia, Pa. (cow)  
James B. Scott & Co., Pittsburgh, Pa.  
N. & G. Taylor Co., Philadelphia, Pa. (cow)

## N. E. Felt Roofing Works Boston.

Thorn Shingle and Ornament Co., Phila., Pa.  
**Roofing Tiles.**  
Baltimore Roofing Tile Co., Baltimore, Md.  
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**Sanitary Supplies.**  
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Smith & Anthony Co., Boston.  
**Sash-Chains.**  
Smith & Egan Mfg Co., Bridgeport, Conn.  
**Sash Balance.**  
Fullman Sash Balance Co.  
Ther. R. Chester, N. Y.  
**Sash-Cord.**  
Samson Cordage Works, Boston. (cow)  
**School of Architecture.**  
C. Powell Kart, New York, N. Y. (cow)  
**Sheet-Metal Work.**  
J. S. Thorn, Philadelphia. (cow)  
**Shingles (Metal).**  
E. Van Noorden & Co., Boston.  
**Shingle-Stains.**  
S. Cabot, Boston.  
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**Shutters.**  
Clark, Bonnet & Co., New York.  
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T. H. Brooks & Co., Cleveland, Ohio. (mon)  
**Sinks.**  
Kilbourne & Jacobs Mfg. Co., Columbus, O.  
**Splights, etc.**  
G. Brinknoup, New York.  
E. Van Noorden, Boston.  
Vail & Young, Baltimore, Md.  
**State.**  
Brownville Maine Slate Co., Worcester, Mass.  
Fennelly Slate Co., New York.  
**Stable Fittings.**  
J. J. Road, Boston. (mon)  
**Steam Pipe Covering.**  
Kendry & Mattison Co., Ambler, Pa.  
**Steel Lath (Central Expanded) Metal Co.**  
Pittsburgh, Pa. (cow)  
**Stone (Building).**  
Thos. S. Clarkson, Pottsdam, N. Y.  
J. P. Falt & Co., Springfield, Mass.  
Pottsdam Red Sandstone Co., Pottsdam, N. Y.  
G. P. Sherwood, New York.  
**Terra-Cotta.**  
Indianapolis Terra-Cotta Co., Brighton, Ind.  
New York Architectural Terra-Cotta Co., N. Y.  
Perth Amboy Terra-Cotta Co.  
The Northwestern Terra-Cotta Co., Chicago, Ill.  
**Terra-Cotta Lumber.**  
Pittsburgh Terra-Cotta Lumber Co., Pittsburgh, Pa.  
**Traps.**  
E. Cudell, Cleveland, O. (cow)  
Detroit Sanitary Supply Co.  
**Trap-Vent.**  
Dunbar Mfg. Co., New York. (cow)  
**Valves and Packing.**  
Jenkins Bros., New York.  
**Varnish.**  
Murphy & Co., Newark, N. J.  
James Van Vleet, Philadelphia, Pa.  
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Dauchy & Co., Chicago.  
**Vault Threshold.**  
G. S. Clark, Philadelphia, Pa. (quar.)  
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Globe Ventilating Co., Troy, N. Y.  
E. Van Noorden, Boston.  
**Wall Tie.**  
J. B. Prescott & Son, Webster, Mass. (cow)  
**Water-Closet.**  
Fred Adee & Co., New York, N. Y. (cow)  
**Window-Line.**  
Wickel Steel Line.  
Samson Cordage Works, Boston. (cow)  
**Window-Screens.**  
Metallic Window-Screen Manuf. Co., Boston.  
**Wire Lathing, etc.**  
Clinton Wire Cloth Co., Clinton, Mass.  
New Jersey Wire Cloth Co., Trenton, N. J.  
**Wood Carvings.**  
E. B. Moore & Co., Chicago, Ill. (cow)  
**Wood Filler.**  
Bridgeport Wood Finishing Co., New Milford, Conn.

# ALSEN'S PORTLAND CEMENT

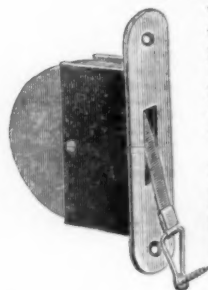
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Harrook St., w Winghooking St., 2 two-sty dwell.; contractor, Wm. Holloway, 3027 Balderson St.  
Hawcock St., n w Washington Lane, 4 two-sty dwell.; owners, C. R. Kohl & Bros., 45 West Johnson St., Germantown.  
Frankford Ave., s Arrott St., three-sty dwell.; contractor, W. S. Roberts, 4921 Franklin St.  
Georges St., w Fourth St., three-sty dwell.; contractor, Jos. F. Keifer, 511 West Girard Ave.  
Sedgley St., n Montgomery Ave., 3 two-sty dwell.; contractor, H. S. Warfield, 1807 North Twenty-second St.  
Oxford St., e Thirty-second St., 12 three-sty dwell.; owners, Pemberton & Co., Thirty-second St. and Columbia Ave.  
McKean St., w Eleventh St., two-sty dwell.; contractor, Wm. Smith, 1821 South Fifth St.  
Nineteenth St., n Tioga St., 6 two-sty brick dwell.; contractor, J. C. Miller.  
**Pittsburgh, Pa.**—Irwin Ave., 3 brick dwell.; architects, Longfellow, Allen & Harlowe.  
Frankstown Ave., 6 dwell.; architect, W. H. Sims.  
Schuylk View, dwell.; owner, Mrs. Margaret Warnock.  
Fifth Ave., dwell.; owner, H. J. Watkins.  
Several dwell. will be built by F. G. Stiren and also a number by D. L. Dillinger.  
**Providence, R. I.**—Angell St., n s n Taber Ave., two-and-one-half-sty frame dwell.; cost, \$4,500; owner, Oliver H. J. Perry.  
Melroe St., s e cor. Pacific St., two-and-one-half-sty frame dwell.; cost, \$5,000; owner, Almene I. Kern; architect, E. I. Nickerson; builder, Joseph A. Wells.  
Felix St., w s, n Chalkstone Ave., two-and-one-half-sty frame dwell.; owner, H. F. Horton; day-work.  
**Seabright, N. J.**—Dwell.; cost, \$7,000; owner, Annie M. Victor; contractor, Wm. M. Pearsall.  
**Sewickley, Pa.**—Dwell. will be built by Mrs. Frederick Fleming and Edward O'Neil.  
**Swedesboro, N. J.**—Dwell.; owner, Miss Kate Gaskill.  
**Singletown, Pa.**—Dwell. will be built by Martin Kaylor.  
**Somerville, Mass.**—Central St., cor. Albion St., frame dwell.; owner, E. N. Everett; builder, George E. Hutchinson.  
Kenwood St., frame dwell.; owner and builder, Harry E. Gould.  
Broadway, frame dwell.; owner and builder, Harry E. Gould.  
Porter St., frame dwell.; owner and builder, W. L. Glidden.  
**St. Louis, Mo.**—Two-sty dwell., e s Arlington St.,



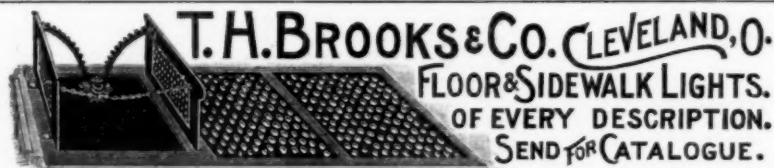
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**Uniontown, Pa.**—Brick dwell.; owner, Frank Fuller.  
**Wilkinsburg, Pa.**—Dwell.; architect, A. E. Linkenhelmer, Pittsburgh, Pa.  
**Worcester, Mass.**—Ingleside Ave., one-and-one-half-sty frame dwell.; owner, Bruno Trombly; contractor, J. A. Courteneanche.  
Endicott St., three-sty frame dwell.; owner, Jeremiah Hennessy; contractor, Geo. C. Reidy.  
Randall St., one-and-one-half-sty frame dwell.; owner, William Filbrook; contractor, E. B. Rogers.  
Columbus St., two-sty frame dwell.; owner, Isa May Smith; day-work.  
**Philadelphia, Pa.**—Fifteenth St., seven-sty office-building; cost, \$125,000; Civil Engineer Zeigler is in charge of the work.  
**Providence, R. I.**—Page St., cor. Weybosset St., brick office-building; cost, \$22,000; contractor, L. A. Tillinghast.

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A WEEKLY JOURNAL OF CONSTRUCTIVE AND DECORATIVE ART.

VOL. XLII. — No. 928.]

SATURDAY, OCTOBER 7, 1893.

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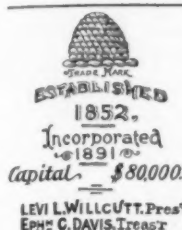
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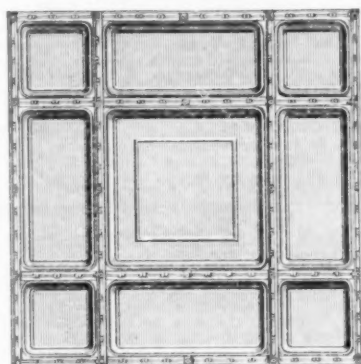
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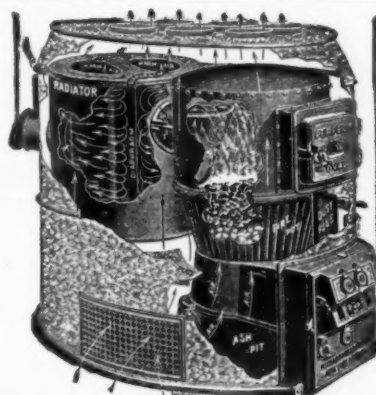
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Walnut, black.....

Whitewood.....

Yellow pine..... P. M.....

New York.

(Wholesale Prices.)

65.00 @ 75.00

55.00 @ 60.00

18.00 @ 22.00

25.00 @ 25.00

14.00 @ 14.00

20.00 @ 40.00

20.00 @ 40.00

20.00 @ 40.00

20.00 @ 40.00

20.00 @ 40.00

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20.00 @ 40.00

20.00 @ 40.00

Boston.

(Prices to Builders and Contractors.)

55.00 @ 70.00

42.00 @ 50.00

35.00 @ 40.00

14.50 @ 25.00

13.00 @ 15.00

25.00 @ 35.00

31.00 @ 40.00

38.00 @ 60.00

23.00 @ 38.00

15.50 @ 18.00

13.00 @ 15.00

22.00 @ 35.00

2.25 @ 2.50

2.35 @ 3.00

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2.25 @ 2.50

2.35 @ 3.00

2.25 @ 2.50

2.35 @ 3.00

2.25 @ 2.50

Chicago.

(Prices to Builders and Contractors.)

42.00 @ 50.00

27.00 @ 38.00

14.00 @ 20.00

Not sold.

12.00 @ 12.00

21.00 @ 34.00

18.00 @ 34.00

19.00 @ 24.00

Not sold.

12.00 @ 17.50

Not sold.

10.00 @ 13.00

24.00 @ 34.00

2.25 @ 2.50

Not sold.

2.65 @ 2.65

Not sold.

2.60 @ 3.15

Not sold.

6.00 @ 7.50

Not sold.

2.60 @ 2.75

3.50 @ 4.00

2.60 @ 2.75

3.50 @ 4.00

2.60 @ 2.75

3.50 @ 4.00

2.60 @ 2.75

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2.60 @ 2.75

3.50 @ 4.00

2.60 @ 2.75

3.50 @ 4.00

Philadelphia.

(Prices to Builders and Contractors.)

48.00 @ 55.00

40.00 @ 45.00

30.00 @ 35.00

16.00 @ 20.00

11.25 @ 13.50

14.00 @ 29.00

14.00 @ 35.00

14.00 @ 25.00

Not sold.

25.00 @ 37.30

16.00 @ 18.00

13.00 @ 17.00

22.00 @ 28.00

2.75 @ 3.00

2.30 @ 3.00

2.75 @ 3.00

2.30 @ 3.00

2.75 @ 3.00

2.30 @ 3.00

2.75 @ 3.00

2.30 @ 3.00

2.75 @ 3.00

2.30 @ 3.00

2.75 @ 3.00

2.30 @ 3.00

2.75 @ 3.00

2.30 @ 3.00

2.75 @



| BRICK.—P. M.                         |                | (Wholesale Prices.) |                  | (Prices to Builders and Contractors.) |                        |
|--------------------------------------|----------------|---------------------|------------------|---------------------------------------|------------------------|
| Common: Cargy above.                 |                | 2 00 @ 2 25         | Eastern }        | Building Brick                        | In Yard.               |
| Pale.....                            | 3 75 @ 4 25    | 9 00 @ 10 00 }      |                  | 5 00                                  | Sq. Hard..... 9 00     |
| Jersey.....                          | @              |                     |                  |                                       | Salmon..... 7 00       |
| Long Island.....                     |                |                     |                  |                                       | "..... 5 00            |
| Up River.....                        | 4 00 @ 5 00    |                     |                  |                                       | Sq. "..... 9 00        |
| Haverstraw Bay 2d.....               | 4 50 @ 4 75    | Domestic Com.       | Indiana Pressed  | Light Stretchers                      |                        |
| " 1st.....                           | 5 00 @ 5 25    | 9 50 @ 10 00        | 14 00 @ 20 00    | "..... 10 00                          |                        |
| Hollow.....                          | @ 13 00        | Domestic Face       | St. Louis Fronts | Medium "..... 12 00                   |                        |
| Fronts:                              |                | 20 00 @ 22 00       | @ 27 00          |                                       |                        |
| Croton, Brown.....                   | 9 00 @ 12 00   | Philadelphia )      |                  | Red "..... 13 00                      |                        |
| " dark.....                          | 10 00 @ 13 00  | 40 00 @ 45 00 )     |                  | Dark "..... 13 00                     |                        |
| " red.....                           | 10 00 @ 13 00  | Phila. mould )      |                  | Pressed..... 13 00                    |                        |
| Chicago pressed (Anderson).....      |                | 50 00 @ 80 00 }     |                  | 15 00 @ 20 00                         |                        |
| " Moulded.....                       |                |                     |                  | 65 00 @ 80 00                         |                        |
| Baltimore.....                       | 37 00 @ 41 00  |                     |                  | @ 55 00                               | 15 00 @ 20 00          |
| Philadelphia.....                    | 23 00 @ 24 00  |                     |                  | 45 00 @ 50 00                         | Best Paving..... 14 00 |
| Trenton.....                         | @ 19 00        |                     |                  | 45 00 @                               | Second "..... 13 00    |
| Milwaukee.....                       |                |                     |                  | 25 00 @                               | Third "..... 12 00     |
| Moulded:                             |                |                     |                  | 60 00 @ 100 00                        |                        |
| Glens Falls Red Pressed.....         | @ 37 00        |                     |                  | 30 @                                  |                        |
| " " Buff.....                        | @ 30 00        |                     |                  | 35 @                                  |                        |
| " " Moulded Red & Buff               | 45 00 @ 70 00  |                     |                  | 55 00 @ 65 00                         |                        |
| Enamelled: Imp.                      |                |                     |                  | @ 100 00                              |                        |
| Enamelled (edge).....                | 85 00 @ 100 00 |                     |                  | @ 120 00                              |                        |
| Enamelled (edge and end).....        | 90 00 @ 115 00 |                     |                  |                                       |                        |
| CEMENT, LIME, etc.—(P. cash.)        |                |                     |                  |                                       |                        |
| Roadside Cement.....                 | 95 @ 1 10      | 1 15 @ 1 25         | Not sold.        |                                       | 1 30 @ 1 50            |
| Louisville.....                      |                | Brooks, S. & Co.    | 1 05 @ 1 15      |                                       | BS&Co 2 75 @ 3 00      |
| Utica, Akron, Buffalo, Milw'kee.     | Not sold.      | 2 40 @ 2 75         | 1 00 @ 1 10      |                                       | 2 85 @ 3 25            |
| Portland, English (Gibbs).....       | 2 25 @ 2 50    | 2 40 @ 2 75         | 3 00 @ 3 10      |                                       | 2 85 @ 3 15            |
| " (K. B. & S.).....                  | 2 50 @ 3 00    | 2 40 @ 2 75         | 3 00 @ 3 25      |                                       | 2 75 @ 3 00            |
| " " Black Cross.....                 | 2 25 @ 2 50    | 2 40 @ 2 75         | 3 00 @ 3 25      |                                       | 2 85 @ 3 15            |
| " " (Burnham).....                   | 2 50 @ 2 50    | 2 40 @ 2 75         | 2 90 @ 3 15      |                                       | 2 75 @ 2 85            |
| " " (White's).....                   | 2 65 @ 3 00    | 2 40 @ 2 75         | 3 00 @ 3 25      |                                       |                        |
| " " French (Lafarge).....            | 3 50 @ 3 75    | @ 5 00              | 3 75 @ 4 25      |                                       |                        |
| " " German (Alsen).....              | 2 90 @ 3 25    | 3 00 @ 3 50         | @ 3 20           |                                       |                        |
| " " (Fewer).....                     | 2 25 @ 2 40    | Cleopatra.....      | 3 20 @ 3 40      |                                       |                        |
| " " (Vorwiler).....                  | 2 50 @ 2 90    | 2 40 @ 2 75         | 2 75 @ 3 00      |                                       |                        |
| " " (Lagerhofer).....                |                | 3 00 @ 3 50         | 3 25 @ 3 50      |                                       |                        |
| " " (Dyckerhoff).....                | 2 60 @ 2 90    | Condor 2 50 @ 2 75  | Not sold.        |                                       |                        |
| " " (Hanover).....                   | 2 50 @ 3 00    | 2 15 @ 2 50         | Not sold.        |                                       |                        |
| " " Stettin (Anchor).....            | 2 35 @ 2 85    | @ 3 50              | 2 60 @ 2 70      |                                       |                        |
| " " American (Saylor's).....         | 2 15 @ 2 25    | @ 6 00              | 2 75 @ 3 25      |                                       |                        |
| Roman.....                           | 2 75 @ 3 00    | 7 00 @ 9 00         | 6 00 @ 7 00      |                                       |                        |
| Keene's coarse.....                  | 4 50 @ 5 30    |                     | 9 00 @ 10 50     |                                       |                        |
| " " superfine.....                   | 5 00 @ 5 50    |                     |                  |                                       |                        |
| Lime:                                |                |                     |                  |                                       |                        |
| Lime of Tell.....                    | 3 50 @ 4 00    | @ 1 35              | Not sold.        |                                       |                        |
| Hydraulic Lime.....                  | @ 1 45         | St. John 1 00       | 60 @ 70          |                                       |                        |
| Chicago Lime in bulk.....            |                |                     | 60 @             |                                       |                        |
| Wisconsin Lime.....                  |                | @ 1 05              | Not sold.        |                                       |                        |
| Rockland and Rockport, (Com.).....   | @ 95           | @ 1 10              | Not sold.        |                                       |                        |
| Rockland and Rockport, (Finsh.)..... | @ 1 10         | @ 1 20              | 1 00 bulk, 75c.  |                                       |                        |
| Kelley Island Lime, finsh.....       | @              | Not sold.           | Not sold.        |                                       |                        |
| State, com. cargo rates (nom.).....  | 80 @ 85        | Not sold.           | Not sold.        |                                       |                        |
| State, finshing.....                 | 1 05 @ 1 10    | 1 85 @ 2 00         | 1 85 @ 1 90      |                                       |                        |
| Plaster of Paris (calcined).....     | 1 40 @ 1 50    | @ 2 25              | 1 85 @ 1 90      |                                       |                        |
| " (casting).....                     | @ 1 60         | 25 @ 30             | 16 @ 20          |                                       |                        |
| Hair (Cattle) P bush.....            | 16 @ 18        | @ 30                | 30 @ 35          |                                       |                        |
| " (Goat).....                        | 18 @ 21        | 1 75 @ 1 90         | @ 60             |                                       |                        |

## OKONITE INSULATED ELECTRIC LIGHT WIRES.



WILLARD L. CANDEE, }  
H. DURANT CHEEVER, } Managers.  
GEO. T. MANSON, Gen'l Supt.

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AWARDED A GOLD MEDAL AT THE PARIS EXPOSITION.

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THE OKONITE COMPANY, L'T'D,  
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The MOST Durable of all Varnishes. :: ::  
Effective Varnish for House Finishing.

Highest Award Master Painters' National Association.  
The Favorite Varnish of the N.Y. City Master Pollahers

THE WATTS DeGOLYER CO.,

No. 311 Amsterdam Ave., NEW YORK.

CHICAGO, ILL.

**ROCK FINISH**

## BUILDING MATERIALS.

New York.

Boston.

Chicago.

Philadelphia.

## Foundation:

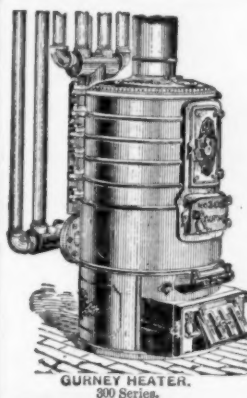
Wholesale Prices.

(Prices to Builders and Contractors.

|                                                  |                |                |               |                       |
|--------------------------------------------------|----------------|----------------|---------------|-----------------------|
| Dimension.....                                   | 5 00           | 5 00           | 20            | 5 00                  |
| Block.....                                       | 4 60           | 4 60           | 15            | 4 60                  |
| Rubble.....                                      | 1 25           | 1 25           | 8 50          | 1 45                  |
| Blue stone: P sq. ft.)                           |                |                |               |                       |
| Sidewalk.....                                    | 30 @ 5 00      | 40 @ 1 75      | 75 @ 1 00     | 1 in. th. 10 @ 25     |
| Planed.....                                      | 50 @ 6 00      | 75 @ 75        | 50 @ 1 00     | 37 @ 50               |
| Sandstone:                                       |                |                |               |                       |
| Longmeadow.....                                  | 80 @ 80        | 80 @ 90        |               | 95 @ 1 05             |
| Kibbe.....                                       | 90 @ 90        | 90 @ 1 10      |               | 1 05 @ 1 25           |
| Brown (Connecticut).....                         | 1 00 @ 1 00    | 1 25 @ 1 45    | 1 50 @ 1 50   | 85 @ 95               |
| Amherst Ohio.....                                | 90 @ 95        | 90 @ 1 00      | 45 @ 50       | 55 @ 65               |
| Berea.....                                       | 75 @ 1 00      | 85 @ 90        | 45 @ 55       | 85 @ 95               |
| Berlin.....                                      | 75 @ 1 00      | 80 @ 90        | 55 @ 65       | 1 00 @ 1 10           |
| Belleville.....                                  | 80 @ 1 25      | 1 25 @ 1 35    | 1 25 @ 1 25   | 1 05 @ 1 15           |
| New Brunswick (Dorchester).....                  | 80 @ 1 00      | 75 @ 90        |               | 1 25 @ 1 35           |
| Caen.....                                        |                | 2 00           |               | 95 @ 1 05             |
| Carlisle, English.....                           | 1 05           | 1 05           |               | 95 @ 1 05             |
| Corse Hill (Scotch).....                         | 1 05           | 1 05           |               | 95 @ 1 05             |
| Marble: (P cu. ft.)                              |                |                |               |                       |
| Leo, Mass.....                                   |                | 1 75 @ 2 50    | Not Sold.     | 2 00 @ 2 50           |
| Rutland, white and blue.....                     |                | 3 00           | 3 50 @ 6 00   | 2 00 @ 3 00           |
| Sutherland Falls.....                            | 1 25 @ 1 75    | 2 00           | 3 50 @ 6 00   | 1 70 @ 3 00           |
| Glens Falls, black.....                          |                |                | Not Sold.     | 4 00 @ 4 50           |
| Italian, blue-veined.....                        |                |                | 4 40          | 2 50 @ 2 75           |
| " Sienna.....                                    |                |                | 4 40          | 5 00                  |
| Tennessee, red.....                              |                |                | 4 40          | 4 00 @ 6 00           |
| " Knoxville.....                                 |                |                | 4 40          | 3 00 @ 4 00           |
| Pennsylvania, blue.....                          |                |                | Not Sold.     | 2 00 @ 3 00           |
| Vermont, white.....                              |                |                | 3 50 @ 6 00   | 2 25 @ 3 00           |
| Slate: Roofing (P square).....                   |                |                |               |                       |
| " green.....                                     | 5 00 @ 6 00    | 4 75 @ 5 25    | 5 50 @ 6 10   | 2 30 @ 3 00           |
| " unfading.....                                  | 5 00 @ 6 00    | 5 50 @ 6 50    | 6 50 @ 7 10   | 3 25 @ 3 75           |
| " purple.....                                    | 5 00 @ 6 00    | 5 50 @ 6 50    | 6 50 @ 7 10   | 3 50 @ 4 50           |
| " red.....                                       | 10 00 @ 11 00  | 10 00 @ 11 00  | 12 00 @ 14 00 | 50 @ 10 25            |
| " black, Lehigh.....                             | 4 25 @ 4 75    |                | 6 25 @ 6 85   | 25 @ 4 00             |
| " Chapmans.....                                  |                |                | 7 30 @ 8 00   | 00 @ 4 65             |
| " Unfading black, Monson, Me.....                | 5 50 @ 8 00    | 5 50 @ 8 00    | 6 00 @ 9 00   | 5 50 @ 8 00           |
| Tiles, Am. M.....                                |                |                | Not Sold.     | 6 00 @ 6 75           |
| N. Peach Bottom, warranted unfading.....         |                |                |               |                       |
| PAINTS. (In Oil P lb.)                           |                |                |               |                       |
| White lead, Am.....                              | 7 @ 7 1/2      | 6 1/2 @ 7      | 7 @ 7 1/2     | 7 @ 7 1/2             |
| " zinc.....                                      | 5 @ 5 1/2      | 6 @ 6 1/2      | 6 1/2 @ 7     | 6 1/2 @ 7             |
| Red lead, Am.....                                | 6 1/2 @ 7      | 6 1/2 @ 7      | 6 1/2 @ 7     | 6 1/2 @ 7             |
| " Venetian.....                                  | 6 1/2 @ 7      | 6 1/2 @ 7      | 6 1/2 @ 7     | 6 1/2 @ 7             |
| " Vermillion.....                                | 6 1/2 @ 7      | 6 1/2 @ 7      | 6 1/2 @ 7     | 6 1/2 @ 7             |
| " Indian, Eng.....                               | 12 @ 20        | 12 @ 20        | 12 @ 20       | 12 @ 20               |
| Yellow Ochre.....                                | 6 @ 15         | 7 @ 12         | 3 @ 15        | 3 @ 15                |
| " Chrome.....                                    | 12 @ 20        | 18 @ 25        | 15 @ 25       | 15 @ 25               |
| Green (chrome).....                              | 8 @ 13         | 8 @ 20         | 8 @ 20        | 8 @ 20                |
| Green, Paris.....                                | 25 @ 40        | 25 @ 40        | 18 @ 35       | 18 @ 35               |
| Black, lamp.....                                 | 15 @ 25        | 15 @ 25        | 8 @ 30        | 8 @ 30                |
| Blue, ultramarine.....                           | 12 @ 18        | 18 @ 30        | 12 @ 35       | 10 @ 24               |
| Oil, linseed, (raw).....                         | 55 @ 62        | 41 @ 42        | 57 @ 63       | 60 @ 63               |
| " boiled.....                                    | 58 @ 65        | 44 @ 45        | 60 @ 63       | 63 @ 63               |
| Turpentine.....                                  | 36 @ 37        | 1 50 @ 6 00    | 1 25 @ 4 00   | 1 25 @ 4 00           |
| Varnish, coach.....                              |                | 2 50 @ 3 00    | 2 25 @ 4 00   | 1 50 @ 3 00           |
| Shellac.....                                     |                | 2 @ 4          | 2 @ 2 1/2     | 2 @ 2 1/2             |
| Putty.....                                       | 75 @ 1 00      | 1 @ 1 1/2      | 1 @ 1 1/2     | 1 @ 1 1/2             |
| Whiting.....                                     | 1 30 @ 2 00    | 2 @ 3          | 1 @ 2         | 1 @ 2                 |
| Paris white, (Eng).....                          | 5 1/2 @ 6      | 6 1/2 @ 7      | 6 1/2 @ 7     | 6 1/2 @ 7             |
| Litharge, Am.....                                | 14 @ 20        | 14 @ 20        | 4 @ 16        | 4 @ 16                |
| Sienna (burnt).....                              | 14 @ 20        | 14 @ 20        | 2 @ 10        | 2 @ 10                |
| Umber.....                                       |                |                |               |                       |
| HARDWARE.                                        |                |                |               |                       |
| Nails: (Per Cask.) Spikes, (sprung).....         | 2 85           | 2 20           | 2 35 @ 3 50   | per keg @ 2 25        |
| 10d. common.....                                 | 2 60           | 2 20           | 2 35 @ 3 50   | 2 30                  |
| Shingle.....                                     | 3 35           | 2 65           | 2 35 @ 3 50   | 2 60                  |
| Lath.....                                        | 4 85           | 3 20           | 2 35 @ 3 50   | 3 60 @ 4 75           |
| (Finishing nails according to size).....         |                |                | 2 35 @ 3 50   | per lb 4 @ 6          |
| (For casing nails add 75 c. per keg).....        |                |                | 2 35 @ 3 50   | Add per cask          |
| Butts: 4" x 4".....(P doz. pairs).....           |                |                | 2 35 @ 3 50   | 2 90 (all kinds)..... |
| Plain.....                                       | 1 00           | 1 20           | Not Sold.     | 1 35 @ 2 00           |
| Japanned.....                                    | 1 50           | 1 75           | 2 00 @ 3 75   | 1 35 @ 2 75           |
| Acorn, Japanned.....                             | 1 50           | 1 90           | Not Sold.     | 48 @ 50               |
| Ball Tip, Boston Finish.....(P pair).....        | 65             | 50             | 2 00 @ 3 25   | 1 25                  |
| Bronze metal.....                                | 1 90           | plain 1 65     | 2 00 @ 3 25   | 1 00                  |
| Brass (for cupboards).....                       | 10             | 10             | 12            | 1 00                  |
| Ebony.....                                       |                |                |               | 37 @ 1 35             |
| Apple wood.....                                  |                |                |               |                       |
| Knobs: (P set).....                              |                |                |               |                       |
| Mineral, best.....                               | 8              | 8              | 8 @ 10        | 8                     |
| Lava.....                                        | 50             | 75             | 31 @ 40       | 25 @ 50               |
| Hemacite.....                                    | Not Sold.      | 17 @ 35        | 25 @ 30       | 25                    |
| Porcelain.....                                   | 30             | 50             | Not Sold.     | 1 00 @ 2 50           |
| Glass, solid.....                                | Not Sold.      | 88 @ 1 00      | 50 @ 3 00     | 1 75 @ 2 00           |
| Glass, silvered.....                             | 75 @ 2 00      | 50 @ 3 00      | 50 @ 3 00     | 50 @ 3 50             |
| Bronze metal.....                                | 1 00 @ 2 50    | 50 @ 3 00      | 1 00 @ 3 00   | 75 @ 1 25             |
| Brass.....                                       |                |                | 14 @ 16       | 13 1/2 @ 16           |
| Solder:                                          |                |                |               |                       |
| Sheet Lead.....                                  |                | 7 1/2          | 5 1/2 @ 6     | 6 @ 6                 |
| Lead Pipe.....                                   |                | 6 1/2          |               |                       |
| Iron:                                            |                |                |               |                       |
| 1-Beams, up to and including 30 ft.....          | 3 3-10 @ 3 1/2 | 3 3-10 @ 3 1/2 | 2 50 @ 2 75   | 2 8-10 @ 2 8-10       |
| do. over 30 ft., 1/2 c. adv. for every 5 ft..... | 3 3-10 @ 3 1/2 | 3 3-10 @ 3 1/2 | 50 @ 2 75     | 2 8-10 @ 2 8-10       |
| Channel Beams.....                               |                |                |               |                       |

## FLUCTUATIONS.

New York, N. Y. — Market generally inactive with no changes in prices.



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WANT  
THE  
BEST.  
ASK  
FOR

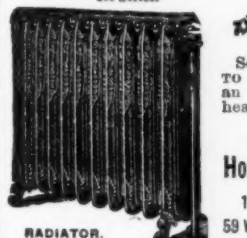
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HEATERS**

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TO HEAT OUR HOMES,"  
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Suitable for  
Residences, Offices, Hospitals & Churches  
Can be applied over old plaster  
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Give Measurements  
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PATENT  
METALLIC ROOFING,**

Tiles and Spring-lock Shingles.  
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building trade. Indorsed  
by all the leading archi-  
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cheapest, and best light known  
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Get circular & estimate. A liberal  
discount to churches & the trade.  
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Shall it be Your House or  
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ELEVATED BOILER, Plain or Hot Air, Right or Left Hand, with or without Hot Closets. Just the thing for Flats and Small Houses.

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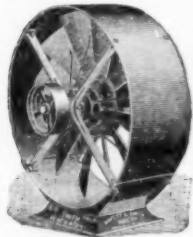
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**VENTILATING FANS**

For Schools, Theatres, Churches, Factories and Stores.

Manufactured with or without direct attached Engines or Electric Motors.

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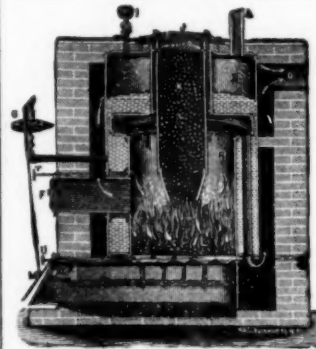
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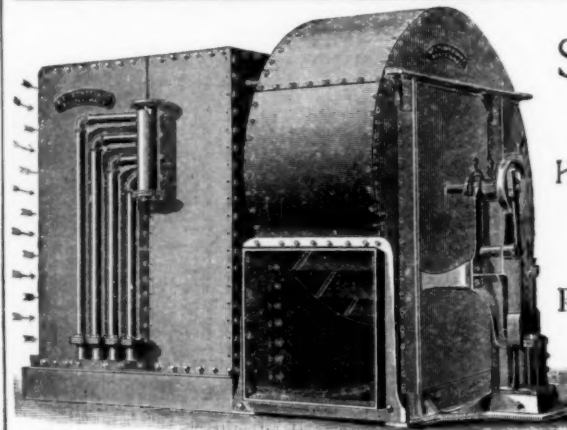
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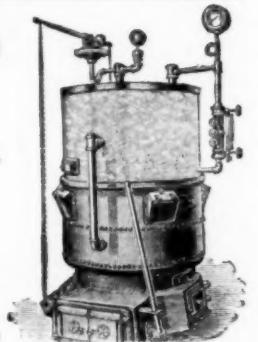
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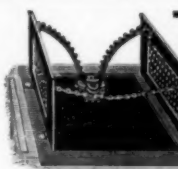


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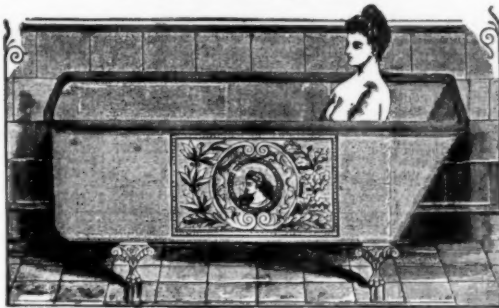
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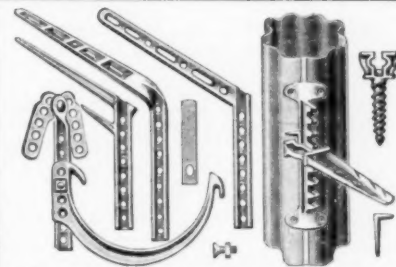
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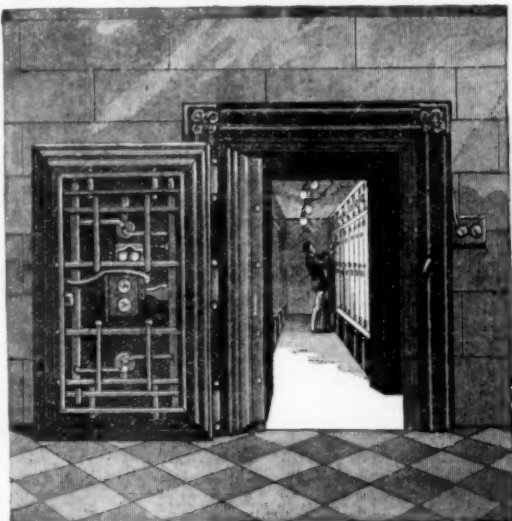
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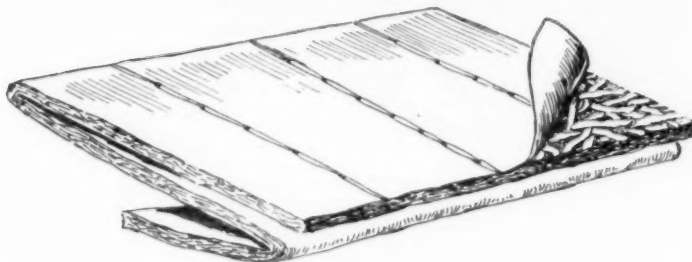
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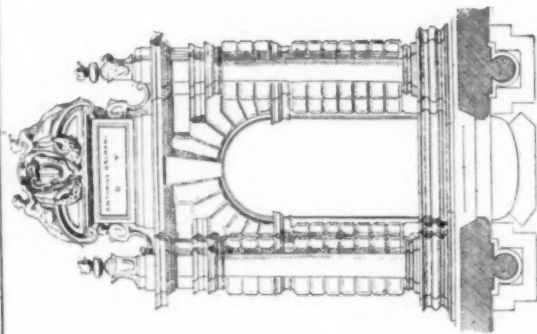
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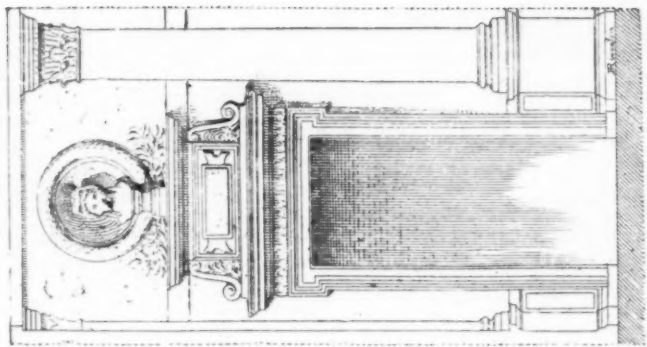
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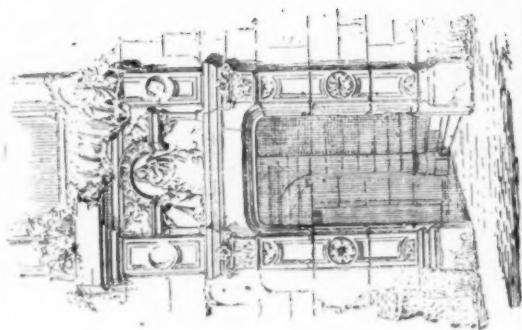




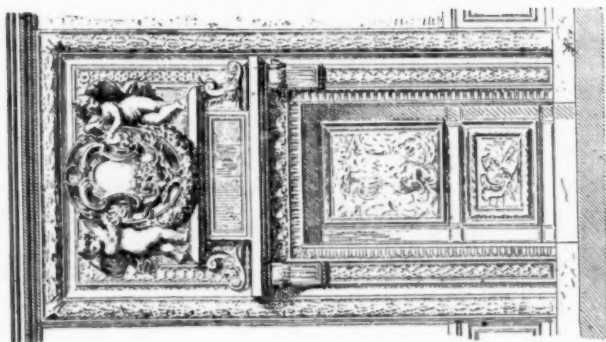
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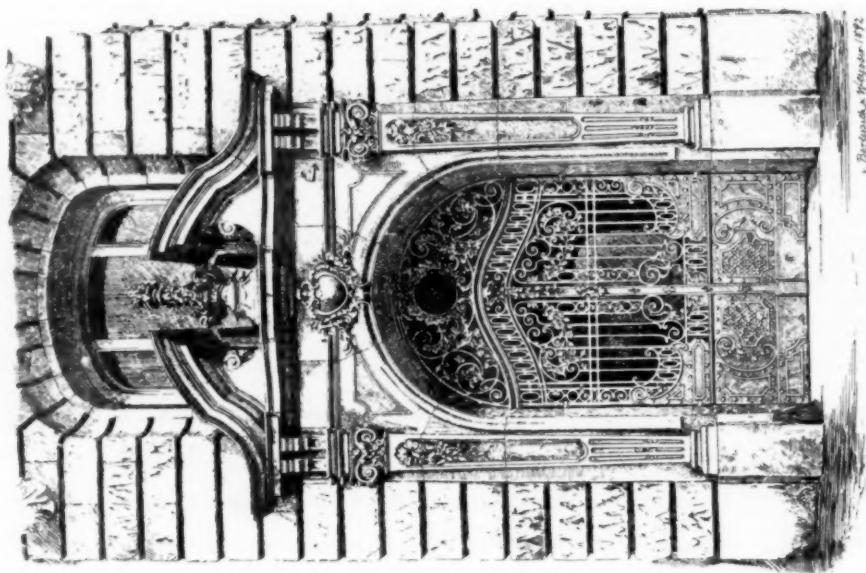
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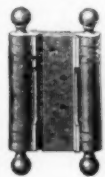
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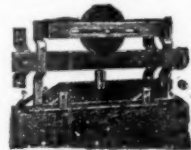
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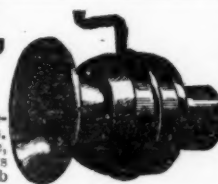
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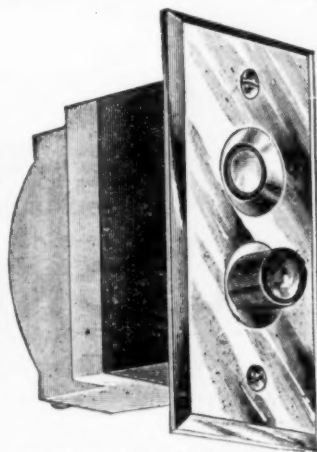
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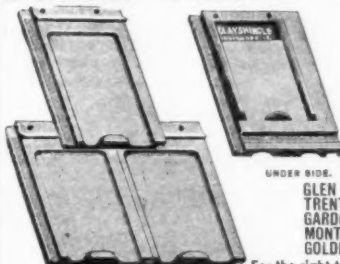


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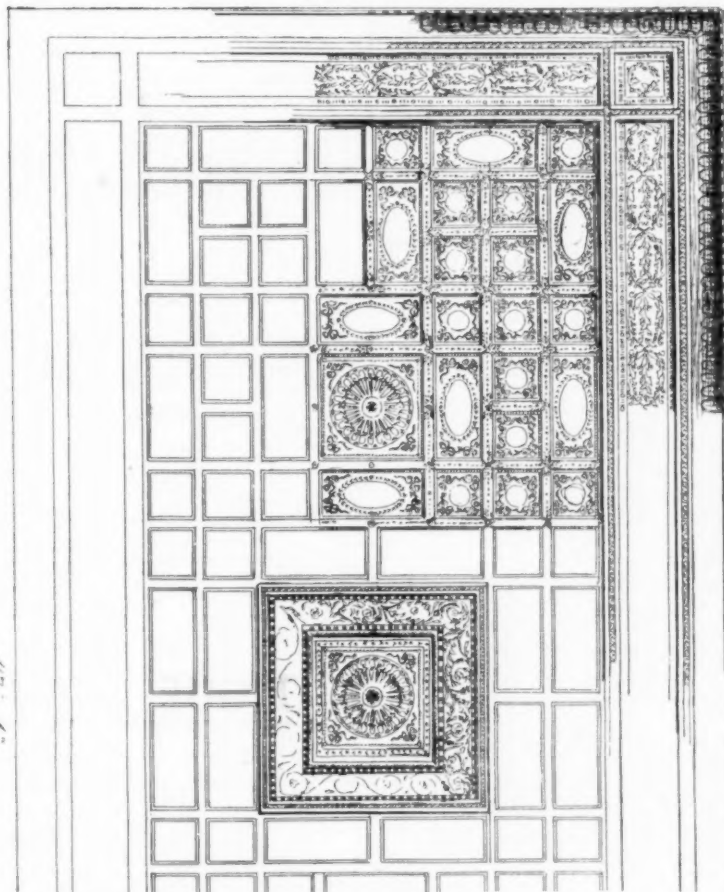
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Brooklyn, N. Y. — Bergen St., s s, 375' w Classon Ave., four-sty brick dwell., gravel roof; cost, \$7,500; owner, Mr. Smith; architect and builder, Karl Peters, 254 Saratoga Ave.

Himrod St., n s, 110' w St. Nicholas Ave., 2 three-sty frame dwells., tin roofs; total cost, \$7,500; owner and builder, H. Steubing, 375 Himrod St.; architects, D. Acker & Son, 752 Broadway.

Willoughby Ave., s s, 318' w e Sumner Ave., 3 two-sty brick dwells., tin roofs; cost, \$4,000 each; owners, John Bosh & Co., 636 Flushing Ave.; architect, Th. Engelhardt, 905 Broadway.

Vermont Ave., w s, 240' n Sutter Ave., 3 two-sty brick dwells., tin roofs; cost, \$2,500 each; owner and architect, Fred. Eiermann, 139 Elton St.; builder, John Feusch, Barbey St., near Liberty Ave.

Newell St., e s, 175' s Norman Ave., three-sty frame dwell., gravel roof; cost, \$4,500; owner, Mrs. Mary Kiernan, Jewell St.

Sackman St., w s, 130' n Liberty Ave., 3 two-sty frame dwells., tin roofs; cost, \$2,300 each; owner, Alanson Post, 138 Decatur St.; builder, R. Sweet, 111 Chaucey St.

Hooper St., e s, 48' n South Third St., three-sty brick dwell., tin roof; cost, \$4,000; owner, Mrs. J. Burgraf, 377 South Fourth St.; architect, B. Finkensieper, 93 Broadway.

Chicago, Ill. — John Naughten, two-sty dwell., 1657 Monroe St.; cost, \$6,000.

J. Mendelson, two-sty dwell., 717 Pine Grove Ave.; cost, \$7,000.

George L. Peterson, two-sty dwell., 563-565 Pine Grove Ave.; cost, \$10,000.

George Kuhr, two-sty dwell., 7410-7412 Schell Ave.; cost, \$3,300.

N. Mayer, three-sty dwell., 413 Forty-second St.; cost, \$6,000.

Charleston, W. Va. — Three-sty stone and brick dwell.; owner, J. T. Crouch; architect, L. O. Wilson.



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## BUILDING INTELLIGENCE.

(Houses Continued.)

Stone dwell.; owner, Geo. Gates; architect, Geo. Henneman.  
**Chestnut Hill, Pa.**—Graves Lane, house; owner, E. F. Hoffmann.  
**Germantown, Pa.**—West Walnut Lane, dwell.; owner, Dr. Norton Downes; contractor, Caldwell.  
Mehl St., near Main St., 22 two-st'y brick dwell.; contractors, Wright & Prentzel.  
Germantown Ave., s s, n Abington St., 2 two-st'y brick dwell.; contractor, Joseph Hollenstien.  
West Washington Lane, dwell.; owner, E. H. Hance; contractor, Mr. Gruhler.  
**Lincoln, Mass.**—Frame dwell., 30' x 30'; owner, Mrs. S. N. Sawins; builders, J. E. Giddings & Son; architect, J. F. Eaton, Boston.  
Frame dwell., 36' x 54'; old colonial style; also stable; owner, F. R. Jones; builders, J. E. Giddings & Son; architect, J. F. Eaton, Boston.  
**Mt. Airy, Pa.**—Mt. Pleasant Ave., six dwells.; owner, Barton Gemml.  
**Newtonville, Mass.**—Dwell. and stable; owner, Mrs. A. J. Silverton, New York.  
**New York, N. Y.**—Stebbins Ave., e s, 130' n Freeman St., three-st'y brick and frame dwell., tin roof; cost, \$3,000; owner, Karl Pekarek, 1378 First Ave.; architect, Arthur Boehmer, 722 East One Hundred and Seventy-seventh St.  
Welleley St., n s, 75' e Kirkside Ave., three-st'y stone and frame dwell., shingle roof; cost, \$3,500; owner, Timothy Kelly, 716 East One Hundred and Seventy-sixth St.; architect, Charles S. Clark, 719 East One Hundred and Seventy-seventh St.  
Nathalie Ave., e s, 530' n Kingsbridge Road, three-st'y stone and frame dwell., shingle roof; cost, \$4,000; owner, R. W. Richardson, 246 West One Hundred and Twenty-fifth St.; architect, Paul F. Higgs, 839 Broadway.  
Morris Ave., e s, 586' bet. One Hundred and Fiftieth and One Hundred and Fifty-first St., three-st'y stone and frame dwell., tin roof; cost, \$4,200; owner, James Savage, 206 Seventh St.; architect, Wm. Grant, 215 Bowery.  
Prospect Ave., e s, 67' n One Hundred and Sixty-fifth St., three-st'y brick and frame dwell., tin roof; cost, \$3,500; owner, Joseph Lieberts, 1020 Prospect Ave.; architects, F. J. Miller & Co., 727 East One Hundred and Sixty-third St.  
**Philadelphia, Pa.**—Emlen St., n w Franklin St., three-st'y brick and stone dwell.; contractors, Wendell & Smith.  
Several houses on the Carpenter Estate; contractors, Wendell & Smith.  
**Pittsburgh, Pa.**—Forbes St., frame and stone dwell.; contractors, Cochran & Davis.  
Webster Ave., brick dwell.; contractor, Andrew McGregan.  
Iny St., frame dwell.; contractor, R. Henderson.  
Fifth Ave., brick dwell.; contractor, E. House, Jr.  
Reed St., 2 brick dwell.; Sixth St., brick dwell.; contractors, Demaret & Crawford.  
Wingham St., brick dwell.; contractor, W. J. Weed.  
Aurelia St., frame dwell.; contractor, Joseph Beagley.  
**Providence, R. I.**—Arthur Ave., w s, near Federal St., two-and-one-half-st'y frame dwell.; cost, \$3,500; owner, Mary A. Corrigan; builder, Bradford A. Mason.

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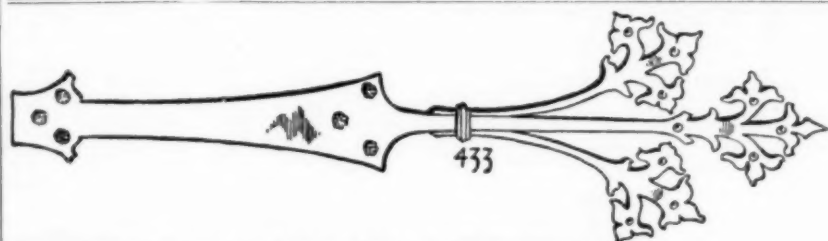
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## BUILDING INTELLIGENCE.

(Houses Continued.)

Preston St., s e cor. Governor St., two-and-one-half-st'y frame dwell.; cost, \$3,500; owner, Thomas F. McHugh; builder, James McGeegan.  
**St. Louis, Mo.**—Three-st'y brick dwell., s s Washington St., bet. Vandeventer and Sarah Sts.; cost, \$9,000; owners, Dorr & Diener; contract to be let.  
Two-and-one-half-st'y brick dwell., n s Pine St., bet. Sarah and Boyle Aves.; cost, \$10,000; owner, Fannie B. Ritter; contractor, Otis Bredien.  
Two two-st'y brick dwells., w s Bayard St., bet. Page and Easton Aves.; cost, \$5,000; owner and contractor, Jos. Delay.  
Two two-st'y brick dwells., n s Evans St., bet. Sarah and Vandeventer Aves.; cost, \$5,000; owner and contractor, Hy. Delay.  
**Trenton, N. J.**—Delaware River, bet. Morrisville and Yardley; owner, Levi Hannum, Trenton, N. J.  
**Washington, D. C.**—Sixteenth St., No. 1528, n w, dwell.; owner, Mrs. H. B. James; architect, William J. Palmer, Warder Building, Ninth and F Sts.  
H St., No. 1515, n w, dwell.; architects, Hornblower & Marshall.  
**Wayne, Pa.**—Three-st'y frame and stone parochial dwell.; owner, Rev. Father Hand; architect, Edwin F. Durang, Twelfth and Chestnut Sts., Philadelphia.  
**Wurtsboro, N. Y.**—Several buildings will be built on the grounds of the Sullivan Co. Club; architects, Dehli & Chamberlin, 874 Broadway, New York.

## OFFICE-BUILDINGS.

**St. Louis, Mo.**—Seven-st'y brick and iron office-building, s s Pine St., bet. Seventh and Eighth Sts.; cost, \$110,000; owner, A. N. Dehumil; contractors, Givan & Steinhoff.

## SCHOOL-HOUSES.

**New York, N. Y.**—Eighty-second St., n e cor. West End Ave., five-st'y brick school, slate and tin roof; cost, \$180,000; owner, City of New York; architect, C. B. J. Snyder, 146 Grand St.  
St. Nicholas Ave., s w cor. One Hundred and Seventeenth St., five-st'y brick school, slate and tin roof; cost, \$225,000; owner, City of New York; architect, C. B. J. Snyder, 146 Grand St.  
**Renovo, Pa.**—Stone, brick and timber school-house; architects, Wagner & Reitmeyer.

## BUILDING INTELLIGENCE.

(School-Houses Continued.)

**St. Mary's, W. Va.**—School-house; M. Hort, Secretary of Board of Education can give information.  
**STABLES.**  
**Boston, Mass.**—Fuller St., No. 55, rear, Ward 24, frame stable, 20' x 22'; owner, F. E. Leight; builder, C. Pfister.  
**Lincoln, Mass.**—Frame stable, 30' x 42'; owner, F. R. Jones; builders, J. E. Giddings & Son; architect, J. F. Eaton, Boston.  
**New York, N. Y.**—West Fourth St., No. 138, five-st'y brick stable, gravel roof; cost, \$25,000; owner, Mrs. Sophia E. Murtha, 5 University Pl.; architect, W. H. W. Youngs, 45 Broadway.  
One Hundred and Seventh St., w s, 174' 11" e Boulevard, two-st'y brick stable, tin roof; cost, \$7,000; owner, John Everett, One Hundred and Ninth St., bet. Amsterdam Ave. and Boulevard; architect, John Rau, One Hundred and Ninth St. and Boulevard.  
**Philadelphia, Pa.**—Wissahickon Ave., near Queen Lane, stable for Mr. Freed.  
Hancock St., w s, s McKean St., 2 two-st'y brick stables; contractor, Alexander Cowan.  
Thirty-fifth St., e s, n Haverford St., three-st'y brick stable; owner, John W. DeLong.  
**STORES.**  
**Brooklyn, N. Y.**—Van Pelt Ave., n s, 150' w Humboldt St., 11 four-st'y frame stores and dwells, tar gravel roofs; cost, \$4,500 each; owner and builder, Chas. Engert, Humboldt St. and Van Pelt Ave.; architect, F. J. Berlenbach, Jr., 260 Graham Ave.  
Bedford Ave., e s, 60' n Lafayette Ave., 3 one-st'y brick stores, gravel roofs; cost, \$4,000; owner, Geo. R. Haydock, 690 Gates Ave.; architect and builder, Henry J. Brown, 1534 Fulton St.  
Bushwick Ave., s w cor. Pilling St., 4 three-st'y frame stores and dwells, tin roofs; total cost, \$17,000; owner and builder, Phillip Steingotter, 1354 Bushwick Ave.; architect, Th. Engelhardt, 905 Broadway.  
Snediker Ave., s w cor. Belmont Ave., three-st'y frame store and dwell., tin roof; cost, \$5,500; owner, Simon Scharen, 205 Snediker Ave.; architect, Chas. Infanger, Van Sicklen and Fulton Aves.  
Knickerbocker Ave., s e cor. Ralph Ave., 4 three-st'y frame stores and dwells, tin roofs; cost, \$3,000 each; owner, Frank Wilson, 1129 Madison St.

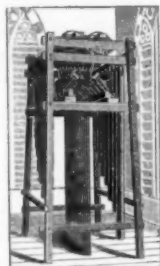
**FRINK'S REFLECTORS** have been adopted by D. H. Burnham, Director of Works, World's Columbian Exposition, Jackson Park, Chicago, Illinois, for lighting the Fine Arts Building, and the Woman's Building; also by Messrs. Shepley, Rutan & Coolidge, Architects, for the Art Institute, Chicago, Illinois, and by Messrs. Fuller & Wheeler, Architects, for the Convention Hall, Saratoga Springs, New York.

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Cheaper in Price }  
Than the ordinary bell  
Catalogue with full description.  
U. S. Tubular Bell Co.,  
Methuen, Mass.

#### BUILDING INTELLIGENCE.

(Stores Continued.)

Knickerbocker Ave., n w cor. Grove St., three-sty frame store and dwell., tin roof; cost, about \$7,000; owner, Mrs. Mary E. Jones, Cold Spring, L. I.; architect, Wm. Field, 275 Irving Ave.

Chicago, Ill.—August Nose, two-sty store and dwell., 3156 Westworth Ave.; cost, \$3,000.

C. T. Jenks, three-sty store and flats, 1824 Armour Ave.; cost, \$8,000.

Frank Younger, four-sty store and flats, 264 Nineteenth St.; cost, \$8,500.

N. Meister, 2 four-sty stores and flats, 34 Christiana Ave.; cost, \$3,000.

Germantown, Pa.—Mehl St., near Main St., store; contractors, Wright & Partzell.

Philadelphia, Pa.—Second St., e s, McKean St., 3 two-sty brick stores and dwells.; contractor, Alexander Cowan.

#### TENEMENT-HOUSES.

Boston, Mass.—Chamber St. Extension, near Burton St., Ward 5, four-sty brick tenement, flat roof, 28' x 34.5'; owner, Miss K. H. Holden.

#### THEATRES.

Baltimore, Md.—Lexington St., n s, cor. Kimmel Alley, brick and terra-cotta theatre; architect, George C. Haskell; builders, William Ferguson & Bro., Baltimore, Md.

#### MISCELLANEOUS.

Chester, Pa.—Library soon to be built, information given by Miss Laura Hard.

Chicago, Ill.—The Matthew Lafin Memorial, three-sty museum, Lincoln Park; cost, \$75,000.

The Calumet Club, four-sty club-house, Michigan Ave. and Twentieth St.; cost, \$175,000.

Aug. Weirham, 2 three-sty storage-houses, 1101-1109 Belmont Ave.; cost, \$4,000.

Harrisburg, Pa.—Stone State Library and Executive Building; architect, John T. Windrim, 1107 Walnut St., Philadelphia.

New Orleans, La.—Brick asylum building for the Mt. Carmel Female Orphanage, to cost about \$50,000, will be built.

New York, N. Y.—Columbia St., No. 54, three-sty brick workshop, tin roof; cost, \$4,500; owner, Cornelius Hayes, 79 Varick St.; architects, Horenburger & Straub, 122 Bowery.

East One Hundred and Twenty-fifth St., Nos. 150-164, two-sty brick storage building; cost, \$6,000; owner, Wm. A. Martin, 4 West One Hundred and Twenty-second St.; architect, Andrew Spence, 163

East One Hundred and Twenty-fifth St.

Riverdale Ave., n w cor. Ackerman St., two-sty stone and frame storage building, shingle roof; cost, \$3,000; owner, Isaac M. Dyckman, Kingsbridge Road;

architect, Sam. Berrian, Kingsbridge Road.

First Ave., e s, 25' n Thirty-fifth St., one-sty iron and frame storage shed, tin roof; cost, \$1,100; owner, Hannobett Young, 153 Rodney St., Brooklyn; architect, Charles J. Perry, 797 East One Hundred and Sixty-first St.

Market Slip, Nos. 84-90, Cherry St., Nos. 84-90, Water St., No. 434, seven-sty brick workshop, tin roof; cost, \$50,000; owner, James E. Cusack, 206

President St., Brooklyn; architect, A. Sevastre, 61

East One Hundred and Twenty-fifth St.

Philadelphia, Pa.—The contract to build the

## JAMES A. MILLER & BRO.

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S. CLINTON ST.  
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SLATE  
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FULL OF ICE.

#### BUILDING INTELLIGENCE.

(Miscellaneous Continued.)

Bourse has been given out; contractor, Allen B. Rorke.

Reading Railroad and Fisher's Lane, two-sty drying-house; contractor, Frederick May.

The People's Traction Company will put up a power-house at Race St. and Delaware Ave.

Providence, R. I.—Roger Williams Park, two-sty brick Art Museum; cost, \$40,000; owner, City of Providence; architects, Martin & Hall; builders, Thomas B. Ross & Son.

Seranton, Pa.—The Bonta Plate-glass Company will begin the erection of a building.

St. Louis, Mo.—One-sty passenger station, n s Mulanphy St., bet. First and Second Sts.; cost, \$8,000; owners, St. Louis K. H. Ry.; contractor, A. Bauer.

One-sty brick and stone bank building, e s Fourth St., bet. Pine and Olive Sts.; cost, \$25,000; owners, Essex Realty Co.; contractor, F. S. Green.

Washington, D. C.—Three-sty brick carriage repository; owner, E. D. Porter; architect, E. Woltz, Room 58, Atlantic Building.

#### COMPETITIONS.

#### LIBRARY AND MUSEUM BUILDING.

[At Milwaukee, Wis.]

OFFICE BOARDS OF PUBLIC LIBRARY AND MUSEUM.

MILWAUKEE, WIS., September 7, 1893.

Notice is hereby given by the joint Boards, the Public Library and the Public Museum of the City of Milwaukee, to procure sketch-plans and outline-specifications for the Public Library and Museum building to be erected on block 174, in the Fourth Ward in the City of Milwaukee.

Notice is hereby given that the said joint Boards, the Public Library and Museum, will receive, until the 15th day of November, 1893, at 12 o'clock, noon, all plans and specifications that may be submitted for the erection of said building.

The plans of the building are to conform with the general specifications therefor on file at the office of the Boards of Public Library and Public Museum.

The cost of the building, including plumbing, drainage, gas-fitting, heating-apparatus and fees of the architect and inspector, must not exceed the sum of five hundred thousand dollars, and architects are required to submit plans accordingly.

All plans will be submitted to the joint Boards for selection and approval, and the architect whose plans have been selected and adopted will be employed to furnish the detail and working drawings, and to

#### BUILDING INTELLIGENCE.

(Competitions Continued.)

superintend the erection of the building at the rate of five per cent, as fixed by the joint Boards.

The joint Boards of the Public Library and Public Museum will, pursuant to a resolution adopted on September 7, 1893, purchase the plans and specifications of the second, third, fourth and fifth best plans selected by the said Board from those submitted for the sum of five hundred dollars each.

All other plans and specifications will be returned to the persons presenting the same, and no compensation will be allowed therefor.

All blanks and information furnished on application at the office of the Public Library and Public Museum of the City of Milwaukee.

Signed, MATTHEW KEENAN,

President Public Library Board.

GEORGE W. PECKHAM,

President Public Museum.

AUGUST HANKE,

Chairman, of Building

A. E. SMITH,

Secretary, Committee.

928

#### PROPOSALS.

#### SCHOOL-BUILDING.

[At Milton, Mass.]

Proposals for the erection of the school-building to be erected on Church Street, East Milton, addressed to Mr. J. Merrill Browne, Chairman of the School Board, Milton, Mass., and endorsed "Proposal for the Erection of a School-building in East Milton," will be received at the office of the School Board, Centre School-building, Milton, until 7 P. M. on Friday, October 20, 1893, and at that time will be opened and read.

The prices proposed must be stated both in writing and in figures, and each proposal must be signed by the bidder.

The amount and character of the securities for the fulfilment of the contract will be determined by the Board after the proposals are opened.

The person or persons to whom the contract may be awarded will be required to appear 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.

Specifications and plans may be seen at the School Committee Office, Centre School-building, or at the residence of the Secretary of the Board, Miss E. F. Ware, Adams Street, between the hours of twelve and two o'clock; also at the office of the architect, H. H. Atwood, 53 State Street, from nine to five daily.



(Proposals Continued.)

The Board reserves the right to reject any and all bids, should the Board deem it for the interest of the town of Milton so to do.

J. MERRILL BROWNE,  
Chairman Milton School Board.

928

## CITY-HALL.

[At Paterson, N. J.]

Sealed proposals will be received at this office until noon of Wednesday, October 25, 1893, and then opened, for furnishing materials and doing labor for the proposed City-hall, Paterson, N. J., in accordance with drawings and specifications, copies of which may be seen at the offices of the Commission and at the offices of the architects, Carrère & Hastings, 44 and 46 Broadway, New York City, on and after Monday, October 2, 1893.

Each bid must be accompanied by a certified check to the amount of one per cent of the bid.

The right is reserved to reject any and all bids, and to waive any defect or informality in any bid, should it be deemed in the interest of the municipality so to do.

Should any bidder desire a set of plans and specifications, they will be forwarded by the Secretary on the receipt of \$15.

Proposals must be on form procured either from the City-hall Commission or from the architects, enclosed in sealed envelopes and addressed to the Secretary, and endorsed "Proposals for City-hall, Sub-division No. —, Paterson, N. J."

WALTER BEVERIDGE,

Secretary,

Room 13, Paterson Savings Institution,  
Cor. Main and Market Sts., Paterson, N. J.

929

Treasury Department, Office Supervising Architect, Washington, D. C., October 3, 1893. Sealed proposals will be received at this office until 2 o'clock P. M. on the 25th day of October, 1893, and opened immediately thereafter, for all the labor and materials required for the erection and completion of the electric-light building at the United States Marine Hospital, Portland, Maine, in accordance with the drawings and specification, copies of which may be had at this office or at the office of the surgeon in charge at Portland, Maine. No convict labor nor any product of convict labor will be allowed in the work. Each bid must be accompanied by a certified check for a sum not less than two per cent of the amount of the proposal. The right is reserved to reject any and all bids, and to waive any defect or informality in any bid, if it be deemed in the interest of the Government to do so. All proposals received after the time stated will be returned to the bidders. Proposals must be enclosed in envelopes sealed and marked "Proposal for Electric-light Building at the United States Marine Hospital, Portland, Maine," and addressed to JEREMIAH O'ROURKE, Supervising Architect.

929

Treasury Department, Office Supervising Architect, Washington, D. C., September 30, 1893. Sealed proposals will be received at this office until 2 o'clock P. M. on the 24th day of October, 1893, and opened immediately thereafter, for all the labor and materials required for the joinery-work, wood flooring, marble-work, vault-doors, concrete and cement floors, etc., for the United States Post-office, Court-house, etc., building at Troy, N. Y., in accordance with the drawings and specification, copies of which may be had at this office or the office of the Superintendent at Troy, N. Y. No convict labor nor the product of any convict labor will be allowed in the work. Each bid must be accompanied by a certified check for a sum not less than two per cent of the amount of the proposal. The right is reserved to reject any and all bids, or to waive any defect or informality in any bid, if it be deemed in the interest of the Government to do so. All bids received after the time stated will be returned to the bidders. Proposals must be enclosed in envelopes sealed and marked "Proposal for the Joinery-work, Wood Flooring, etc., for the United States Post-office, Court-house, etc., at Troy, N. Y.," and addressed to JEREMIAH O'ROURKE, Supervising Architect.

929

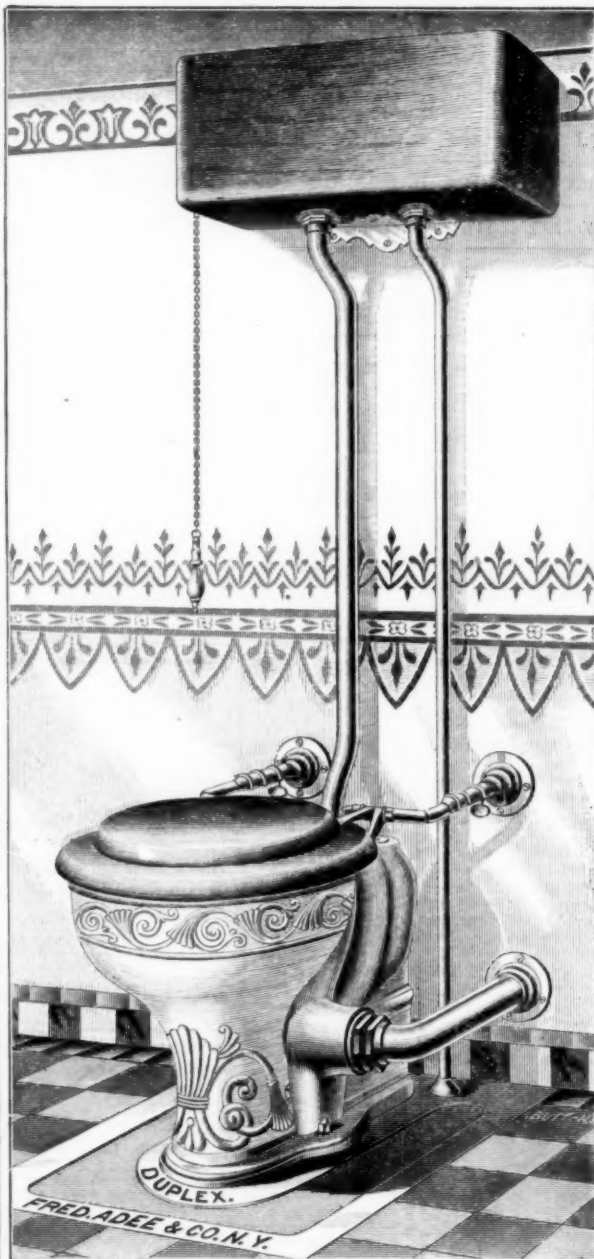
Treasury Department, Office of the Supervising Architect, Washington, D. C., September 23, 1893. Sealed proposals will be received at this office until 2 o'clock P. M. on the 17th day of October, 1893, and opened immediately thereafter, for all the labor and materials required for the cut-stone and brick work, iron-work, wood floor, ceiling and roof construction and roof-covering for the superstructure of the United States Custom-house and Post-office building at St. Albans, Vt., in accordance with the drawings and specification, copies of which may be had at this office or the office of the Superintendent at St. Albans, Vt. No convict labor nor the product of any convict labor will be allowed in the work. Each bid must be accompanied by a certified check for a sum not less than two per cent of the amount of the proposal. The right is reserved to reject any and all bids, and to waive any defect or informality in any bid, if it be deemed in the interest of the Government to do so. All proposals received after the time stated will be returned to the bidders. Proposals must be enclosed in envelopes sealed and marked "Proposal for the Cut-stone and Brick Work, etc., for the United States Custom-house and Post-office building at St. Albans, Vt.," and addressed to JEREMIAH O'ROURKE, Supervising Architect.

928

Treasury Department, Office Supervising Architect, Washington, D. C., September 25, 1893. Sealed proposals will be received at this office until 2 o'clock P. M. on the 18th day of October, and opened immediately thereafter, for all the labor and materials required for the trench excavation, foundations, stone and brick masonry, cut stonework, wood floor, ceiling and roof construction, roof covering and approaches, for the United States Post-office building at Rockford, Ill., in accordance with the drawings and specification, copies of which may be had on application at this office or the office of the Superintendent at Rockford, Ill. No convict labor nor the product of any convict labor will be allowed in the work. Each bid must be accompanied by a certified check for a sum not less than two per cent of the amount of the proposal. The right is reserved to reject any or all bids, and to waive any defect or informality in any bid, if it be deemed in the interest of the Government to do so. All proposals received after the time stated will be returned to the bidders. Proposals must be enclosed in envelopes sealed and marked "Proposal for the Trench Excavation, Foundations, Cut-stone and Brick work, Wood Floor, Ceiling and Roof Construction, and Approaches for the United States Post-office Building at Rockford, Ill.," and addressed to JEREMIAH O'ROURKE, Supervising Architect.

928

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The "DUPLEX" is a combination of the best features of the "Capital" and the "A. D." both of which are **GOOD**.

We consider it much

**BETTER** than either and without doubt the **BEST** ever produced, besides being the best looking.

It will work equally well if cistern is placed any height say from THREE to SEVEN feet above closet and if flush pipe (which should be 1 1/2 inch) is straight or made with elbows or eighth bends one or a half dozen, contains a large body of water, is very nearly noiseless, and costs less than others not as good.

Every "Du-Plex" tested before it leaves our store and warranted.

Send for Circular and Prices to,

**FRED ADEE & CO.,**

90 BEEKMAN STREET. NEW YORK.

"Simplicity is Perfection."

## THE "CLEAN SWEEP" NON-SIPHON SEWER-GAS TRAP

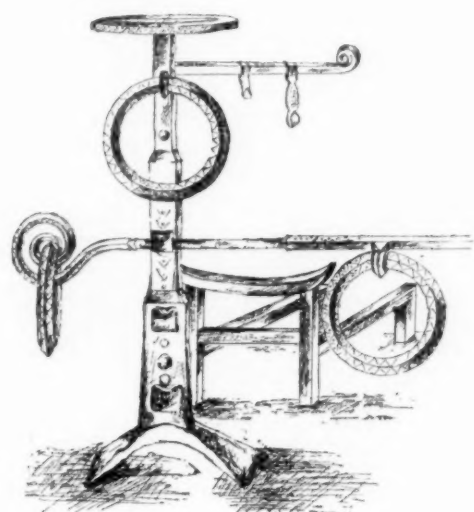
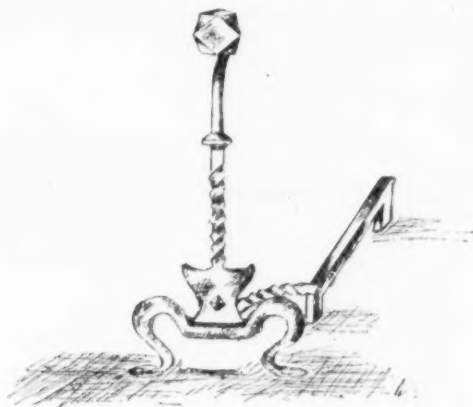
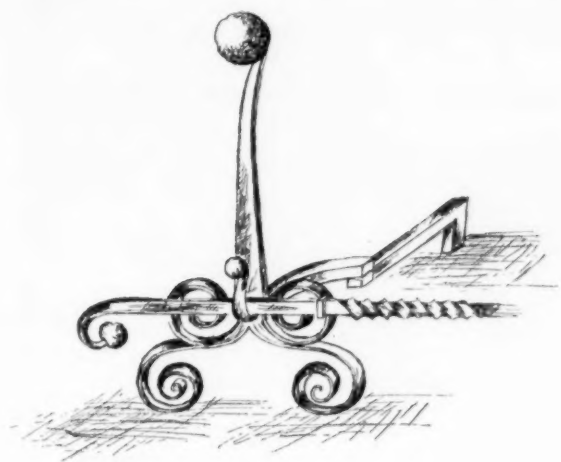


Is the perfection of simplicity, and has stood the test of time and practice. A combination of the Pot or Drum Trap and the common "S" Trap, it possesses all the good features of both, and none of the defects of either. A large water seal, absolutely sure, and a free water-way. If you desire a thoroughly reliable trap at a moderate price, the "CLEAN SWEEP" will prove itself to be such.

Illustrated and descriptive Catalogue and Price-list mailed on application. Correspondence solicited.

**DETROIT SANITARY SUPPLY COMPANY,**

37, 39 and 41 First Street - - DETROIT, MICH.



Telephone 890 78th Street. **WILLIAM R. PITT** 202 Fifth Ave  
COMPOSITE  
IRON WORKS  
New York June 1<sup>st</sup> 1893

Gentlemen We have removed from our old stand at 83 Reade St. and now occupy the store on the corner of 5<sup>th</sup> Avenue and 25<sup>th</sup> Street (opposite the North Monument.)

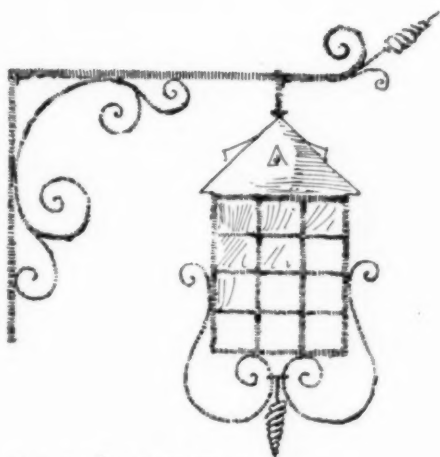
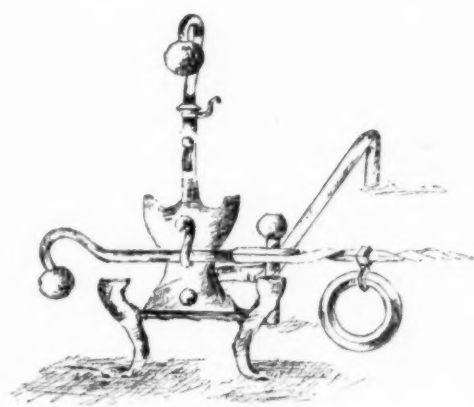
We respectfully invite architects to call on us and examine the fine assortment of Antiques Andirons, Grilles, Lamps, Mantle ornaments, and objects of art in wrought-iron which we have on hand.

We shall still continue to make a specialty of Architectural Iron Work in general and Steel Patent Folding Gates in particular. We have succeeded in making Folding Gates in new and artistic designs which we will take pleasure in showing.

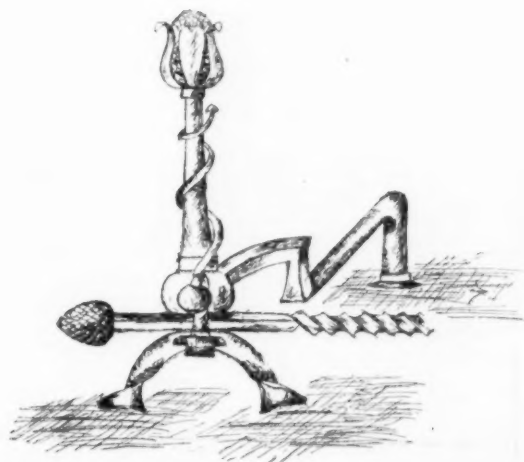
Yours Truly

WM. R. PITT COMPOSITE IRON WORKS.

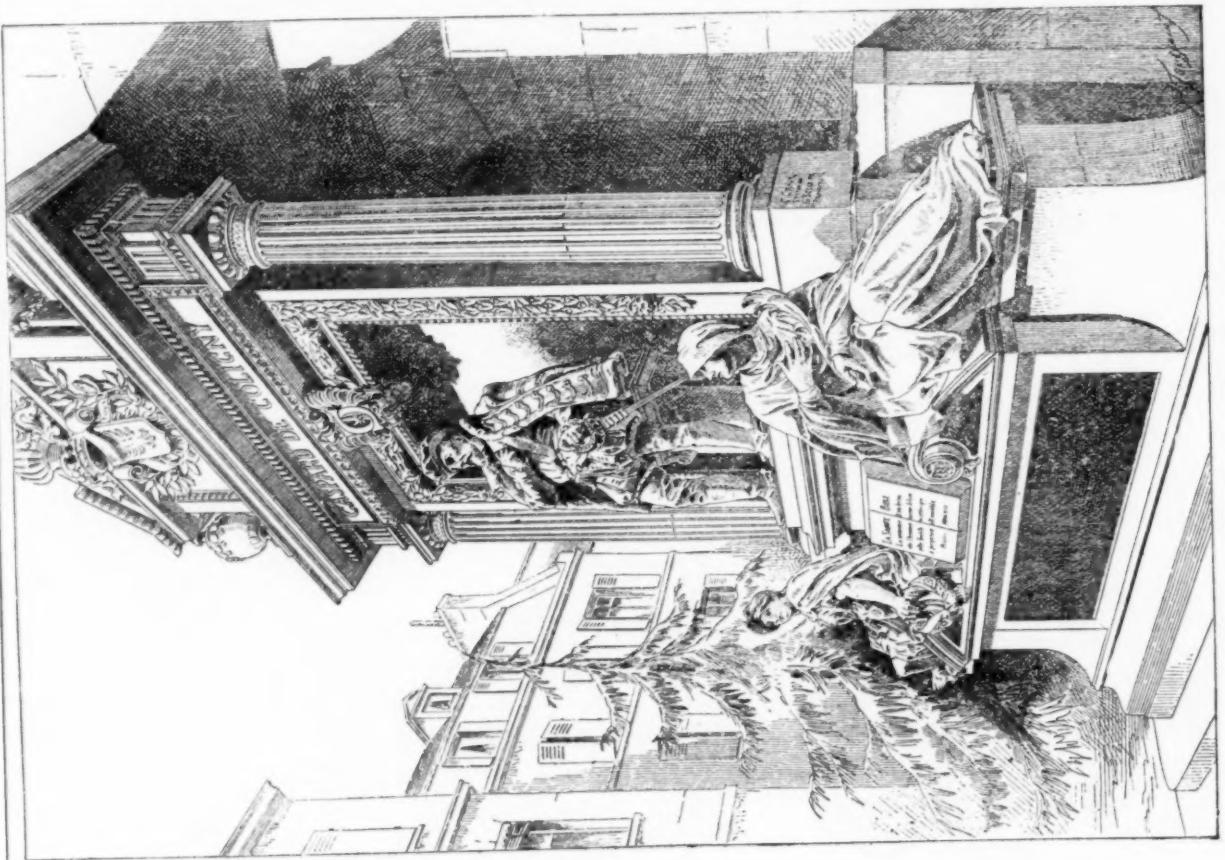
Wm R Pitt Pres.



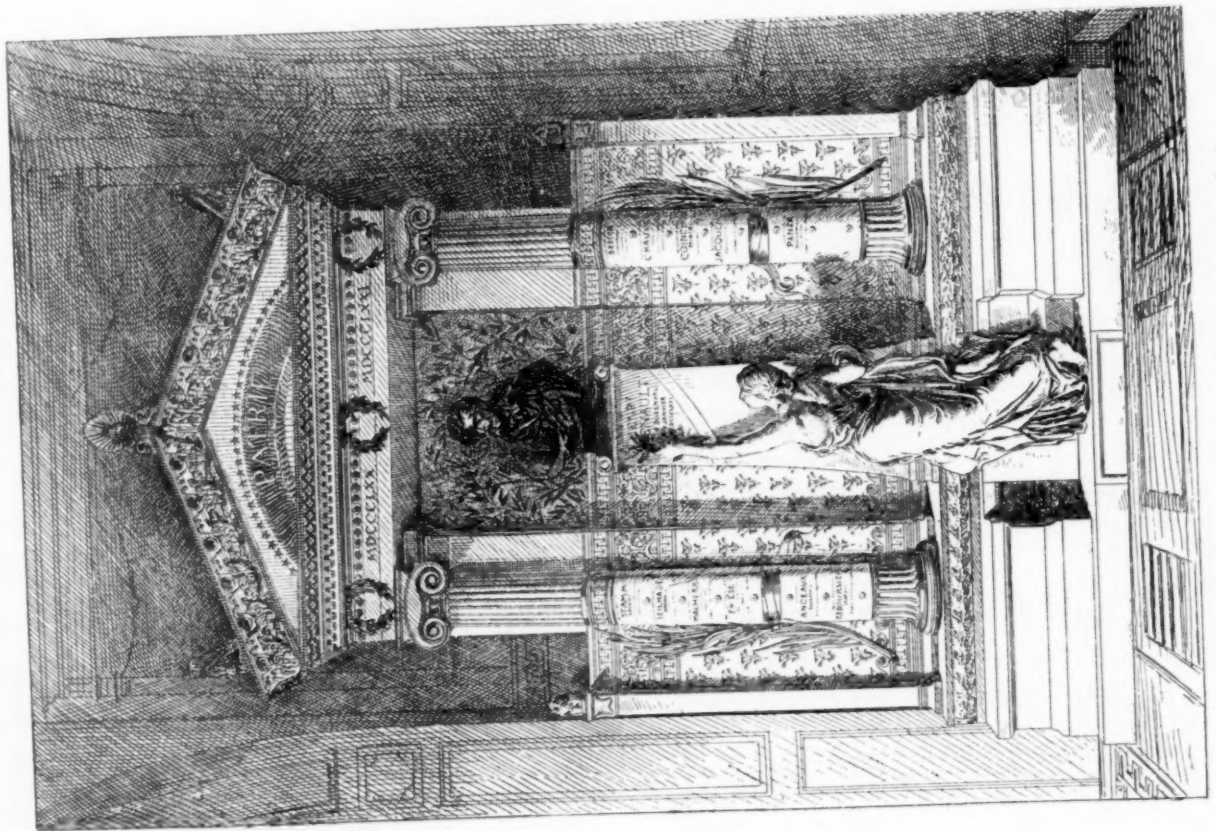
Lamp for C.P. Ralli Esq





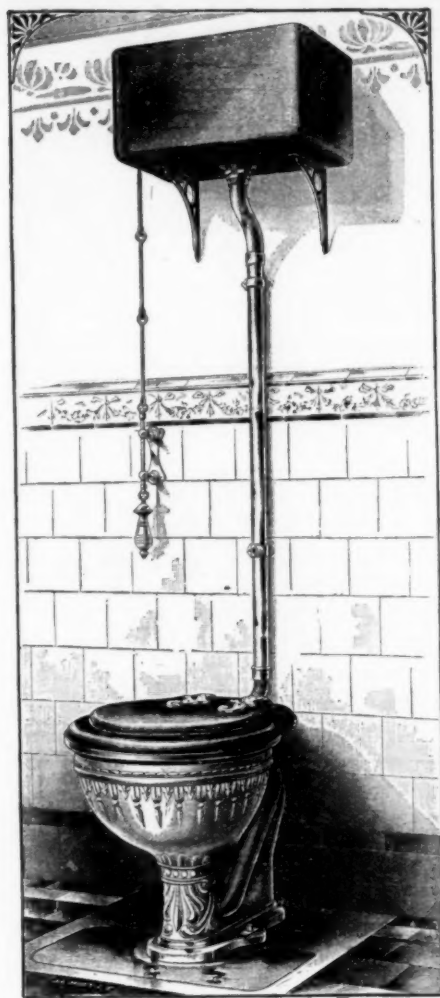


Monument to Admiral Colligny, Paris, France.



Monument to Henri Regnault at the Ecole des Beaux-Arts, Paris.

MURAL MONUMENTS.



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PLATE 1134-G.

## The J. L. MOTT IRON WORKS,

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311-313 Wabash Avenue, Chicago.

### "THE PRIMO"

Patent Direct Action Syphon Jet Water-Closet,

With "PERFECTO" Seat.

#### THE "PERFECTO" SEAT.

(Patent applied for.)

WALL-LINE



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Doubtless,

THE PRIMO SYPHON-JET WATER CLOSET is the best for use in private dwellings and hotels.

WHY?

It is quick, thorough and comparatively noiseless in operation. It represents in its construction the best and most modern principles of sanitation. We guarantee the Primo, and architects and plumbers can guarantee it to their clients and customers. The earthenware is made by the best potters in the world, T. C. Brown, Westhead, Moore & Co. The bowl contains a large body of water and the water seal is nearly 5 inches, affording an effectual barrier to sewer gas. The Perfecto Seat is secured directly to the closet, is artistic in appearance, requires no wall brackets, and leaves the space behind and all parts of the bowl free for cleansing. Illustrated Price-List mailed on application.

"THE CAST SINK MUST GO"

THE COLUMBUS WROUGHT STEEL SINK DISPLACES ALL OTHERS

PAINTED, GALVANIZED, ENAMELLED.

• Send for descriptive circular and prices, to  
The Kilbourne & Jacobs Mfg. Co.  
Sole Manufacturers, - COLUMBUS, OHIO



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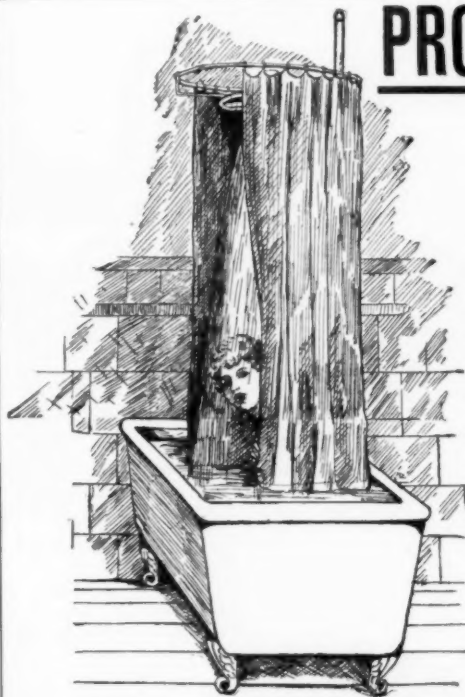
SELF CLOSING

BASIN COCK

EVERY ONE  
WARRANTED

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Stebbins Manufacturing Co., Brightwood, Mass.  
SOLE MANUFACTURERS.



## PROTECTION

in connection with our large variety of Porcelain-lined Baths. We have a line of shower fittings which furnish an additional luxury to a bath-room, by affording a ready means of enjoying a refreshing bath without waste of time. The rubber curtains protect walls and floor from being splashed, and are folded back out of the way when not in use. We have portable showers which are as easily moved as a cabinet.

STANDARD MANUFACTURING CO.,

Catalogue free.

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ENAMELLED FRENCH BATHS.

With  
Patent Supply  
and  
Waste.

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MANUFACTURERS OF  
AND DEALERS IN  
PLUMBERS' SUPPLIES  
— AND —  
SANITARY SPECIALTIES.

Haines, Jones & Cadbury Co.,

No. 1136 Ridge Avenue, Philadelphia, Pa.





## THE MAN AT THE FURNACE

GETS HOT INSIDE AND OUT

when the fickle wind blows fire and smoke into his face.

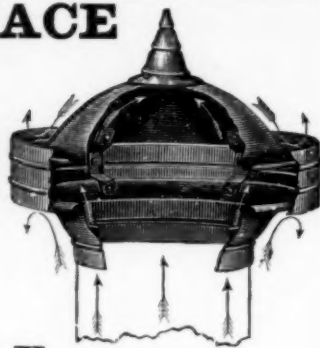
IT SAVES SWEARING

in such cases to put a **GLOBE VENTILATOR** on the chimney and create a steady upward current.

**GLOBE VENTILATOR CO.,**

OFFICE: 203 River Street,

TROY, N. Y.



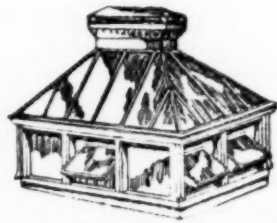
TO ARCHITECTS,  
BUILDERS  
AND OWNERS.

## MINERAL WOOL,

As a Lining in Walls and Floors for preventing the  
ESCAPE OF WARMTH AND THE DEADENING OF SOUND.  
SAMPLE AND CIRCULARS FREE.

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JOHN SETON, 78 and 80 Washington Ave.  
BROOKLYN, N. Y.  
Prices given on application.

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26 JOHN ST., N. Y.

THE BEST MADE.



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## FRONT BRICK

BUFF, BROWN, MOTTLED YELLOW,  
GRAY, OLD GOLD AND  
OTHER COLORS.

## BOSTON TERRA-COTTA COMPANY.

## Architectural Terra-cotta

In all its varied colors and forms.

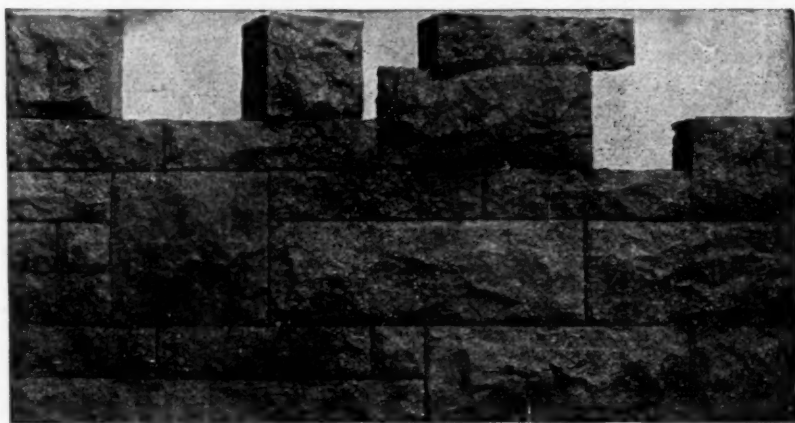
## FISKE, HOMES & CO.,

MANAGERS,

Factories on Federal Street and  
at South Boston.

Office, 164 Devonshire St., Boston.  
Times Building, Park Row, New York.  
927 Chestnut St., Philadelphia.

## The Boston Brick Ashlar.



G. M. FISKE'S PATENTS, 415,772, 415,773 and 415,774. November 26, 1889.

This new and unique form of Brick or Terra-cotta Work is furnished  
in all colors known in clay manufacture, and in great variety  
of form and finish, by the following

LICENSEES:

FISKE, HOMES & CO., Boston, Mass.; New York Office, Times Building.  
THE NORTHWESTERN TERRA-COTTA CO., Chicago, Illinois.

[See Alphabetical Index on page VII for Pagination.]

## Classified Advertisements.

[Advertisers can be indexed only under a single head free of charge.]

**Air Valves.** Hodge Bros., Boston, Mass.  
**Antiseptics.**  
W. H. Schieffelin & Co., New York, N. Y. (cow)  
**Annunciators.**  
W. R. Ostrander & Co., New York  
**Architects.**  
Butler & Truscott, Philadelphia, Pa. (fmon)  
**Architect's Materials.**  
Frost & Adams, Boston. (cow)  
**Architectural Sheet-Metal Ornamental Works.** W. H. Mullins, Salem, O.  
**Artificial Stone.**  
Wenn Pavement Co., New York, N. Y. (cow)  
**Asbestos Felt & Rubber Coverings.**  
H. W. Johns Mfg Co., New York  
**Asbestos Felt.** H. F. Watson Co., Erie, Pa.  
**Asbestos Paint.**  
H. W. Johns Mfg Co., New York  
**Asphalt.**  
Neuchatel Asphalt Co., New York  
New York Mastic Works, New York, N. Y.  
**Asphalt Roofing.**  
Warren Chemical & Mfg Co., New York  
**Basin Cocks.**  
Stebbins Mfg. Co., Brightwood, Mass. (cow)  
**Bath-Tub.**  
Fred. F. Buschhoff & Co., Chicago, Ill. (fmon)  
Miller & Coates, New York  
J. L. Mott Iron Works, New York  
Standard Mfg. Co., Pittsburgh, Pa. (cow)  
**Bells.**  
Blake Bell Co., Boston, Mass.  
U. S. Tub & Bell Co.  
**Blue Prints.**  
Spaulding & Moss, Boston, Mass. (cow)  
**Boilers.**  
Babcock & Wilcox Co., New York  
Randolph & Clowes, Watertown, Conn.  
**Books and Journals.**  
Babcock & Wilcox Co., New York

**Books and Journals.** (Continued.)  
Wm. T. Comstock, New York  
Hessling & Spielmeier, New York, N. Y.  
Tucknor & Co., Boston  
**Brass Goods.**  
J. B. Shannon & Sons, Philadelphia. (fmon)  
**Brick Ashlar.**  
Fiske, Homes & Co., Boston  
**Brick (Colored).**  
Jarden Brick Co., Philadelphia, Pa.  
**Brick (Ornamental).**  
Fleming Cement & Brick Co., New York. (cow)  
W. H. Gates, Boston, Mass. (cow)  
Hydraulic Press Brick Co., St. Louis.  
Peerless Brick Co., Philadelphia, Pa.  
Waldo Bros., Boston  
**Brick Machine.**  
The Frey, Sheckler Co., Bucyrus, O. (cow)  
**Bronzework.**  
Bureau Bros., Philadelphia, Pa. (fmon)  
M. J. Power, New York  
**Bronze and Brass Work.**  
Paul E. Cahart, New York, N. Y.  
**Building Felt (Fire and Waterproof).**  
H. W. Johns Mfg Co., New York  
**Building Papers.**  
H. F. Watson Co., Erie, Pa.  
**Ceilings (Metal).**  
New York Metal Ceiling Co., New York, N. Y.  
H. S. Northrop, New York, N. Y. (fmon)  
The Kinross & Gager Co., Columbus, O. (cow)  
**Cement (Hydraulic).**  
F. O. Norton Cement Co., N. Y.  
**Cement.**  
Allen's Cement Works, New York, N. Y. (cow)  
Brooks, Shookbridge & Co., New York  
Fleming Cement & Brick Co., New York. (cow)  
Johnson & Wilson, New York  
J. B. King & Co., New York  
Lawrence Cement Co., New York, N. Y.

**Cement.** (Continued.)  
E. Thiele, New York, N. Y.  
**Chimney Tops.**  
H. M. Hansen, Chicago, Ill. (fmon)  
**Chrome Steel Castings.**  
Chrome Steel Works, Brooklyn, N. Y. (cow)  
**Clay Shingles.**  
Clay Shingle Co., Indianapolis, Ind.  
**Conductors (Water).**  
W. Austin Udyke & Co., Philadelphia  
Boston Spiral Tube Works, Boston  
Solderless Standing-Seam Conductor Co.,  
Allegheny, Pa.  
**Conservatories.**  
Lord & Barnham Co., Irvington-on-Hudson,  
N. Y.  
**Consulting Engineer.**  
George Hill, New York, N. Y.  
**Contracting.**  
Frynt Building & Construction Co., Palmer,  
Mass.  
Samson Cordage Works, Boston. (cow)  
**Oreosote Stains.**  
S. Cabot, Boston, Mass.  
**Coverings.** (Boiler & Pipe.)  
H. W. Johns Mfg. Co., New York, N. Y.  
**Decorators.**  
L. Haberstroff & Son, Boston  
Donald McDonald, Boston  
**Door Hangers.**  
Lane Bros. Poughkeepsie, N. Y.  
**Door Knobs.**  
J. Bardeley, New York, N. Y.  
**Drawing Ink.**  
Chas. M. Higgins, Brooklyn, N. Y.  
**Drawing Instruments.**  
Theo. Allen & Sons, Philadelphia, Pa. (cow)  
**Electric Switch.**  
Cutler Electrical & Mfg. Co., Philadelphia, Pa.

**Elevators, etc.**  
Crane Elevator Co., Chicago, Ill.  
Graves Elevator Co., Rochester, N. Y.  
Volney W. Mason & Co., Providence, R. I.  
Moore & Wiman, Boston  
Morse, Williams & Co., Philadelphia  
Otis Brothers & Co., New York  
Springfield Foundry Co., Springfield, Mass.  
Standard Elevator Co., Chicago, Ill.  
Whittier Machine Co., Boston  
**Elevator Cars and Enclosures.**  
J. E. Rolles & Co., Detroit, Mich. (cow)  
**Engineering Help.**  
The Engineering Employment Bureau  
**Fan (Ventilating).**  
Huvert & Smith Mfg. Co., Detroit, Mich.  
**Fireproof Building.**  
Henry Maurer, New York  
Finner Fireproof Construction Co., Chicago, Ill.  
**Fireproof Construction.**  
Guastavino Fireproof Construction Co., N. Y.  
**Fireproof Lathing.**  
Hayes Metallic Lathing, New York  
Prince & Muir, New York, N. Y.  
**Floors (Hardwood).**  
The Interior Hardwood Co., Indianapolis, Ind.  
Wood Mosaic Co., Rochester, N. Y. (cow)  
**Floors (Inlaid).**  
National Wood Mfg Co., N. Y.  
**Gas Machines.**  
Tirell Gas-Machine Co., New York  
**Gates.**  
Wm. R. Pitt, New York, N. Y. (fmon)  
**Glass (Bevel).**  
M. A. Smith Newark, N. J. (fmon)  
**Glass (Stained and Ornamental).**  
Maxand Armstrong & Co., New York  
Matthews Decorative Glass Co., New York  
Donald MacDonald, Boston  
Tiffany Glass & Decorating Co., New York

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**RARITAN HOLLOW AND POROUS BRICK CO.,**  
 MANUFACTURERS OF  
**Hollow Fire-Clay and Porous Terra-Cotta Bricks**  
 of Every Description, for Fireproof Buildings.  
**BUFF AND MOTTLED FRONT BRICK, FIRE BRICK.**  
 Send for new Illustrated Catalogue, giving weight of materials, safe loads, etc.  
 Office, 874 Broadway, NEW YORK.

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**HENRY MAURER & SON,**  
 Manufacturers of  
**FIRE-PROOF BUILDING MATERIAL**  
 Of every description. Hollow Brick made of Clay for Flat Arches, Partitions, Furring, etc.  
 Porous Terra-Cotta, Fire-Brick, etc., etc.  
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 Main Office, 57th St., near North River, New York.  
 BRANCH OFFICES: 63 Pierce Building, Boston. Vaughan Building, Providence.  
 Phoenix Building, Chicago. New Insurance Building, Milwaukee.

# PIONEER FIREPROOF CONSTRUCTION CO.

1545 SO. CLARK STREET, CHICAGO.

MANUFACTURERS AND CONTRACTORS

FOR EVERY DESCRIPTION OF

## Hollow Tile AND Porous Terra-Cotta FOR FIREPROOFING BUILDINGS.

CONTRACTS TAKEN IN ALL PARTS OF THE UNITED STATES. Send for Illustrated Catalogue and Price List.

## Building Stones.

**Dorchester,** (New Brunswick.) Yellow.  
**Corsehill,** (Scotch.) Red.  
**G. P. SHERWOOD,** 24 Pine St., New York.

**J. P. FALT & COMPANY,**

Quarrymen &amp; Miners of

**RED SANDSTONE.**

Contractors for CUT-STONE WORK.

Proprietors of Carlisle Quarries, Springfield, Mass.  
 Prices for rough stone furnished on application,  
 and estimates made for cut-stone work to be delivered  
 at any railroad point. Correspondence solicited.  
 Send for samples.

**CLARKSON QUARRIES.**

Potsdam Red Sand Stone

— ALSO —

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STONE CUT AND DELIVERED  
READY TO SET IN BUILDINGS.

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**POTSDAM, N. Y.** **AGENTS,**  
**55 LIBERTY ST., N. Y.**



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218 East 25th Street, New York.

Artists' Models cast in Standard Bronze.

Architects' Designs Executed.

Artistic and Enduring Monuments  
in Granite and Bronze.

No Catalogues.

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"IT IS NOT WHAT WE UNDERTAKE, BUT WHAT  
 WE FINISH THAT DETERMINES SUCCESS." Archi-  
 tects and Builders would have this crowning feature in  
 the specification and adoption of  
**NASSAU'S AMBEROLIO FINISHES.**



They are ac-  
 knowledged  
 everywhere  
 as the best  
 Varnishes ex-  
 tant combin-  
 ing the great-  
 est durability  
 and perfection  
 in finish to be  
 attained.

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**Philadelphia, Pa.**  
 S. W. Cor. Broad and Market Streets.

## Classified Advertisements (Continued).

[Advertisers can be indexed only under a single  
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| <p><b>Grates, etc.</b><br/>         J. S. Conover &amp; Co., New York.<br/>         E. A. Jackson &amp; Co., New York, N. Y.<br/>         Wm. H. Jackson &amp; Co., New York.<br/> <b>Hard Oil Finish.</b> Berry Bros., Detroit, Mich.<br/> <b>Hardware.</b><br/>         Burditt &amp; Williams, Boston, Mass.<br/> <b>Hardware.</b> (Art.)<br/>         Yale &amp; Towne Mfg. Co., Stamford, Ct.<br/> <b>Harness Bracket.</b><br/>         Jas. J. Reed, Boston.<br/> <b>Heating and Ventilating.</b><br/>         Smith &amp; Anthony Stove Co., Boston.<br/> <b>Heating Apparatus.</b> (Steam)<br/>         Gorton &amp; Liddellwood Co., New York. (eow)<br/>         N. Y. Central Iron Works Co., Geneva, N. Y.<br/>         Pure Steam-heating Co., Norwich, Conn.<br/>         Richardson &amp; Boynton Co., New York, N. Y.<br/>         H. B. Smith Co., New York.<br/> <b>Heliotype Process.</b><br/>         Heliotype Printing Co., Boston.<br/> <b>Hinges.</b> (Spring)<br/>         Van Wagner &amp; Williams Co., Cleveland, Ohio.<br/> <b>Hot-Blast Apparatus.</b><br/>         Huvel &amp; Smith Mfg. Co., Detroit, Mich.<br/>         B. F. Sturtevant Co., Boston, Mass.<br/> <b>Hot-Water Heating.</b><br/>         Detroit Heating &amp; Lighting Co., Detroit, Mich.<br/>         Garney Hot-Water Heater Co., Boston, Mass.<br/> <b>Insulated Wire.</b><br/>         W. R. Briley, New York, N. Y. (eow)<br/>         The Okonite Co., (Ltd.) New York, N. Y. (eow)<br/> <b>Insurance.</b><br/>         Continental Insurance Co., N. Y. (eow)<br/>         Insurance Co. of North America, Phila.<br/>         New England Mutual Accident Association.<br/> <b>Iron-Work</b> (Architectural).<br/>         Belmont Iron Works, Philadelphia, Pa. (eow)<br/>         Columbia Iron &amp; Steel Co., Uniontown, Pa.<br/>         Cooper, Hewitt &amp; Co., New York.<br/>         Jackson Architectural Iron Works, N. Y.<br/>         Passaic Rolling Mill Co., Paterson, N. J.<br/>         Phoenix Iron Co., Philadelphia.<br/>         Pittsburgh Architectural Iron Works, Pitts-<br/>         burgh, Pa.<br/> <b>Iron</b> (Galvanized).<br/>         Apollo Iron &amp; Steel Co., Pittsburgh, Pa.</p> | <p><b>Joist Hanger.</b><br/>         Duplex Hanger Co., Cleveland, O.<br/> <b>Laundry Machinery.</b><br/>         Oakley &amp; Keating, New York.<br/>         Troy Laundry Machinery Co., Troy.<br/> <b>Lightning Protection.</b><br/>         American Lightning Protection Co.<br/> <b>Link-Belting.</b><br/>         Link Belt Engineering Co., Philadelphia, Pa.<br/> <b>Mail Chutes.</b><br/>         Cutler Manufg. Co., Rochester, N. 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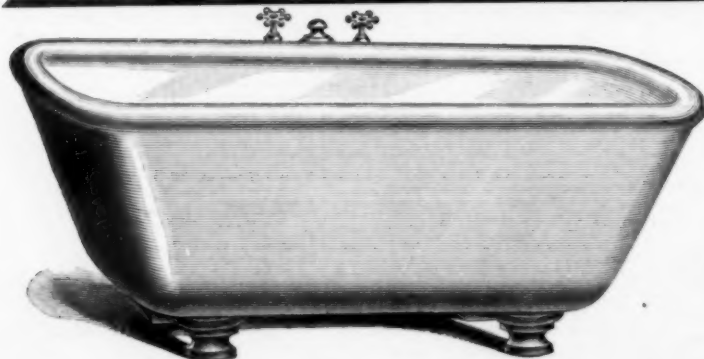
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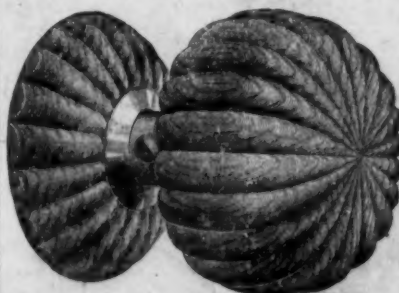
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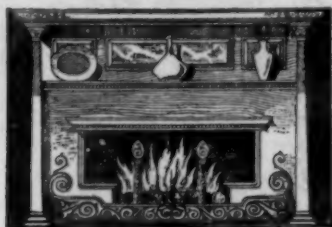
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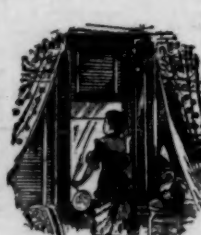
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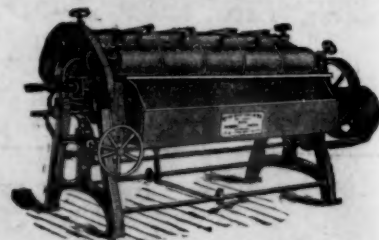
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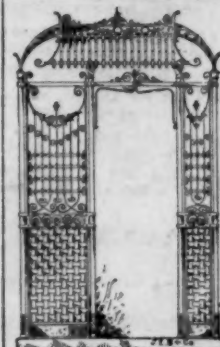
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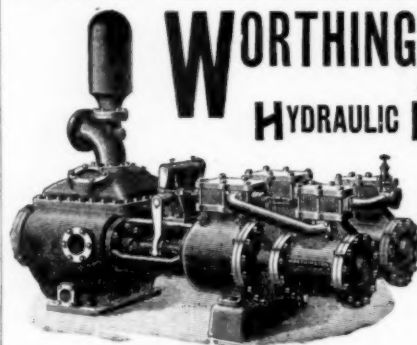
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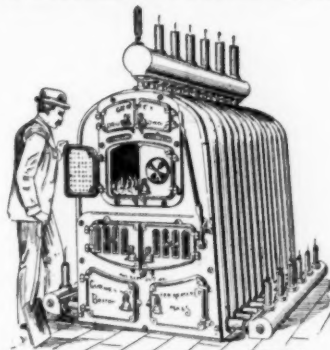
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| Litharge, Am.....                                | 5 1/2     | 6     | 6 1/2     | 7            |
| Sienna (burnt).....                              | 14        | 20    | 14        | 20           |
| Umber.....                                       | 14        | 20    | 14        | 20           |
| HARDWARE.                                        |           |       |           |              |
| Nails: (Per Cask.) Spikes, (wrought).....        | 2 25      |       | 2 35      | 3 50         |
| 10d. common.....                                 | 2 60      |       | 2 60      | 1 95         |
| Shingle.....                                     | 3 35      |       | 2 65      | 2 35         |
| Lath.....                                        | 4 85      |       | 3 20      | 3 25         |
| (Finishing nails according to size).....         |           |       |           | 3 25         |
| (For casing nails add 75 c. per keg).....        |           |       |           | 3 25         |
| Butts: 4" x 4".....                              |           |       |           | 90           |
| Plain.....                                       | 1 00      | 1 20  | Not Sold. | 2 00         |
| Japanned.....                                    | 1 50      | 1 75  | Not Sold. | 3 75         |
| Acorn, Japanned.....                             | 1 50      | 1 90  | Not Sold. | 3 75         |
| Ball Tip, Boston Finish.....                     | 65        | 50    | 2 00      | 3 25         |
| Bronze metal.....                                | 1 90      | 1 65  | 14        | 16           |
| Brass (for cupboards).....                       | 10        | 10    | 2         | 10           |
| Ebony.....                                       |           |       |           |              |
| Apple wood.....                                  |           |       |           |              |
| Knobs: (P set).....                              |           |       |           |              |
| Mineral, best.....                               | 8         | 8     | 8         | 10           |
| Lava.....                                        | 50        | 75    | 65        | 80           |
| Hemacite.....                                    | Not Sold. | 17    | 33        | 31           |
| Porcelain.....                                   | 30        | 10    | 25        | 30           |
| Glass, solid.....                                | Not Sold. | 50    | Not Sold. | 1 50         |
| Glass, silvered.....                             | Not Sold. | 88    | 50        | 3 00         |
| Bronze metal.....                                | 75        | 50    | 1 00      | 3 00         |
| Brass.....                                       | 1 00      | 50    | 14        | 16           |
| Solder.....                                      |           |       | 5 1/2     | 6            |
| Sheet Lead.....                                  |           | 7 1/2 |           |              |
| Lead Pipe.....                                   |           | 6 1/2 |           |              |
| Iron:                                            |           |       |           |              |
| I-Beams, up to and including 30 ft.....          | 3 3-10    | 3 1/2 | 2 50      | 2 75         |
| do. over 30 ft., 1/2 c. adv. for every 5 ft..... | 3 8-10    | 3 1/2 | 50        | 2 75         |
| Channel Beams.....                               |           |       |           |              |

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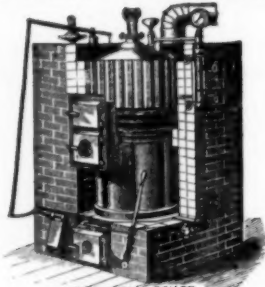
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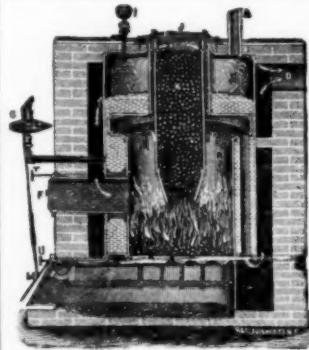
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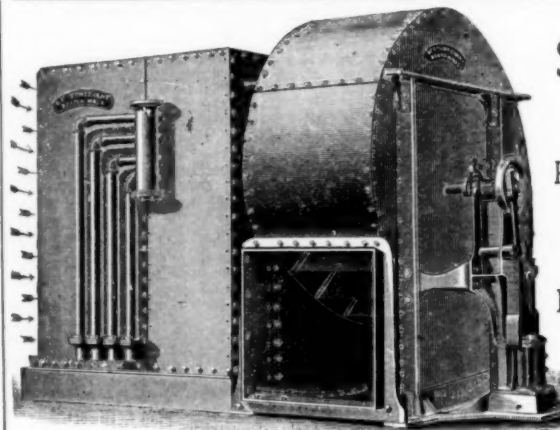
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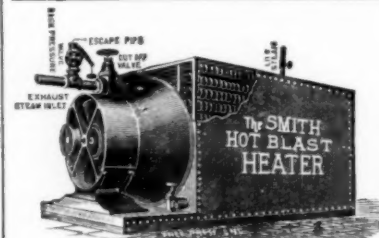
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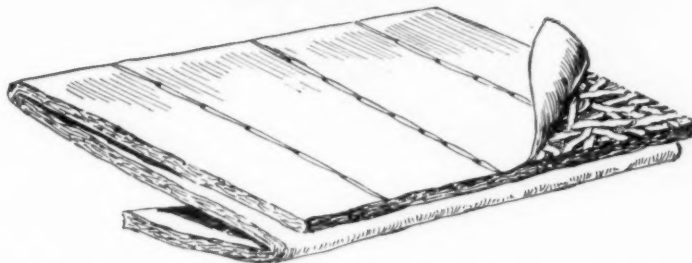
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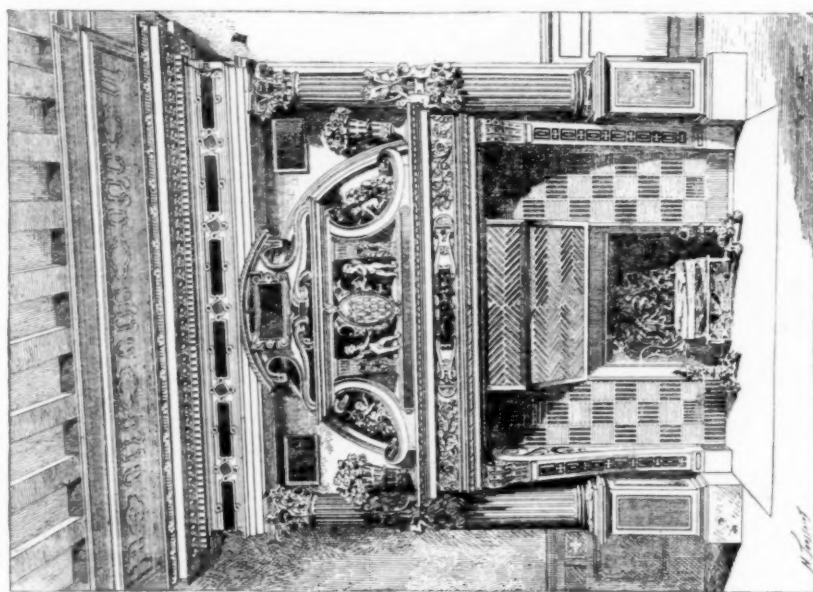
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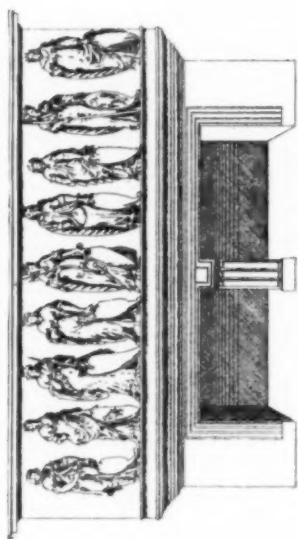
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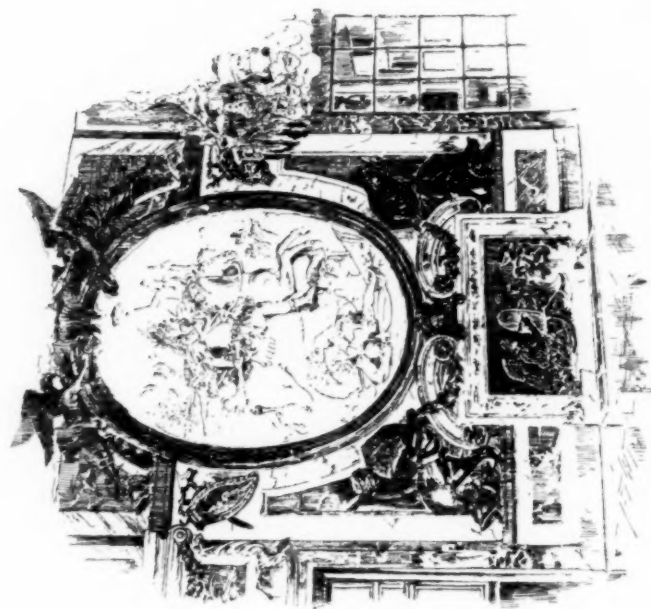




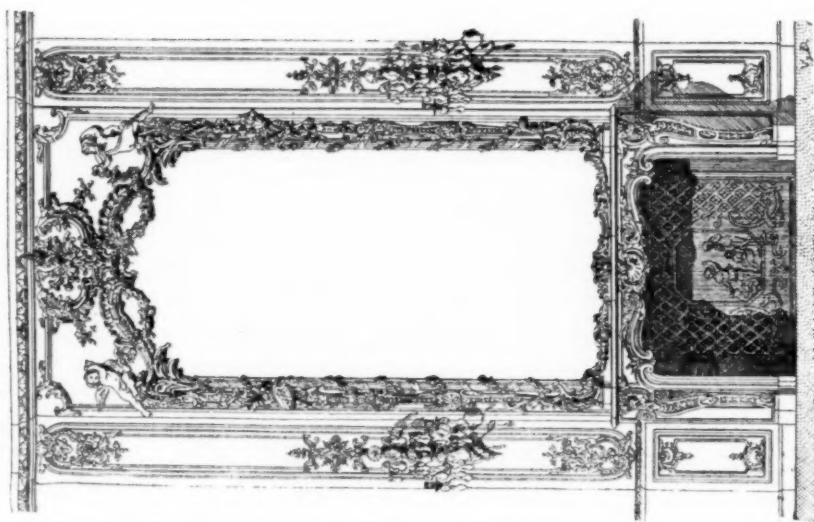
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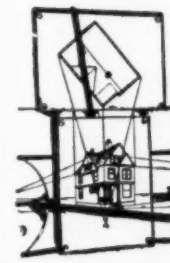
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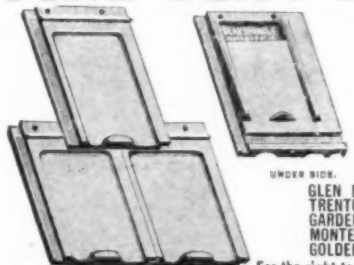
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[This Table localizes only the main groups. For a full enumeration of advertisements see Classified Index on pages xvi, xviii, and xix.]

Room 24. 44-46 Broadway, New York City.

## BUILDING INTELLIGENCE

R. Michael, three-st'y flats, 639 Maplewood Ave.  
cost, \$5,500.

[Continued on page xiii.]

## VARNISH IN ARCHITECTURE.

THE AGE OF REASON.

Although the age of reason now prevails in most matters pertaining to Architecture, still the sun is only commencing to dawn upon the important item of varnish. Considering the great work it has to do it is strange that varnish should have been so long regarded with such apathy by the Architect. This state of affairs no longer obtains however, and varnish is commencing to receive the recognition that properly belongs to it, the result being a marked change for the better in the appearance of modern interiors.

One of the greatest and most practical educators in the matter of varnish and its proper status as a building material is the Forestry Building at the World's Fair. In that vast treasure house is demonstrated what good varnish will do in the way of developing and beautifying the grain of natural woods, and this wonderful exhibition is impressive alike to both Architect and layman.

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TRENTON, N. J.**

### BUILDING INTELLIGENCE.

(Apartment-Houses Continued.)

Charles Ness, 2 three-st'y flats, 480-482 West Huron St.; cost, \$9,000.  
W. Johnston, two st'y flats, Bryn Mawr Ave., near Ridge Ave.; cost, \$4,500.  
Mary White, two-st'y flats, 684 Warren Ave.; cost, \$4,000.  
Mary Briggs, three-st'y flats, 3706 Indiana Ave.; cost, \$5,000.  
C. Schultze, two-st'y flats, 138 Osgood St.; cost, \$3,500.  
B. Hyde, four st'y flats, 234 Hampden Ct.; cost, \$20,000.  
Adolph Huebenthal, two-st'y flats, 6421 May St.; cost, \$3,000.  
Jennie Campbell, two-st'y flats, 78 Fowler St.; cost, \$3,200.  
Fred. Taylor, two-st'y flats, 2053 Washington Boulevard; cost, \$6,000.  
Julius Sommer, 2 three-st'y flats, 912-914 Grace-land Ave.; cost, \$10,000.  
Peter Mayers, two-st'y flats, 969 Seminary Ave.; cost, \$3,000.  
Hannah Busby, 8 three-st'y flats, Indiana Ave. and Twenty-first St.; cost, \$100,000.  
Frank Jacobson, two-st'y flats, 167 Ninety-first St.; cost, \$3,200.  
Andrew Nelson, two-st'y flats, 10743 Michigan Ave.; cost, \$3,000.  
F. C. Partridge, 4 four-st'y flats, 193-201 Thirty-seventh St.; cost, \$24,000.  
O. A. Riggle & Son, two-st'y flats, 1065 Central Park Ave.; cost, \$3,500.  
E. Wood, two-st'y flats, 766 Hinman St.; cost, \$3,000.  
S. Glickmann, 4 four-st'y flats, 155-159 Brown St.; cost, \$25,000.  
T. J. McNulty, four-st'y flats, 303 Sheffield Ave.; cost, \$10,000.  
Joseph Panzar, three-st'y flats, 622 South Wood St.; cost, \$7,500.  
J. Mackey, three-st'y flats, 9041 Green Bay Ave.; cost, \$3,500.  
Frank Bishup, two-st'y flats, 1744-1746 Forty-seventh St.; cost, \$5,300.  
E. S. Bristol, 2 two-st'y flats, 1640 West Adams St.; cost, \$13,000.  
Berthal Rumsel, three-st'y flats, 879 Bonny Ave.; cost, \$5,500.  
L. J. Iverson, three-st'y flats, 2067 Emerson Ave.; cost, \$8,000.  
Maehl, Bartl & Repman, 4 three-st'y flats, 5532-5538 Indiana Ave.; cost, \$28,000.  
D. J. Murphy, 2 three-st'y flats, 620-622 Montrose Boulevard; cost, \$8,000.  
Charles Anderson, three-st'y flats, 1481 Newport Ave.; cost, \$3,500.  
E. S. Bliss, three-st'y flats, 6033 Indiana Ave.; cost, \$6,000.  
H. M. Jaffray, two-st'y flats, 1469 Wellington Ave.; cost, \$5,000.  
A. Clouthier, three-st'y flats, 2119 Blue Island Ave.; cost, \$5,500.  
Dennis O'Connell, three-st'y flats, 29 Alexander Ave.; cost, \$5,400.  
Hoxerman & Banker, three-st'y flats, 348-350 North Oakley Ave.; cost, \$4,500.  
James O'Brien, two-st'y flats, 352 East Twenty-fourth St.; cost, \$7,000.  
J. R. Zound, three-st'y flats, 752 Chestnut St.; cost, \$3,000.  
James Gervinkee, three-st'y flats, 937 Albany Ave.; cost, \$3,000.  
O. C. Wolcott, three-st'y flats, 485 Forty-sixth St.; cost, \$4,500.

**Cincinnati, O.**—R. A. Stoehr, owner and architect, three-st'y brick and stone apartment-house, e s Gilbert Ave.; cost, \$4,000.  
Fannie Mackelfresh, three-st'y brick and stone flats, 11 Arch St.; cost, \$4,500; architect, F. Evans.

**New York, N. Y.**—One Hundred and Forty-ninth St., s s 437 w Morris Ave., five-st'y brick flats, tin roof; cost, \$31,000; owner, Charles H. Bull, 702 Madison Ave.; architect, J. J. Vreeland, 711 East One Hundred and Seventy-seventh St.

**Philadelphia, Pa.**—Near Ninth and Locust Sts., fourteen-st'y apartment-house; owner, William S. P. Shields.

### CHURCHES.

**Cramer Hill, N. J.**—New Bethany Baptist Church will be built.

**Manayunk, Pa.**—Green and Wood Sts., Epiphany Lutheran Church.

**Merchantville, N. J.**—A \$10,000 church will be built by the congregation of Grace P. E. Church.

**North Tonawanda, N. Y.**—Stone and frame church for St. Mark's Protestant-Episcopal Church; architect, W. H. Archer, 13 West Huron St., Buffalo, N. Y.

**Philadelphia, Pa.**—Mt. Zion Baptist Church, church, to seat about 700; architect, David S. Gendell, 2219 Chestnut St.

**Green St.** below Twenty-fourth St., stone church; owners, Augustinian Fathers.

**Thompson St.**, n Orthodox St., one-st'y frame Polish R. C. Church; contractor, Frank T. Wintz, 1618 North Twenty-seventh St.

**Pittsburgh, Pa.**—Atlantic Ave., church for the congregations of the Sacred Heart and St. Mary's; cost, about \$100,000.

**Tampa, Fla.**—The Hebrews contemplate the building of a temple, to cost \$25,000.

**Vance's Mills, Pa.**—A new Presbyterian Church.

**James A. Miller  
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Slate  
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Chicago.

### BUILDING INTELLIGENCE.

(Churches Continued.)

**Washington, D. C.**—Broadway and Fifteenth St., St. Paul's Church; architect, Philip N. Dwyer.

**Fourth St.**, new M. E. Church will be built; cost, about \$40,000.

The building of a church, to cost \$35,000, is contemplated by the Fourth St. M. E. Church.

**West Washington, D. C.**—Stone church for the Georgetown Baptist Church; architect, W. Bruce Gray.

Ground is being broken for the laying of the corner-stone of the new St. Matthew's Church.

### FACTORIES.

**Atlanta, Ga.**—Canning-factory; George E. Hoppie.

**Barstow, Texas.**—Canning-factory will be built by a company with a capital of \$30,000; owner, John McKillap.

**Chicago, Ill.**—William Ilett, three-st'y factory, 147 South Clinton St.; cost, \$5,000.

**La Grange, Ga.**—Canning-factory; F. M. Langley.

**Lane Park, Fla.**—Fertilizer-factory to be built by R. & H. M. Frith.

**Mobile, Ala.**—Blind, door and sash factory for F. C. Turner & Co.

**Newman, Va.**—The Newman Ice-factory Co. will build a factory; W. C. McBride, Jr.

**Owensboro, Ga.**—Tobacco-factory to be built by J. D. Elliott, of Henderson.

**Panolia, Ga.**—The factory of the Southern Cotton Yarn Manufacturing Company will be rebuilt.

**White Plains, Ga.**—The factory owned by W. L. Grant & Son will be rebuilt.

### HOTELS.

**Alexandria, Va.**—Hotel; owners, Highland Beach Hotel Co.; C. R. Douglass, President.

**Germantown, Pa.**—Three-st'y brick hotel; owner, Patrick Shields; contractor, A. S. Tourison, Mount Airy.

### HOUSES.

**Allston Heights, Mass.**—Ridgmont St., frame dwell., 30' x 40'; owner, Mrs. Helen T. Dowling;



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Manufacture all their products, both in

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BEAMS, CHANNELS, ANGLES, ZEEs, TEES, ANGLE  
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to  
20 inches  
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Metallic Roofing Tiles, Building Specialties, Builders'  
Light Iron Work of every description.

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PHILADELPHIA, PA.

#### BUILDING INTELLIGENCE.

(Houses Continued.)

builder, A. E. Ellis; architect, Eugene L. Clark,  
Boston.

Quaint Ave., frame dwell., 30' x 40'; owner, H. M.  
Whittemore; builder, C. S. Allen; architect, Eugene  
L. Clark, Boston.

Baltimore, Md.—E. J. Gallagher, 8 three-st'y brick  
buildings, w s Robert Ave., n North Ave.

Geo. Baraschmidt, three-st'y brick building, s w  
cor. North Ave. and Broadway.

Geo. Kramer, 2 two-st'y brick buildings, s s Lex-  
ington St., beg. s w cor. Forrest St.

Hy. Horlanus, three-st'y brick building, s w cor.  
Harrison and Lexington Sts.

J. F. Butterbaugh, three-st'y brick building, n e  
cor. Stricker and Pratt Sts.

Chas. Milke, 7 two-st'y brick buildings, w s Pratt  
St., bet. Fairmount Ave. and Baltimore St.

Holbrook and Lansdale Sts., 10 two-st'y brick  
dwell.; contractors, H. E. Cook & Bro.

Lexington St., 2 two-st'y brick dwell.; contractor,  
Benjamin Miller.

North Carrollton Ave., No. 722, three-st'y brick  
dwell.; contractor, Albert Meid.

Mt. Royal Ave., 10 four-st'y brick dwell.; con-  
tractor, S. D. Hutt.

Fairmount Ave., 4 two-st'y brick dwell.; con-  
tractor, Chas. Milke.

Eutaw St., 5 three-st'y brick dwell.; contractor,  
James Arthur.

James St., 4 two-st'y brick dwell.; contractor, V.  
E. Semp.

Hallam St., 4 two-st'y brick dwell.; contractor,  
John S. Moke.

Boston, Mass.—Gloucester St., cor. Beacon St.,  
Ward 11, three-st'y brick dwell., flat roof, 32' x 78';  
owner, W. C. Loring; builders, W. A. & H. A. Root.

Deerfield St., near Bay State Road, Ward 22, brick  
dwell., 49' x 52'; owner, F. C. Welch; builders, Neal  
& Preble.

Beacon St., No. 506, Ward 22, four-st'y brick  
dwell., pitch roof, 25' x 70'; owner, V. Y. Bowditch.

Belfort St., cor. Auckland St., Ward 21, frame  
dwell., 39' x 43'; owner, E. S. Evans; builder, J. S.  
Eaton.

East Ninth St., No. 598, Ward 14, three-st'y frame  
dwell., flat roof, 22' x 40'; owner, Martin J. Devine;  
builder, C. W. Nickerson.

Orchard Pl., near Boston St., Ward 24, three-st'y  
frame dwell., flat roof, 28' x 53'; owner and builder,  
W. H. Cavanagh.

Adams St., near Robinson St., Ward 24, three-st'y  
frame dwell., pitch roof, 34' x 41'; owner, Adeline  
E. Seavey; builders, Howard Bros.

Marguel St., near Milton Ave., Ward 24, frame  
dwell., 24' x 49'; owner, Mrs. Susan Hardy; builders,  
Chute & Bagloe.

Kilton St., near Wheatland Ave., Ward 24, frame  
dwell., 23' x 31'; owner and builder, G. L. Davidson.

Glen Road, rear, near Forest Hills St., Ward 23,  
frame dwell., 31' x 55'; owner, Mrs. C. L. Dudley;  
builder, John Alden.

Forbes St., near Chestnut Ave., Ward 23, three-  
st'y frame dwell., flat roof, 20' x 39'; owner, G. H.  
Mitchell; builder, Fritz Keuner.

Howard St., No. 613, cor. Julian Ave., Ward 20,  
frame dwell., 24' x 29'; owner and builder, G. A.  
Clifford.

Norfolk St., No. 100, Ward 24, frame dwell., hip  
roof, 25' x 40'; owner and builder, W. B. Wallis.

Locette St., near Centre St., Ward 23, frame  
dwell., 22' x 35'; owner, F. E. Ames; builders,  
Willis Bros.

Julian Ave., near Howard Ave., Ward 20, frame  
dwell., 24' x 26'; owner and builder, G. H.  
Clifford.

Cobasset St., near Corinth St., Ward 23, frame  
dwell., 26' x 30'; owner, B. F. Cobleigh, Jr.;  
builder, W. Swanson.

Whitfield St., near Southern Ave., Ward 24, frame

## Iron-Work.

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#### BUILDING INTELLIGENCE.

(Houses Continued.)

dwell., 25' x 35.6'; owner, Miss C. Deoule; builder,  
John Gillis.

Mt. Hope St., near Bradford Ave., Ward 23, frame  
dwell., 24' x 36'; owner, Sarah T. Morton; builder,  
H. F. McNeil.

Mt. Hope Ave., near Blue Hill Ave., Ward 24,  
frame dwell., 34' x 46'; owner, W. W. Crawford;  
builder, Augustus Crawford.

Henshaw St., near Centre St., Ward 23, two frame  
dwell., hip roofs, 15' 6" x 45' and 23' 6" x 38'; owner,  
C. W. Whittemore; builders, Willis Bros.

Dorchester Ave., Nos. 846-848, Ward 24, 2 three-st'y  
frame dwell., flat roofs, 23' x 49'; owner, J. F.  
Lynch; builder, P. Schneider.

Rusk St., near Weld St., Ward 23, three-st'y  
frame dwell., hip roof, 27' 8" x 32.8'; owner and  
builder, J. S. Bailey.

Pomfret St., near Weld St., Ward 23, three-st'y  
frame dwell., gambrel roof, 31.9' x 40.6'; owner and  
builder, J. S. Bailey.

Maywood Terrace, near Maywood St., Ward 21,  
three-st'y frame dwell., pitch roof, 23' x 42'; owner  
and builder, W. Donaldson.

Magfield St., near Bellevue St., Ward 23, frame  
dwell., 25' x 39'; owner, T. R. Traak; builders, Fitch  
& Saunders.

Anawan Ave., near Park St., Ward 23, frame  
dwell., 20' 6" x 26.6'; owner, M. D. Klingman; builder,  
M. H. Fassett.

Bowdoin St., Nos. 81-85, Ward 24, two frame  
dwell., 26' 6" x 34'; owners, Workmen's Building  
Association; builder, J. D. McKeelan.

Leonard Ct., near Leonard St., Ward 24, two-st'y  
frame dwell., flat roof, 18' x 26'; owner and builder,  
G. W. Bartlett.

Pontine St., cor. Batchelder St., Ward 20, three-  
st'y frame dwell. and store, flat roof, 28' x 78';  
owner, W. Hanrahan; builder, Samuel Kantin.

Waldeck St., near Park St., Ward 24, frame  
dwell., gambrel roof, 24' x 34.6'; owner and builder,  
A. L. Jewell.

Washington St., near Bowdoin St., Ward 24, three-  
st'y frame dwell., pitch roof, 24' x 48'; owner and  
builder, W. Donaldson.

Brooklyn, N. Y.—Sheridan Ave., e s, 125' s Adams  
Ave., 8 two-st'y frame dwell., tin roofs; cost, \$2-  
000 each; owner, John Barrett, Milford St.

Barbey St., w s, 50' n Fulton Ave., two-st'y frame  
dwell., tin roof; cost, \$3,500; owner, Henry Kam-  
mann, Ridgewood, L. I.; architect, Louis F. Schil-  
linger, 581 Liberty Ave.

Park Pl., n s, 275' e Underhill Ave., 4 two-and-  
one-half-st'y brick dwell., tin roofs; total cost,  
\$28,000; owner, E. H. Mowbray, Bath Beach, L. I.

Ralph St., s s, 100' e Hamburg Ave., 3 three-st'y  
frame dwell., tin roofs; cost, \$4,000; owner and  
architect, A. Berckmeyer, 1461 Greene Ave.

Chicago, Ill.—H. Hurlburt, 2 two-st'y dwell., 611-  
613 Sixty-sixth St.; cost, \$9,000.

Dr. Karyan, three cottages, 2818 West Forty-  
second St., and 2009 and 2023 West Forty-third St.;  
cost, \$5,000.

A. B. Spuch, two-st'y dwell., 6631-6633 Harvard  
St.; cost, \$5,000.

H. M. Hooker, two-st'y dwell. and barn, Church  
Pl. and Kandel Ct.; cost, \$7,000.

Cincinnati, O.—Henry Haverkamp, two-and-one-  
half-st'y brick and stone dwell., n s Harrison Ave.;  
cost, \$2,500; architect, E. H. Dornette.

F. & H. Peters, two-and-one-half-st'y brick and  
stone dwell., e s Glendon Ave.; cost, \$3,200; archi-  
tects, Reig & Maury.

Mrs. H. F. Carson, two-and-one-half-st'y brick  
and stone dwell., s w Poplar St.; cost, \$7,000; archi-  
tects, J. H. Boll & Co.

S. M. Cooper, two-and-one-half-st'y frame dwell.,  
s s Fairfax Ave.; cost, \$3,000; architect, W. C.  
Lawrence.

Galthersburg, Md.—Dwell.; owner, Mrs. J. Thomp-  
son; contractor, E. D. Kingsley.

Melrose, Pa.—Two frame and brick cottages, owners,  
Melrose Land Improvement Co.; architects, Yarnell  
& Goforth, 14 South Broad St.

#### BUILDING INTELLIGENCE.

(Houses Continued.)

Stone dwell.; owner, Mr. Reed; architects, Yarnell  
& Goforth.

Morton, Pa.—Three-st'y stone and frame rectory  
for the P. E. Church; contractor, A. C. Lewis,  
Lecane, Pa.

New York, N. Y.—Mount Hope Pl., s s, 50' e Fleet-  
wood Pl., three-st'y brick and frame dwell., shingle  
roof; cost, \$5,000; owner, Katharine Newmann, 985  
Third Ave.; architect, Henry Fouchaux, Eleventh  
Ave. and One Hundred and Sixty-second St.

W. H. Hester Ave., n s, 322' e Prospect Ave., three-  
st'y brick and frame dwell., tin roof; cost, \$5,000;  
owner, Ellen Chambers, Bassford Ave. near One  
Hundred and Sixty-fifth St.; architect, J. De Hart,  
Fox St. near One Hundred and Sixty-fifth St.

Samuel St., s e cor. Honeywell Ave., three-st'y  
stone and frame dwell., shingle roof; cost, \$40,000;  
owner, Hannah Sloane, Honeywell Ave.; architect,  
Charles S. Clark, 719 East One Hundred and Seventy-  
seventh St.

One Hundred and Sixty-third St., s s, 91' e Morris  
Ave., 2 three-st'y brick and frame dwell., tin roofs;  
cost, \$4,000; owner, Mary Ogden, 501 East One Hun-  
dred and Sixty-second St.; architect, Andrew  
Spence, 163 East One Hundred and Twenty-fifth St.

St. Nicholas Pl., w s, 4' n One Hundred and  
Fiftieth St., four-st'y brick dwell., mansard slate  
and tin roof; cost, \$25,000; owner, Fred Scheek, 18  
St. Nicholas Pl.; architect, Frank Wenemere, 204  
East Eighty-sixth St.

Overbrook, Pa.—Lancaster and City Aves., three  
stone and frame dwell.; contractors, Wendell &  
Smith.

Lancaster Ave., e City Lane, 3 three-st'y dwell.;  
owners, Wendell & Smith.

Philadelphia, Pa.—Woodland Ave., n Cemetery  
Lane, three-st'y brick dwell.; contractor, Joseph  
Timalo.

Salmon St., s e Leiper St., 2 two-st'y brick and  
frame dwell.; contractors, Quin & Crosta.

Belfield Ave., n Penn St., three-st'y stone dwell.;  
contractor, Eli Leach.

Glenwood Ave., bet. Reese and Fairhill Sts., 4 two-  
st'y stone and brick dwell.; contractor, Ludwig  
Lambrecht, 3256 North Fifth St.

Susquehanna Ave., Nos. 1425-7-9, 3 three-st'y  
dwell.; contractor, J. Frantz.

Dennis St., w Wayne Ave., 23 two-st'y brick and  
stone dwell.; contractor, Lloyd Bailey.

Belmont Ave., w s, s City Ave., 5 dwell.; con-  
tractor, J. C. Moore.

Garnet St., s w Somerset St., 3 two-st'y dwell.;  
contractor, James Creighton.

J. J. Ferson St., n s, e Wood St., 3 two-st'y brick  
dwell.; contractors, Wright & Dager.

Herman St., n and s s, w Thirty-second St., 20 two-  
st'y brick and stone dwell.; owner, J. Franklin  
Moss, 2340 North Twenty-ninth St.

Faschal Ave., s s, w Sixty-third St., 3 two-st'y  
dwell.; owner, Casper King, 7008 Woodland Ave.

Sixth St., e s, n Findley St., two-st'y dwell.; con-  
tractor, David Trumbour, Washington Hotel.

Belfield St., e s, n Penn St., three-st'y dwell.;  
contractor, Eli Leach, 4282 Hancock St.

Salmon St., n w s, s e Lefebvre St., 2 two-st'y  
dwell.; owners, Sinn & Crosta, 2831 Church St.

Twenty-fifth and Clarence Sts., 8 two-st'y brick  
dwell.; owner, William Chambers, 2512 West Hunt-  
ington St.

Columbia Ave., s s, w Twentieth St., 4 three-st'y  
dwell.; owner, Sarah J. Newlin.

Chew St., n s, w Upsal St., two-st'y dwell.; con-  
tractor, Jos. M. Ralph, 4534 Knox St.

Thompson St., n Orthodox St., two-st'y parsonage  
contractor, Frank J. Wintz.

Windsor Ave. and Forty-seventh St., 5 three-st'y  
brick and stone dwell.; contractors, McCooch &  
Johnson.

Somerset St., n e s, n w s Memphis St., 60 dwell.;  
owner, Owen McArdle.

Ninth St., n Indiana Ave., 11 two-st'y brick and  
stone dwell.; contractor, Mr. Aschbacher.

Market St., s s, e Fifty-sixth St., 3 two-st'y dwell.;  
owner, Geo. Adams, 13 North Twenty-second St.

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The subject of Builders' Hardware is one which has a direct bearing upon the work of the architect, and is, at the same time, of vital interest to the builder. This book is, however, written primarily for the architect. Our experience has led us to believe that architects, as a rule, seldom go any deeper into the subject than is necessary to decide whether knobs shall be of one material or another, or whether some particular pattern of sashfast will be satisfactory to the owner. It is needless to say that a more extended acquaintance with the subject would do no one any harm, and might even be conducive to much good, if only in the way of providing more fittingly for the needs of the client. This work is not intended, however, to be overcritical in its nature, nor necessarily so exhaustive as to embrace all the inventions and arrangements comprised in the general term of builders' hardware, though an attempt has been made to discriminate between what is merely novel and what is really suitable, and so far as possible the best of everything is noticed under the various heads, and an effort made to represent as nearly as possible the conditions and limitations of the builders' hardware market, as well as to show what is valuable for the uses of the architect.

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BOSTON,

## BUILDING INTELLIGENCE.

(Stables Continued.)

Nice St., w s, n MacFarran St., two-sty stable; contractor, A. J. Dickinson, 3913 Germantown Ave.  
Tacony, Pa. — Washington St., e s, n Milner St., stable; owner, Chas. E. Haigh.

## STORES.

Brooklyn, N. Y. — Thatford Ave., s e cor. Belmont Ave., four-sty brick store and dwell., tin roof; cost, \$15,000; owner and builder, Louis Rattner, cor. Belmont and Thatford Aves.; architects, A. J. Warren & Co., 2581 Atlantic Ave.  
Atlantic Ave., s w cor. Jerome St., three-sty frame store and dwell., tin roof; cost, \$5,000; owner, Louis Tebbe, Schenck and Glenmore Aves.; architect, Chas. Infanger, Atlantic and Van Sien Aves.  
Chicago, Ill. — Mary Peterson, two-sty store and flats, 6046 Center Ave.; cost, \$3,000.  
C. Kuske, two-sty store and dwell., 4556 Paulina St.; cost, \$3,000.  
George Upp, two-sty store and dwell., 4655 Gross Ave.; cost, \$3,000.  
M. & F. Hopp, three-sty store and flats, 635 Sixty-third St.; cost, \$5,000.  
Henry Geyer, two-sty store and flats, 301 Roscoe Boulevard; cost, \$3,000.  
George Pakur, three-sty store and flats, 1298 Ogden Ave.; cost, \$6,000.  
Edentown, N. C. — About \$100,000 will be expended in the building of stores, etc., in place of those recently burned.

## TENEMENT-HOUSES.

Boston, Mass. — Chambers St. Extension, near Burton St., Ward 5, four-sty brick tenement, flat roof, 28.6' x 34.5'; owner, Miss K. H. Holden.

## WAREHOUSES.

Baltimore, Md. — The Terminal Warehouse Co. will build six-sty brick warehouse, s w cor. North and Pleasant Sts.  
Chicago, Ill. — Detroit Stove Co., five-sty warehouse, 2921-2929 La Salle St.; cost, \$30,000.

## MISCELLANEOUS.

Atlanta, Ga. — Cotton-mill will be built; Thomas Camp.  
Boston, Mass. — New Heath St., cor. Parker St., and an unnamed St., Ward 22, two-sty frame factory, flat roof, 28' x 33' 6"; owner, Daniel Sullivan; builder, H. H. McLean.  
Walkhill St. (Pierce Farm), Ward 23, brick boiler-house, 40' x 51'; owner, City of Boston; builder, John French.  
Camden, N. J. — Fifth St., truck-house; contractor, William Severns.  
Cincinnati, O. — Hauke Bros., three and four sty brick building, 19-21 Hunt St.; cost, \$10,000; architect, Louis Picket.  
Fort Worth, Tex. — An Oil Milling Co. with a capital of \$75,000 will build a cotton-seed mill; S. B. Burnett, President.  
Harrisburg, Pa. — The contractors for the new State Library and Capitol Building are Doyle & Doak.  
Jenkentown, Pa. — An additional pumping-station to be constructed by the Water Co.  
Lockhart, Tex. — The Lockhart Oil Mill and Power Co., will build a cotton-seed mill; Wm. M. Steel, President.  
Orange, Tex. — Saw-mill to be built; for particulars inquire of Mr. A. Gullmer.  
Philadelphia, Pa. — The Northeast Branch of the Young Men's Christian Association laid their corner-stone at Frankford Road and Norris St.; architects, Hazellhurst & Huckle.  
Broad and Cherry Sts., is the site determined upon for the United States Mint.  
Thompson St., near Thirty-first St., stock-house; owners, Arnolt & Schaefer Brewing Co.  
Buildings to cost about \$125,000; owners, Atlantic Refining Co., Point Breeze.  
Armat St., e Main St., one-sty boiler-house.  
Commerce St., foot of, one-sty brick and stone engine-house and kiln; owners, Vulcanite Paving Co.  
Port Larcia, Tex. — Wharves and warehouses to be built at this place by the Larcia Wharf and Warehouse Co.; M. S. McMahon, President.  
Raleigh, N. C. — The plant belonging to the Ice Company will be rebuilt.  
Ryer Ridge, Ala. — Saw-mill will be rebuilt; owner, J. H. Johnson.  
St. Louis, Mo. — Eames & Young, architects, have prepared plans for the Essex Realty Co. for a two-sty brick, stone and marble bank-building, to cost \$25,000.  
St. Thomas, Fla. — Saw-mill; owner, E. P. Anderson, Wasatchie, Tex.  
Swarthmore, Pa. — Town-hall; contractor, S. E. Horner.

## BUILDING INTELLIGENCE.

(Houses Continued.)

Susquehanna Ave., 3 three-sty dwells.; owner, J. Franz, 2336 North Broad St.  
Hancock St., s Indiana Ave., 24 two-sty dwells.; owner, T. W. Smaltz, 1545 Hutchinson St.  
Dennis St., s s, w Wayne St., 23 two-sty dwells.; owner, Loyd Bailey, 2613 North Fourth St.  
Providence, R. I. — Hamilton St., n e cor. Congress Ave., two-and-one-half-sty frame dwell.; cost, \$4,000; owner, Mrs. Claretta Gardiner; builder, J. A. Wells.  
Diman Pl., two-and-one-half-sty frame double dwell.; cost, \$12,000; owner, Miss F. H. Fisher; architects, Martin & Hall; builders, John Gray & Bro.  
Roselyn, Pa. — Two brick and stone dwells.; architect, Plummer E. Jefferies, West Chester.  
Sandy Lake, Pa. — Main St., dwell.; owner, Edward Sullivan.  
Somerville, Mass. — (Spring Hill) Belmont St., frame dwell., 30' x 45'; owner, Joseph K. James; builder, Thomas F. Farrington; architect, Thomas M. James, Boston.  
St. Louis, Mo. — Two two-and-one-half-sty brick dwells., n s Delmar St., bet. Vandeventer and Sarah Sts.; cost, \$11,000; owner, Mrs. Bell; contractors, Trawell & Sievers.  
Three two-sty dwells., n s Cote Brillante, bet. Pendleton and Newstead Sts.; cost, \$4,900; owner, Sam'l Simmons; contract, sublet.  
Two-and-one-half-sty brick dwell., n w cor. Lemp and Wyoming Sts.; cost, \$5,000; owner, Wm. Kiewe; contractors, Wm. Kiewe & Son.  
Eleven two-sty brick dwells., Sarah and Easton Aves.; cost, \$15,000; owner and contractor, L. Bissant.  
Two-sty dwell., s w cor. John and Emily Sts.; cost, \$4,000; owner, M. Peters; contractor, Giese.  
Two-sty dwell., w s Cora Pl., bet. Easton and North Market Sts.; cost, \$1,800; owner and contractor, E. O. Gale.  
Washington, D. C. — Building to be built near Howard University known as the Home for Friendless Girls; Mrs. Waring, Anacosta, D. C., President.  
Wilkesburg, Pa. — Dwell.; owner, Abram Moore.  
Worcester, Mass. — Dell Ave., one-and-one-half-sty frame dwell.; owner, Mrs. Ass Wheeler; architects, Geo. & J. P. Kingston; contractor, F. J. Goff.  
Greenwood St., one-and-one-half-sty frame dwell.; owner, Olof. Friberg; contractors, Nilson & Silven.  
OFFICE-BUILDINGS.  
Boston, Mass. — Atlantic Ave., cor. India St., Ward 12, five-sty brick office-building, flat roof, 50' x 94'; owners, J. T. Morse, Jr., trustee; builder, James Smith.  
Philadelphia, Pa. — Filbert St., Nos. 1213-1215, office-building; owner, Norris J. Scott; architect, Walter Smedley, 435 Chestnut St.  
SCHOOL-HOUSES.  
Bridgeport, Pa. — School-house; contract for the cellar has been given to Philip Quirk.  
Chicago, Ill. — Board of Education, two-sty school-house, 3646-3648 Englewood Ave.; cost, \$4,000.

## BUILDING INTELLIGENCE.

(School-Houses Continued.)

Board of Education, two-sty school-house, 735-737 McAuley St.; cost, \$4,000.  
Board of Education, two-sty school-house, 7937-7943 Nutt St.; cost, \$4,000.  
Morrisville, Pa. — School-house; contractor, Cheston Hutchinson.  
Morton, Pa. — School-house; architects, Day & Cootes.  
Philadelphia, Pa. — Green and Wood Sts., Grammar School.  
Reading, Pa. — Fifth St., cor. Spring St., a school will be built.  
Scotland, Pa. — An Industrial School will be started to cost \$150,000.  
STABLES.  
Baltimore, Md. — Wm. Keyser will build two-sty brick stable, rear e s Calvert St., bet. Chase and Biddle Sts.  
Boston, Mass. — Blue Hill Ave., No. 58, Ward 20, frame stable, 20' x 30'; owner, Cornelius Cotter; builder, James Scott.  
Fuller St., rear 21, Ward 24, frame stable, 20' x 20'; owner, Mrs. C. Cobb.  
Bryn Mawr, Pa. — Three stables, storehouse, etc.; owner, B. Frank Clyde; architect, T. Roney Williamson, 136 South Fourth St.  
Holmsburg, Pa. — Bristol Pike, e s, s Hoffnagle St., one-sty stable; owner, J. W. Ringrose.  
New York, N. Y. — West Twenty-second St., No. 528, three-sty brick stable, tin roof; cost, \$12,000; owner, Seth H. Bevis, 19 South William St.; architects, Thom & Wilson, 1267 Broadway.  
One Hundred and Seventh St., s s, 200' w Columbus Ave., three-sty brick stable, tin roof; cost, \$8,000; owner, J. Henry Hasse, 942 Columbus Ave.; architect, G. Hall Anderson, 102 West Ninety-second St.  
Overbrook, Pa. — Stable; owner, Mr. Percy Simpson; architects, Baily & Truscott, 136 South Fourth St.  
Paschalville, Pa. — Island Road, n w cor. Paschal Ave., one-sty stable; owner, Samuel Hawkins.  
Philadelphia, Pa. — American St., e s, n Tabor St., two-sty stable; contractor, L. Artemus Olney.  
Susquehanna Ave., e s, n Jefferson St., stable; contractors, F. G. Hooper & Son, 703 Jayne St.  
Forty-sixth St., n e cor. Darby Road, stable; contractor, E. Beam, 1421 South Forty-seventh St.  
Chestnut St., w s, e Thirty-sixth St., two-sty stable; contractor, James Bradley, 40 North Thirty-eighth St.  
Seventieth St. and Woodland Ave., stable; owner, John T. Fisher, Seventieth St. and Woodland Ave.  
Frankford Ave., w s, n Oxford Pike, two-sty stable; contractors, R. C. Winnals & Bro., 1628 Margaretta St.  
Sixth St., e s, n Pike St., two-sty stable; owner, John Miller, 3919 North Sixth St.  
State Road and Longshore St., stable; owner, Jas. Leary, State Road and Longshore St.  
Luckawana St., n w cor. Orthodox St., two-sty stable; contractor, George M. Hill, 4160 Orchard St.



## (Miscellaneous Continued.)

Worcester, Mass.—College Hill, one-story brick boiler-house; owners, Holy Cross College; contractor, U. Jacques; architects, Fuller & Delano.

## PROPOSALS.

## SCHOOL-BUILDING.

(At Milton, Mass.)

Proposals for the erection of the school-building to be erected on Church Street, East Milton, addressed to Mr. J. Merrill Browne, Chairman of the School Board, Milton, Mass., and endorsed "Proposal for the Erection of a School-building in East Milton," will be received at the office of the School Board, Centre School-building, Milton, until 7 P. M., on Friday, October 20, 1893, and at that time will be opened and read.

The prices proposed must be stated both in writing and in figures, and each proposal must be signed by the bidder.

The amount and character of the securities for the fulfillment of the contract will be determined by the Board after the proposals are opened.

The person or persons to whom the contract may be awarded will be required to appear 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.

Specifications and plans may be seen at the School Committee Office, Centre School-building, or at the residence of the Secretary of the Board, Miss E. F. Ware, Adams Street, between the hours of twelve and two o'clock; also at the office of the architect, H. H. Atwood, 53 State Street, from nine to five daily.

The Board reserves the right to reject any and all bids, should the Board deem it for the interest of the town of Milton so to do.

J. MERRILL BROWNE,  
Chairman Milton School Board.

929

## CITY-HALL.

(At Paterson, N. J.)

Sealed proposals will be received at this office until 1 o'clock P. M., on Wednesday, October 25, 1893, and then opened, for furnishing materials and doing labor for the proposed City-hall, Paterson, N. J., in accordance with drawings and specifications, copies of which may be seen at the offices of the Commission and at the offices of the architects, Carrère & Hastings, 41 and 46 Broadway, New York City, on and after Monday, October 2, 1893.

Each bid must be accompanied by a certified check to the amount of one per cent of the bid.

The right is reserved to reject any and all bids, and to waive any defect or informality in any bid, should it be deemed in the interest of the municipality so to do.

Should any bidder desire a set of plans and specifications, they will be forwarded by the Secretary on the receipt of \$15.

Proposals must be on form procured either from the City-hall Commission or from the architects, enclosed in sealed envelopes and addressed to the Secretary, and endorsed "Proposals for City-hall, Sub-division No. —, Paterson, N. J."

WALTER BEVERIDGE,  
Secretary,

Room 13, Paterson Savings Institution,  
Cor. Main and Market Sts., Paterson, N. J.

929

Treasury Department, Office Supervising Architect,

## (Proposals Continued.)

Washington, D. C., October 9, 1893. Sealed proposals will be received at this office until 2 o'clock P. M. on the 31st day of October, 1893, and opened immediately thereafter, for all the labor and materials required for the extension of the low-pressure steam heating and ventilating apparatus, reconstructing part of the old apparatus and for furnishing new power boiler for the United States Court-house, Post-office, etc., building at Dallas, Texas, in accordance with the drawings and specification, copies of which may be had at this office or the office of the Superintendent at Dallas, Texas. No convict labor nor any product of convict labor will be allowed in the work. Each bid must be accompanied by a certified check for a sum not less than two per cent of the amount of the proposal. The right is reserved to reject any or all bids, and to waive any defect or informality in any bid, if it be deemed in the interest of the Government to do so. All proposals received after the time stated will be returned to the bidders. Proposals must be enclosed in envelopes, sealed, and marked "Proposal for the Extension of the Low-pressure Steam Heating and Ventilating Apparatus, Reconstructing part of the Old Apparatus and also for Power Boiler for the United States Court-house, Post-office, etc., building at Dallas, Texas," and addressed to JEREMIAH O'ROURKE, Supervising Architect.

Treasury Department, Office Supervising Architect, Washington, D. C., October 3, 1893. Sealed proposals will be received at this office until 2 o'clock P. M. on the 25th day of October, 1893, and opened immediately thereafter, for all the labor and materials required for the erection and completion of the electric-light building at the United States Marine Hospital, Portland, Maine, in accordance with the drawings and specification, copies of which may be had at this office or at the office of the surgeon in charge at Portland, Maine. No convict labor nor any product of convict labor will be allowed in the work. Each bid must be accompanied by a certified check for a sum not less than two per cent of the amount of the proposal. The right is reserved to reject any and all bids, and to waive any defect or informality in any bid, if it be deemed in the interest of the Government to do so. All proposals received after the time stated will be returned to the bidders. Proposals must be enclosed in envelopes sealed and marked "Proposal for Electric-light Building at the United States Marine Hospital, Portland, Maine," and addressed to JEREMIAH O'ROURKE, Supervising Architect.

Treasury Department, Office Supervising Architect, Washington, D. C., September 30, 1893. Sealed proposals will be received at this office until 2 o'clock P. M. on the 24th day of October, 1893, and opened immediately thereafter, for all the labor and materials required for the joinery-work, wood flooring, marble-work, vault-doors, concrete and cement floors, etc., for the United States Post-office, Court-house, etc., building at Troy, N. Y., in accordance with the drawings and specification, copies of which may be had at this office or the office of the Superintendent at Troy, N. Y. No convict labor nor the product of any convict labor will be allowed in the work. Each bid must be accompanied by a certified check for a sum not less than two per cent of the amount of the proposal. The right is reserved to reject any and all bids, or to waive any defect or informality in any bid, if it be deemed in the interest of the Government to do so. All bids received after the time stated will be returned to the bidders. Proposals must be enclosed in envelopes sealed and marked "Proposal for the Joinery-work, Wood Flooring, etc., for the United States Post-office, Court-house, etc., at Troy, N. Y.," and addressed to JEREMIAH O'ROURKE, Supervising Architect.

## "CAPITAL"

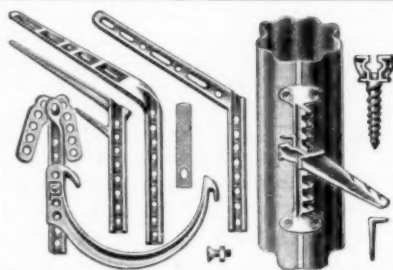
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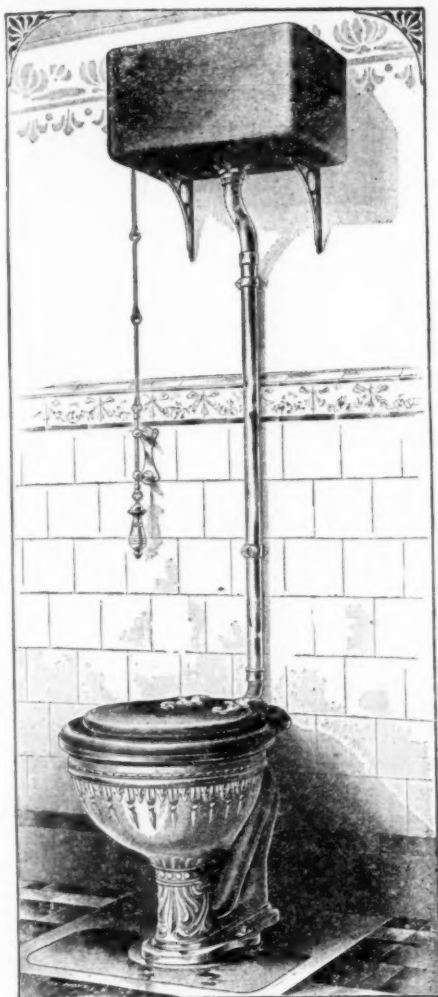
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PLATE 1134-G.

# The J. L. MOTT IRON WORKS,

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## "THE PRIMO" Patent Direct Action Syphon Jet Water-Closet, With "PERFECTO" Seat.

### THE "PERFECTO" SEAT.

(Patent applied for.)

WALL-LINE



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THE PRIMO SYPHON-JET WATER CLOSET  
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Primo, and architects and plumbers can guar-  
antee it to their clients and customers. The  
earthenware is made by the best potters in the  
world, T. C. Brown, Westhead, Moore & Co.  
The bowl contains a large body of water and  
the water seal is nearly 5 inches, affording  
an effectual barrier to sewer gas. The Per-  
fecto Seat is secured directly to the closet,  
is artistic in appearance, requires no wall  
brackets, and leaves the space behind and all  
parts of the bowl free for cleansing. Illus-  
trated Price-List mailed on application.

"THE CAST SINK MUST GO"

THE COLUMBUS **SINK** DISPLACES,  
WROUGHT STEEL ALL OTHERS

PAINTED, GALVANIZED, ENAMELLED.

\* Send for descriptive circular and prices, to  
The Kilbourne & Jacobs Mfg. Co.  
Sole Manufacturers. - COLUMBUS, OHIO.

## MOORE'S GAS JET VENTILATOR.



INSURES  
AT  
ALL TIMES  
THOROUGH  
VENTILATION.

HAINES, JONES & CADBURY CO.,  
Sole Manufacturers,  
1136 Ridge Ave., PHILADELPHIA.

Put into the White House by the U. S. Government.



SEALS WITH OR  
WITHOUT WATER

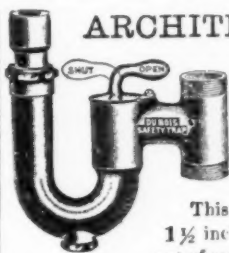


CUELL  
Anti-Syphon Trap

For venting, use vent-top.

For venting, use vented outlet

F. E. CUELL'S  
PATENT SEWER-GAS AND BACK-WATER TRAP,  
For Wash-Bowls, Sinks, Bath and Wash-Tub  
West Cleveland, O.



ARCHITECTS, BUILDERS and PLUMBERS

SHOULD EXAMINE THE

## Du Bois "SAFETY" TRAP

An Entirely New Article in the Plumbing Line.

This Trap is made of brass, either polished or nickel-plated, in one size only  
(1 1/2 inch). It is the only Trap having an appliance that will keep sewer-gas  
out of vacant houses and unused rooms.

## "EJECTOR" Faucets

For the finest, first-class work; made only of bronze composition, and all plating is  
extra heavy; has no packing and yet never leaks.

DRAWN LEAD TRAPS AND BENDS.

## McCLELLAN Anti-siphon Trap Vent.

This Vent affords absolute security against trap siphonage in all situa-  
tions and under all conditions liable to occur in plumbing practice.  
Used exclusively in the Lavatories in the Buildings of the World's Fair, Chicago.

For Descriptive Catalogue, address

Du Bois Manufacturing Co.,  
245 Ninth Avenue - New York.



New  
Form, with  
Glass  
Bottom.

## BUILDING SUPERINTENDENCE.

THE BEST AND LATEST TREATISE ON

AMERICAN PRACTICE IN BUILDING,

Clear, Reliable, and Complete.

Price, \$3.00.

TICKNOR & CO., 211 Tremont Street, Boston, Mass.





TROY, N.Y.  
PATD FEB 29 1876  
MAY 9 1876  
MAY 29 1888.

# THE MAN AT THE FURNACE

GETS HOT INSIDE AND OUT

when the fickle wind blows fire and smoke into his face.

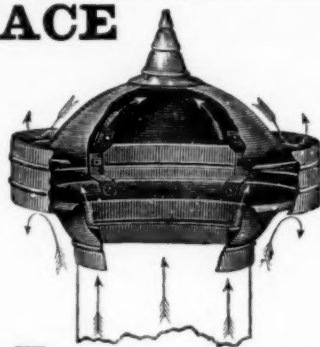
IT SAVES SWEARING

in such cases to put a **GLOBE VENTILATOR** on the chimney and create a steady upward current.

**GLOBE VENTILATOR CO.,**

OFFICE: 203 River Street,

TROY, N. Y.



TO ARCHITECTS,  
BUILDERS  
AND OWNERS.

Attention is called to Fireproof and Vermin-Proof

## MINERAL WOOL,

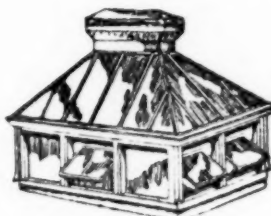
As a Lining in Walls and Floors for preventing the

ESCAPE OF WARMTH AND THE DEADENING OF SOUND.

SAMPLE AND CIRCULARS FREE.

U. S. MINERAL WOOL CO., 2 Cortlandt St. New York.

## THE BROOKLYN Metallic Skylight Works.



JOHN SETON, 78 and 80 Washington Ave.  
BROOKLYN, N. Y.  
Prices given on application.

Specify the **"CLEAN SWEEP"** NON-SIPHON  
SEWER-GAS TRAP  
Send for Illustrated Catalogue.  
DETROIT SANITARY SUPPLY CO. 39 to 41 First Street, DETROIT, MICH.

## BOSTON FIRE-BRICK WORKS.

## The Boston Brick Ashlar.

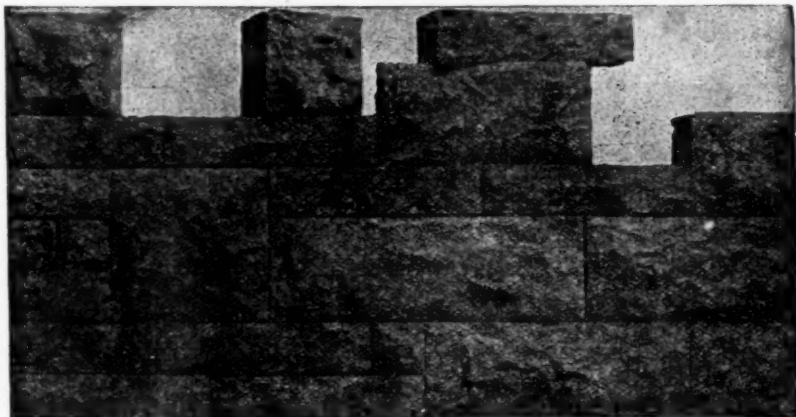
### FRONT BRICK

BUFF, BROWN, MOTTLED YELLOW,  
GRAY, OLD GOLD AND  
OTHER COLORS.

## BOSTON TERRA-COTTA COMPANY.

### Architectural Terra-cotta

In all its varied colors and forms.



G. M. FISKE'S PATENTS, 415,772, 415,773 and 415,774. November 26, 1889.

## FISKE, HOMES & CO.,

MANAGERS,

Factories on Federal Street and  
at South Boston.

Office, 164 Devonshire St., Boston.  
Times Building, Park Row, New York.  
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This new and unique form of Brick or Terra-cotta Work is furnished  
in all colors known in clay manufacture, and in great variety  
of form and finish, by the following

LICENSEES:

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THE NORTHWESTERN TERRA-COTTA CO., Chicago, Illinois.

[See Alphabetical Index on page XVI for Pagination.]

## Classified Advertisements.

[Advertisers can be indexed only under a single head free of charge].

**Air Valves.** Hodge Bros., Boston, Mass.  
**Antimonia.**  
W. H. Schieffelin & Co., New York, N. Y. (cow)  
**Annunciators.**  
W. H. Schieffelin & Co., New York.  
**Architects.**  
Barry & Truett, Philadelphia, Pa. (mon)  
**Architect's Materials.**  
Front & Adams, Boston  
**Architectural Sheet-Metal Ornamental Works.** W. H. Mullins, Salem, O.  
**Artificial Stone.**  
Wells Pavement Co., New York, N. Y. (cow)  
**Asbestos Felt & Boiler Coverings.**  
H. W. Johns Mfg. Co., New York  
**Asbestos Felt.** H. F. Watson Co., Erie, Pa.  
**Asbestos Paint.**  
H. W. Johns Mfg. Co., New York  
**Asphalt.**  
Neuchatel Asphalt Co., New York  
New York Mastic Works, New York, N. Y.  
**Asphalt Roofing.**  
Warren Chemical & Mfg. Co., New York  
**Basin Cocks.**  
Stebbins Mfg. Co., Brighton, Mass. (cow)  
**Bath-Tub.**  
Fred F. Buschhoff & Co., Chicago, Ill. (mon)  
Miller & Coster, New York  
J. L. Mott Iron Works, New York  
Standard Mfg. Co., Pittsburgh, Pa. (cow)  
**Bells.**  
Baker Bell Co., Boston, Mass.  
U. S. Tubular Bell Co.  
**Bine Prints.**  
Squidings & Sons, Boston, Mass. (cow)  
**Boilers.**  
Babcock & Wilcox Co., New York  
Randolph & Claes, Watertown, Conn.  
**Books and Journals.**  
Babcock & Wilcox Co., New York

**Books and Journals.** (Continued.)  
Am. T. Comstock, New York  
Hawling & Spillmeier, New York, N. Y.  
"Kearney & Co., Boston  
**Brass Goods.**  
J. B. Shannon & Sons, Philadelphia. (mon)  
**Brick Ashlar.**  
Fiske, Homes & Co., Boston  
**Brick (Colored).**  
Jarden Brick Co., Philadelphia, Pa.  
**Brick (Ornamental).**  
Fleming Cement & Brick Co., New York. (cow)  
W. H. Gates, Boston, Mass. (cow)  
Hydraulic Press Brick Co., St. Louis  
Peerless Brick Co., Philadelphia, Pa.  
Waldo Bros., Boston  
**Brick Machine.**  
The Frey, Sheckler Co., Bucyrus, O. (cow)  
**Bronze Work.**  
Bureau Bros., Philadelphia, Pa.  
M. J. Power, New York  
**Bronze and Brass Work.**  
Paul & Cabaret, New York, N. Y.  
**Building Felt (Fire and Waterproof).**  
H. W. Johns Mfg. Co., New York  
**Building Papers.**  
H. F. Watson Co., Erie, Pa.  
**Ceilings (Metal).**  
New York Metal Ceiling Co., New York, N. Y.  
H. S. Northrup, New York, N. Y. (mon)  
The Kinross & Gager Co., Columbus, O. (cow)  
**Cement (Hydraulic).**  
F. O. Norton Cement Co., N. Y.  
**Cement.**  
Allen's Cement Works, New York, N. Y. (cow)  
Brooks, Shoolbridge & Co., New York  
Fleming Cement & Brick Co., New York. (cow)  
Johnson & Wison, New York  
J. B. King & Co., New York  
Lawrence Cement Co., New York, N. Y.

**Cement.** (Continued.)  
Ch. F. Ingers, New York, N. Y.  
**Chimney Tops.**  
H. M. Hansen, Chicago, Ill. (mon)  
**Chrome Steel Castings.**  
Chrome Steel Works, Brooklyn, N. Y. (cow)  
**Clay Shingles.**  
Clay Shingle Co., Indianapolis, Ind.  
**Conductors (Water).**  
W. Austin Oddyke & Co., Philadelphia  
Boston Spiral Tube Works, Boston  
Sealed Standing-Seam Conductor Co.,  
Allegheny, Pa.  
**Conservatories.**  
Lord & Barnham Co., Irvington-on-Hudson,  
N. Y.  
**Consulting Engineer.**  
George H. H. New York, N. Y.  
**Contracting.**  
Flynt Building & Construction Co., Palmer,  
Mass.  
**Cordage.**  
Samson Cordage Works, Boston. (cow)  
**Crescote Stains.**  
S. Cabot, Boston, Mass.  
**Coverings.** (Boiler & Pipe)  
H. W. Johns Mfg. Co., New York, N. Y.  
**Decorators.**  
L. Haberstroh & Son, Boston  
Donald McDonald, Boston  
**Door Hangers.**  
Lane Bros., Poughkeepsie, N. Y.  
**Door-Knobs.**  
J. Bardsley, New York, N. Y.  
**Drawing Ink.**  
Chas. M. Higgins, Brooklyn, N. Y.  
**Drawing Instruments.**  
Thec. Attender & Sons, Philadelphia, Pa. (cow)  
**Electric Switch.**  
Cutler Electrical & Mfg. Co., Philadelphia, Pa.

**Elevators, etc.**  
Crane Elevator Co., Chicago, Ill.  
Graves Elevator Co., Rochester, N. Y.  
Volney W. Mason & Co., Providence, R. I.  
Moore & Wiman, Boston  
Morse, Williams & Co., Philadelphia  
Otis Brothers & Co., New York  
Springfield Foundry Co., Springfield, Mass.  
Standard Elevator Co., Chicago, Ill.  
Whittier Machine Co., Boston  
**Elevator Cars and Enclosures.**  
J. E. Bolles & Co., Detroit, Mich. (cow)  
**Engineering Help.**  
The Engine and Employment Bureau  
**Fan Ventilating.**  
Haylett & Smith Mfg. Co., Detroit, Mich.  
**Fireproof Building.**  
Henry Maurer, New York  
Pioneer Fireproof Construction Co., Chicago, Ill.  
**Fireproof Construction.**  
Guastavino Fireproof Construction Co., N. Y.  
**Fireproof Lathing.**  
Hayes Metallic Lathing, New York  
Price & Muir, New York, N. Y.  
**Floors (Hardwood).**  
The Interior Hardwood Co., Indianapolis, Ind.  
Wood Mosier Co., Rochester, N. Y. (cow)  
**Floors (Inlaid).**  
National Wood Mfg. Co., N. Y.  
**Gas Machines.**  
Currell Gas-Machine Co., New York  
**Gates.**  
Wm. B. Pitt, New York, N. Y. (mon)  
**Glass (Best).**  
N. A. Smith, Newark, N. J. (mon)  
**Glass (Etched and Ornamental).**  
Mattland Armstrong & Co., New York  
Matthews Decorative Glass Co., New York  
Donald MacDonald, Boston  
Tiffany Glass & Decorating Co., New York

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**RARITAN HOLLOW AND POROUS BRICK CO.,**  
—MANUFACTURERS OF—  
**Hollow Fire-Clay and Porous Terra-Cotta Bricks**  
of Every Description, for Fireproof Buildings.  
**BUFF AND MOTTLED FRONT BRICK, FIRE BRICK.**  
Send for new Illustrated Catalogue, giving weight of materials, safe loads, etc.  
Office, 874 Broadway, NEW YORK.

ESTABLISHED 1856  
**HENRY MAURER & SON,**  
Manufacturers of  
**FIRE-PROOF BUILDING MATERIAL**  
Of every description. Hollow Brick made of Clay for Flat Arches, Partitions, Furring, etc.  
Porous Terra-Cotta, Fire-Brick, etc., etc.  
Works, MAURERS, N. J. Office and Depot, 420 EAST 23d STREET, New York



**Guastavino Fireproof Construction Co.,**  
Main Office, 57th St., near North River, New York.  
BRANCH OFFICES: 63 Pierce Building, Boston. Vaughan Building, Providence.  
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# PIONEER FIREPROOF CONSTRUCTION CO.

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MANUFACTURERS AND CONTRACTORS

FOR EVERY DESCRIPTION OF

## Hollow Tile AND Porous Terra-Cotta FOR FIREPROOFING BUILDINGS.

CONTRACTS TAKEN IN ALL PARTS OF THE UNITED STATES. Send for Illustrated Catalogue and Price List.

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FREESTONE.  
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FREESTONE.  
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**J. P. FALT & COMPANY,**  
Quarrymen & Miners of  
**RED SANDSTONE.**  
Contractors for CUT-STONE WORK.

Proprietors of Carlisle Quarries, Springfield, Mass.  
Prices for rough stone furnished on application,  
and estimates made for cut-stone work to be delivered  
at any railroad point. Correspondence solicited.  
Send for samples.

**CLARKSON QUARRIES:**  
Potsdam Red Sand Stone  
—ALSO—  
Richville White Marble.

STONE CUT AND DELIVERED  
READY TO SET IN BUILDINGS.

**THOS. S. CLARKSON,** T. S. CLARKSON & CO.  
POTSDAM, N. Y. AGENTS,  
55 LIBERTY ST., N. Y.

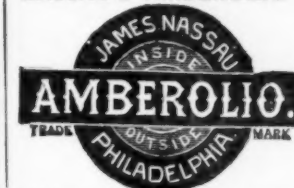


**NATIONAL  
Fine Art Foundry,**  
218 East 25th Street, New York.

Artists' Models cast in Standard Bronze.  
Architects' Designs Executed.  
Artistic and Enduring Monuments  
in Granite and Bronze.  
No Catalogues.

MAURICE J. POWER.

"IT IS NOT WHAT WE UNDERTAKE, BUT WHAT  
WE FINISH THAT DETERMINES SUCCESS." Archi-  
tects and Builders would have this crowning feature in  
the specification and adoption of  
**NASSAU'S AMBEROLIO FINISHES.**



They are ac-  
knowledge  
everywhere  
as the best  
Varnishes ex-  
tant combin-  
ing the great-  
est durability  
and perfection  
in finish to be  
attained.

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Philadelphia, Pa.  
S. W. Cor. Broad and Market Streets.

## Classified Advertisements (Continued).

[Advertisers can be indexed only under a single  
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**Grates, etc.**  
J. S. Conover & Co., New York.  
E. A. Jackson & Bro., New York, N. Y.  
Wm. H. Jackson & Co., New York.

**Hard Oil Finish.** Berry Bros., Detroit, Mich.

**Hardware.**  
Burditt & Williams, Boston, Mass.

**Hardware.** (Art.)  
Yale & Towne Mfg. Co., Stamford, Ct.

**Harness Bracket.**  
Jas. J. Read, Boston. (mon)

**Heating and Ventilating.**  
Smith & Anthony Stove Co., Boston.

**Heating Apparatus (Steam).**  
Gorton & Lidgerwood Co., New York. (eow)

**Hot Water Heating.**  
N. Y. Central Iron Works Co., Geneva, N. Y.

**Hot Water Heating.**  
Page Steam-heating Co., Norwich, Conn.

**Hot Water Heating.**  
Richards & Boynton Co., New York, N. Y.

**Hot Water Heating.**  
H. B. Smith Co., New York.

**Hot Water Heating.**  
Heliotype Printing Co., Boston.

**Hinges.** (Spring.)  
Van Wagner & Williams Co., Cleveland, Ohio.

**Hot-Blast Apparatus.**  
Huvett & Smith Mfg. Co., Detroit, Mich.

**Hot-Blast Apparatus.**  
B. F. Sturtevant Co., Boston, Mass.

**Hot-Blast Apparatus.**  
Hot Water Heating Co., Detroit, Mich.

**Hot-Blast Apparatus.**  
Garney Hot-Water Heater Co., Boston, Mass.

**Hot-Blast Apparatus.**  
Insulated Wire.  
W. R. Bixey, New York, N. Y. (eow)

**Hot-Blast Apparatus.**  
The Okonite Co., (Ltd.) New York, N. Y. (eow)

**Hot-Blast Apparatus.**  
Insurance.  
Continental Insurance Co., N. Y. (eow)

**Hot-Blast Apparatus.**  
Insurance Co. of North America, Phila.

**Hot-Blast Apparatus.**  
New England Mutual Accident Association.

**Joint Hanger.**  
Duplex Hanger Co., Cleveland, O.

**Laundry Machinery.**  
Oakley & Keating, New York.

**Laundry Machinery.**  
Troy Laundry Machinery Co., Troy.

**Laundry Machinery.**  
Lightning Protection.  
American Lightning Protection Co.

**Laundry Machinery.**  
Link-Belt Engineering Co., Philadelphia, Pa.

**Laundry Machinery.**  
Mail Chutes.  
Cutler Manufg. Co., Rochester, N. Y.

**Laundry Machinery.**  
Mantels.  
Penryn Slate Co., New York.

**Laundry Machinery.**  
Marble Mosaics.  
Aechlimann & Fellarin, New York.

**Laundry Machinery.**  
Marble Workers.  
Batterton, Rea & Elsie, New York.

**Laundry Machinery.**  
Metal Lathing.  
Robert C. Fisher & Co., New York.

**Laundry Machinery.**  
Metal Lathing.  
G. Hayes, New York.

**Laundry Machinery.**  
Metal Workers.  
J. A. R. Lamb, New York.

**Laundry Machinery.**  
Metal-Work. (Wrought.)  
Paul E. Cabaret, New York.

**Laundry Machinery.**  
Metal-Work. (Wrought.)  
John Williams, New York.

**Laundry Machinery.**  
Mineral Wool.  
H. W. Johns Mfg. Co., New York.

**Laundry Machinery.**  
Mineral Wool.  
H. W. Johns Mfg. Co., New York.

**Laundry Machinery.**  
Mortar Colors.  
Samuel H. French & Co., Philadelphia.

**Laundry Machinery.**  
Mortar Colors.  
Berry Bros., Detroit, Mich. (eow)

**Laundry Machinery.**  
Paint.  
F. W. Devos & Co., New York. (eow)

**Laundry Machinery.**  
Paint.  
F. W. Devos & Co., New York. (eow)

**Laundry Machinery.**  
Paint.  
Harrison Bros. & Co., Philadelphia, Pa.

**Laundry Machinery.**  
Paint.  
H. W. Johns Mfg. Co., New York.

**Laundry Machinery.**  
Patent Lawyers.  
Hosson & Hosson, Philadelphia. (eow)

**Laundry Machinery.**  
Patent Lawyers.  
The Esterbrook Steel Pen Co., New York.

**Laundry Machinery.**  
Perspective Machine.  
Shaw & Johnson, Tampa, Fla. (mon)

**Laundry Machinery.**  
Photographs.  
F. W. Devos & Co., New York. (eow)

**Refrigerators.**  
Wickes Refrigerator Co., New York, N. Y.

**Refrigerators.**  
Rolling-Shutter.  
J. G. Wilson, New York.

**Refrigerators.**  
Roofers.  
Berger Bros., Philadelphia, Pa.

**Refrigerators.**  
Roofers.  
John Farquhar's Sons, Boston.

**Refrigerators.**  
Roofers.  
James A. Miller & Bro., Chicago, Ill.

**Refrigerators.**  
Roofing Materials.  
Cortright Metal Roofing Co., Philadelphia.

**Refrigerators.**  
Roofing Materials.  
Merchant & Co., Philadelphia, Pa. (eow)

**Refrigerators.**  
Roofing Materials.  
James B. Scott & Co., Pittsburgh, Pa.

**Refrigerators.**  
Roofing Materials.  
N. & G. Taylor Co., Philadelphia, Pa. (eow)

**Refrigerators.**  
Roofing Materials.  
N. E. B. Roofing Works, Boston.

**Refrigerators.**  
Roofing Materials.  
Thorn Shingle and Ornament Co., Phila.

**Refrigerators.**  
Roofing Tiles.  
Baltimore Roofing Tile Co., Baltimore, Md.

**Refrigerators.**  
Roofing Tiles.  
J. C. Fawcett & Co., Akron, O.

**Refrigerators.**  
Roofing Tiles.  
W. H. Gates, Boston, Mass. (eow)

**Refrigerators.**  
Roofing Tiles.  
Sanitary Supplies.  
Haines, Jones & Cadbury Co., Philadelphia, Pa.

**Refrigerators.**  
Roofing Tiles.  
Smith & Anthony Co., Boston.

**Refrigerators.**  
Roofing Tiles.  
Sash-Chain.  
Smith & Fager Mfg. Co., Bridgeport, Conn.

**Refrigerators.**  
Roofing Tiles.  
Sash Balance.  
Fullman Sash Balance Co., (The), Rochester, N. Y.

**Refrigerators.**  
Roofing Tiles.  
Sash-Chain.  
Smith & Fager Mfg. Co., Bridgeport, Conn.

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Roofing Tiles.  
Sash-Chain.  
Smith & Fager Mfg. Co., Bridgeport, Conn.

**Steam Pipe Covering.**  
Kearby & Mattison Co., Ambler, Pa.

**Steel Lath.**  
Central Expanded Metal Co., Pittsburgh.

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Central Expanded Metal Co., Pittsburgh.

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Central Expanded Metal Co., Pittsburgh.

**Steel Lath.**  
Central Expanded Metal Co., Pittsburgh.



## Bricks and Terra-Cotta.

## HYDRAULIC BRICK, PLAIN AND MOULDED OF ANY COLOR. RED, BUFF, GRAY, BROWN, PINK, MOTTLED, GRANITE.

Total Annual Capacity, 100,000,000.

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ODD FELLOWS' BUILDING,  
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ESTIMATES ON SPECIAL DESIGNS PROMPTLY  
FURNISHED. WRITE FOR CATALOGUE  
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ALL COLORS.

## PERTH AMBOY TERRA-COTTA COMPANY,

—OF—  
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PHILADELPHIA  
OFFICE,  
DREXEL BLDG.

BOSTON AGENTS,  
WALDO BROS.,  
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## FRONT BRICKS —AND— TERRA-COTTA

—IN OVER TWENTY COLORS.—

Chimney Flue Linings, Chimney Tops, Drain  
Pipe, Cement and all Masons' Materials.

Send for Catalogues.

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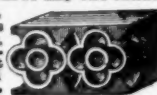
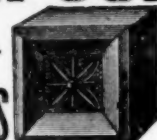
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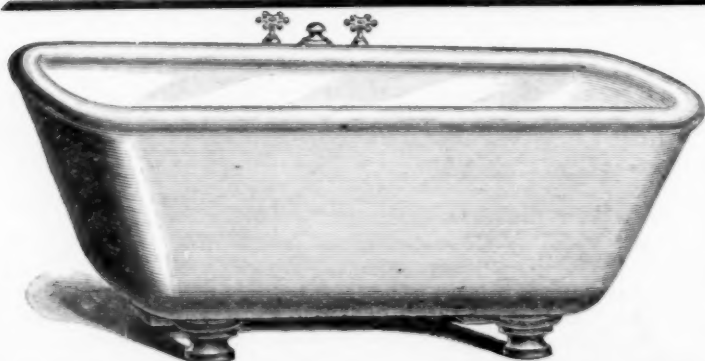
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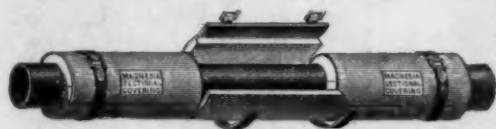
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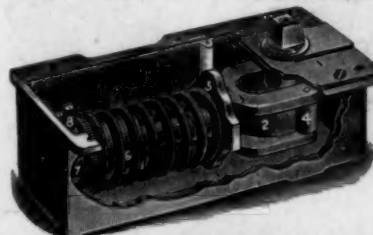
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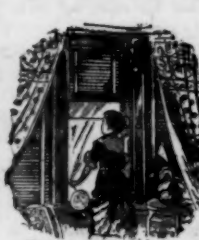
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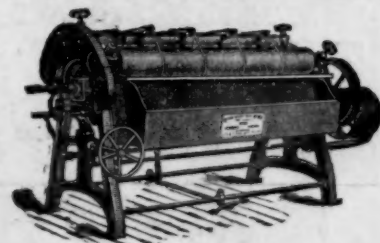
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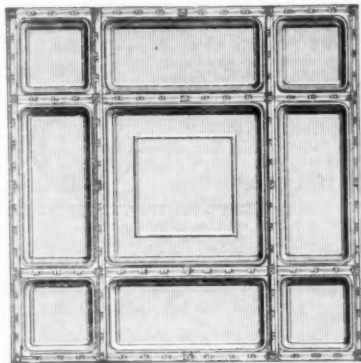
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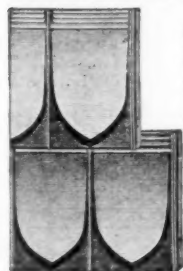
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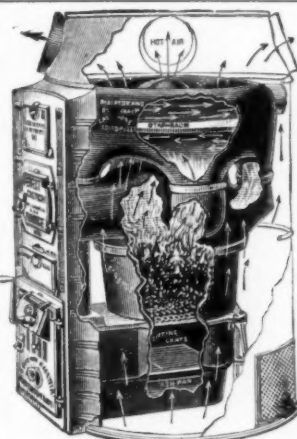
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" 3d quality.....  
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Hemlock.....  
Yellow pine.....  
Cypress.....

Clapboards:

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Spruce.....

Framing Timber:

Pine.....  
Spruce.....  
Hemlock.....  
Yellow pine.....

Laths:

Pine.....  
Spruce.....

Shingles:

Pine, shaved..... P. M.....  
Pine, sawed.....  
Spruce, sawed.....  
Redwood..... P. 125.....  
Cedar split..... P. M.....  
Cedar sawed.....  
Cypress, Split..... P. 24.....

Miscellaneous:

Piles..... P. ft.....  
Fence pickets, Common.....  
Cedar posts, 9 ft. (sq. posts).....  
Chestnut posts.....

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Butternut.....  
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St. Domingo.....

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" white.....  
" quartered.....

Sycamore quartered.....  
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| 55 00 @ 60 00   | 42 00 @ 50 00    | 27 00 @ 38 00    | 40 00 @ 45 00   |
| 18 00 @ 22 00   | 35 00 @ 40 00    | 14 00 @ 20 00    | 30 00 @ 35 00   |
| @ 25 00         | 14 50 @ 25 00    | Not sold.        | 16 00 @ 20 00   |
| ea 13 1/2 @ 14  | 13 00 @ 15 00    | @ 12 00          | 11 25 @ 13 50   |
| 20 @ 40         | 25 00 @ 35 00    | 21 00 @ 34 00    | 14 00 @ 29 00   |
| @               | 31 00 @ 40 00    | 18 00 @ 34 00    | @ 35 00         |
| @               | 38 00 @ 60 00    | 19 00 @ 24 00    | 14 00 @ 25 00   |
| @               | 23 00 @ 38 00    | Not sold.        | Not sold.       |
| 14 00 @ 18 00   | 15 50 @ 18 00    | 12 00 @ 17 50    | 25 00 @ 37 30   |
| 12 00 @ 16 00   | 13 00 @ 15 00    | Not sold.        | 16 00 @ 18 00   |
| 18 00 @ 21 00   | 22 00 @ 35 00    | 10 00 @ 13 00    | 13 00 @ 17 00   |
|                 |                  | 24 00 @ 34 00    | 22 00 @ 28 00   |
| Slab { 2 00     | 2 25 @ 2 50      | @ 2 65           | 2 75 @ 3 00     |
|                 | 2 35 @ 3 00      | Not sold.        | 2 30 @ 3 00     |
| 5 00 @ 6 00     | @                | Not sold.        |                 |
| 4 00 @ 5 00     | @ 4 50           | 2 60 @ 3 15      |                 |
| 1 50 @ 2 00     | 1 50 @ 00        | Not sold.        |                 |
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| @               | 2 00 @ 4 00      | Not sold.        |                 |
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| 8 00 @ 10 00    | 10 00 @ 18 00    | P. 10 00 @ 22 00 | 9 00 @ 13 00    |
| @               | 25 @ 50          | 9 @ 21           | 40 @ 1 25       |
| @               | 25 @ 50          | Not sold.        | 20 @ 30         |
| @ 55 00         | 45 00 @ 60 00    | 14 00 @ 30 00    | 42 50 @ 47 50   |
| 80 00 @ 120 00  | 90 00 @ 120 00   | 35 00 @ 90 00    | 100 00 @ 120 00 |
| 40 00 @ 60 00   | 60 00 @ 70 00    | 17 00 @ 35 00    | 70 00 @ 80 00   |
| @ 180 00        | 150 00 @ 160 00  |                  |                 |
| @ 350 30        | 120 00 @ 350 00  | 110 00 @ 170 00  | 150 00 @ 250 00 |
| 45 00 @ 50 00   | 45 00 @ 50 00    | 200 00 @ 250 00  | 200 00 @ 400 00 |
| @ 70 00         | 50 00 @ 50 00    | 12 00 @ 20 00    | 25 00 @ 55 00   |
| @ 70 00         | 50 00 @ 55 00    | 24 00 @ 27 00    | 42 50 @ 55 00   |
| @ 90 00         | 65 00 @ 75 00    | 16 00 @ 28 00    | 45 00 @ 55 00   |
|                 | 50 00 @ 65 00    | 24 00 @ 40 00    | 60 00 @ 75 00   |
|                 | 50 00 @ 75 00    | 25 00 @ 28 00    | 57 50 @ 65 00   |
| 65 00 @ 70 00   | 50 00 @ 75 00    | 43 00 @ 50 00    | @ 65 00         |
| 60 00 @ 70 00   | 60 00 @ 70 00    | 40 00 @ 45 00    | 60 00 @ 75 00   |
| @ 6             |                  | per M. 600 00    |                 |
| 125 00 @ 150 00 | 32 00 @ 35 00    |                  |                 |
| 45 00 @ 50 00   | 85 00 @ 120 00   | 40 00 @ 75 00    | 50 00 @ 170 00  |
| @ 45 00         | 40 00 @ 45 00    | 14 00 @ 30 00    | 25 00 @ 40 00   |
|                 | 40 00 @ 42 00    | 31 00 @ 34 00    | @ 45 00         |



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| Jersey.....                          | 3 75 @ 4 25            |                                       | @ 5 00         | " @ 7 00                    |
| Long Island.....                     | 4 00 @ 5 00            |                                       |                | Salmon @ 5 00               |
| Up River.....                        | 4 50 @ 4 75            |                                       |                | Sq. Light Stretchers @ 9 00 |
| Haverstraw Bay 2d.....               | 5 00 @ 5 25            |                                       |                | Medium " @ 10 00            |
| " 1st.....                           | @ 13 00                |                                       |                | Red " @ 12 00               |
| Hollow.....                          |                        |                                       |                | Dark " @ 13 00              |
| Fronts:                              |                        |                                       |                | Pressed " @ 13 00           |
| Croton, Brown.....                   | 9 00 @ 12 00           |                                       |                | Best Paving " @ 14 00       |
| " dark.....                          | 10 00 @ 13 00          |                                       |                | Second " @ 13 00            |
| " red.....                           | 10 00 @ 13 00          |                                       |                | Third " @ 12 00             |
| Chicago pressed (Anderson).....      |                        |                                       |                | Dom. { @ 65                 |
| " Moulded.....                       |                        |                                       |                | @ 82                        |
| Baltimore.....                       | 37 00 @ 41 00          |                                       |                |                             |
| Philadelphia.....                    | 23 00 @ 24 00          |                                       |                |                             |
| Trenton.....                         | @ 19 00                |                                       |                |                             |
| Milwaukee.....                       |                        |                                       |                |                             |
| Moulded:                             |                        |                                       |                |                             |
| Glens Falls Red Pressed.....         | @ 37 00                |                                       |                |                             |
| " Buff.....                          | @ 30 00                |                                       |                |                             |
| " Moulded Red & Buff.....            | 45 00 @ 70 00          |                                       |                |                             |
| Enamelled: Imp.                      |                        |                                       |                |                             |
| Enamelled (edge).....                | 85 00 @ 100 00         |                                       |                |                             |
| Enamelled (edge and end).....        | 90 00 @ 115 00         |                                       |                |                             |
| <b>CEMENT, LIME, etc.—(P. M.)</b>    |                        |                                       |                |                             |
| Rosendale Cement.....                | 95 @ 1 10              |                                       |                |                             |
| Louisville.....                      |                        |                                       |                |                             |
| Utica, Akron, Buffalo, Milw'kee.     | Not sold.              |                                       |                |                             |
| Portland, English (Gibbs).....       | 2 25 @ 2 50            |                                       |                |                             |
| " " (K. B. & S.).....                | 2 50 @ 3 00            |                                       |                |                             |
| " " Black Cross.....                 | 2 25 @ 2 50            |                                       |                |                             |
| " " (Burnham).....                   | 2 50 @ 2 50            |                                       |                |                             |
| " " (White's).....                   | 2 65 @ 3 00            |                                       |                |                             |
| " French (Lafarge).....              | 3 60 @ 3 75            |                                       |                |                             |
| " German (Alsen).....                | 2 90 @ 3 25            |                                       |                |                             |
| " (Fewer).....                       | 2 25 @ 2 40            |                                       |                |                             |
| " (Vorwöhler).....                   | 2 50 @ 2 90            |                                       |                |                             |
| " (Lagerdofer).....                  | @ 2 60                 |                                       |                |                             |
| " (Dyckerhoff).....                  | 2 60 @ 2 90            |                                       |                |                             |
| " (Hanover).....                     | 2 50 @ 3 00            |                                       |                |                             |
| " Stettin, (Anchor).....             | 2 35 @ 2 85            |                                       |                |                             |
| " American (Saylor's).....           | 2 15 @ 2 25            |                                       |                |                             |
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| Keene's coarse.....                  | 4 50 @ 5 00            |                                       |                |                             |
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| Lime of Teil.....                    | 3 50 @ 4 00            |                                       |                |                             |
| Hydraulic Lime.....                  | @ 1 45                 |                                       |                |                             |
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| Bedford.....                         | 45 @ 1 25              |                                       |                |                             |
| Joliet.....                          | 1 00                   |                                       |                |                             |
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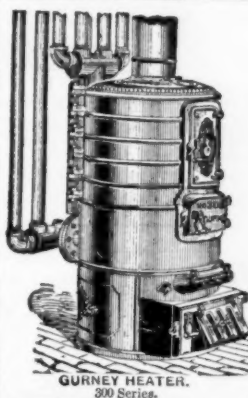
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| Dimension.....                               | 5 00 @ 500                                              | 4 60 @ 500   | 20 @ 500          | Conshocken @ 500  |
| Block.....                                   | 1 25 @ 100                                              | 1 25 @ 100   | 8 50 @ 100        | 1 45 @ 250        |
| Rubble.....                                  | 30 @ 500                                                | 40 @ 175     | 75 @ 100          | 1 in. th. 10 @ 25 |
| Bluestone: (P sq. ft.)                       | 50 @ 600                                                | @ 75         | 50 @ 100          | 37 @ 50           |
| Sidewalk.....                                |                                                         |              |                   |                   |
| Planed.....                                  |                                                         |              |                   |                   |
| Sandstone:                                   |                                                         |              |                   |                   |
| Longmeadow.....                              | @ 80                                                    | 80 @ 90      | @                 | 95 @ 105          |
| Kibbe.....                                   | @ 90                                                    | 90 @ 110     | @                 | 105 @ 125         |
| Brown (Connecticut).....                     | 1 00 @ 100                                              | 1 25 @ 145   | 1 50 @ 100        | 1 05 @ 125        |
| Amherst Ohio.....                            | 90 @ 95                                                 | 90 @ 100     | 45 @ 50           | 85 @ 95           |
| Berea.....                                   | 75 @ 100                                                | 85 @ 90      | 45 @ 55           | 65 @ 75           |
| Berlin.....                                  | 75 @ 100                                                | 80 @ 90      | 55 @ 65           | 85 @ 95           |
| Belleville.....                              | 80 @ 125                                                | 1 25 @ 135   | @ 125             | 100 @ 110         |
| New Brunswick (Dorchester).....              | @ 100                                                   | 75 @ 90      | @                 | 105 @ 115         |
| Caen.....                                    | @                                                       | @ 200        | @                 | 1 25 @ 135        |
| Carlisle, English.....                       | @ 105                                                   | @ 105        | @                 | 95 @ 105          |
| Corse Hill (Scotch).....                     | @ 105                                                   | @ 105        | @                 | 95 @ 105          |
| Marble: (P cu. ft.)                          |                                                         |              |                   |                   |
| Leo, Mass.....                               | @                                                       | 1 75 @ 250   | Not Sold.         | 2 00 @ 250        |
| Rutland, white and blue.....                 | @                                                       | @ 300        | 3 50 @ 600        | 2 00 @ 300        |
| Sutherland Falls.....                        | 1 25 @ 175                                              | @ 200        | 3 50 @ 600        | 1 70 @ 300        |
| Glens Falls, black.....                      | @                                                       | @            | Not Sold.         | 4 00 @ 450        |
| Italian, blue-veined.....                    | @                                                       | @            | @ 4 40            | 2 50 @ 275        |
| " Sienna.....                                | @                                                       | @            | Not Sold.         | @ 500             |
| Tennessee, red.....                          | @                                                       | @            | @ 4 40            | 4 00 @ 600        |
| " Knoxville.....                             | @                                                       | @            | @ 4 40            | 3 00 @ 400        |
| Pennsylvania, blue.....                      | @                                                       | @            | Not Sold.         | 2 00 @ 300        |
| Vermont, white.....                          | @                                                       | @            | 3 50 @ 600        | 2 25 @ 300        |
| Slate: Roofing (P square).....               |                                                         |              |                   |                   |
| " green.....                                 | 5 00 @ 600                                              | 4 75 @ 525   | 5 50 @ 610        | 2 30 @ 300        |
| " unfading.....                              | 5 00 @ 600                                              | 5 50 @ 650   | 6 50 @ 710        | 3 25 @ 375        |
| " purple.....                                | 5 00 @ 600                                              | 5 50 @ 650   | 6 50 @ 710        | 3 50 @ 450        |
| " red.....                                   | @ 1000                                                  | 10 00 @ 1100 | 12 00 @ 1400      | 50 @ 1025         |
| " black, Lehigh.....                         | 4 25 @ 475                                              | @            | 6 25 @ 685        | 25 @ 400          |
| " Chapman.....                               | @                                                       | @            | 7 30 @ 800        | 90 @ 405          |
| " Unfading Black, Monson, Me.....            | 5 50 @ 800                                              | 5 50 @ 800   | 6 00 @ 900        | 5 50 @ 800        |
| Tiles, Am. ... P. M.....                     | @                                                       | @            | Not Sold.         | @ 2500            |
| N. Peach Bottom, warranted unfading.....     | @                                                       | @            | @                 | 6 00 @ 675        |
| PAINTS. (In Oil P lb.)                       |                                                         |              |                   |                   |
| White lead, Am.....                          | 7 @ 7 1/2                                               | 6 1/2 @ 7    | 7 @ 7 1/2         | @ 7 1/2           |
| " zinc.....                                  | 5 @ 8                                                   | 5 @ 8        | 5 @ 10 1/2        | @ 7               |
| Red lead, Am.....                            | 6 1/2 @ 7                                               | 6 1/2 @ 7    | 6 1/2 @ 7         | @ 7 1/2           |
| " Venetian.....                              | 6 @ 10 1/2                                              | 7 @ 12       | 1 1/2 @ 2 1/2     | @ 7               |
| " Vermillion.....                            | 65 @ 70                                                 | 70 @ 5 dry   | 12 @ 20           | Eng. @ 76         |
| " Indian, Eng.....                           | 12 @ 20                                                 | 12 @ 20      | 3 @ 15            | dry Am. @ 1 1/2   |
| Yellow Ochre.....                            | 6 @ 15                                                  | 18 @ 25      | 15 @ 25           | @ 15              |
| " Chrome.....                                | 12 @ 20                                                 | 8 @ 20       | 8 @ 20            | @ 21              |
| Green (chrome).....                          | 25 @ 40                                                 | 25 @ 40      | 18 @ 35           | " 15 @ 20         |
| Green, Paris.....                            | 15 @ 25                                                 | 15 @ 25      | 8 @ 30            | @ 8               |
| Black, lamp.....                             | 12 @ 18                                                 | 18 @ 30      | 12 @ 35           | 10 @ 24           |
| Blue, ultramarine.....                       | 55 @ 62                                                 | 41 @ 42      | 57 @ 60           | @ 60              |
| Oil, linseed, (raw).....                     | 58 @ 65                                                 | 44 @ 45      | 60 @ 63           | @ 63              |
| " boiled.....                                | 36 @ 37                                                 | @ 34         | 40 @ 42           | @ 44              |
| Turpentine.....                              | @                                                       | 1 50 @ 600   | 1 25 @ 200        | 125 @ 300         |
| Varnish, coach.....                          | @                                                       | 2 50 @ 300   | 2 25 @ 400        | 150 @ 300         |
| Shellac.....                                 | 2 @                                                     | 2 @ 4        | 2 @ 2 1/2         | 2 @ 2 1/2         |
| Putty.....                                   | 75 @ 100                                                | 1 @ 1 1/2    | 1 @ 1 1/2         | @ 1               |
| Whiting.....                                 | 1 30 @ 200                                              | 2 @ 3        | 1 @ 7             | @ 2 1/2           |
| Paris white, (Eng.).....                     | 5 1/2 @ 6                                               | 6 1/2 @ 7    | 6 1/2 @ 7         | @ 7 1/2           |
| Litharge, Am.....                            | 14 @ 20                                                 | 14 @ 20      | 4 @ 16            | @ 14              |
| Sienna (burnt).....                          | 14 @ 20                                                 | 14 @ 20      | 2 @ 10            | @ 13              |
| Umber.....                                   |                                                         |              |                   |                   |
| HARDWARE.                                    |                                                         |              |                   |                   |
| Nails: (Per Cask.) Spikes, (wrought.)        | @ 2 85                                                  | @            | 2 35 @ 3 50       | per keg @ 2 25    |
| 10d. common.....                             | @ 2 60                                                  | @ 2 20       | @ 1 95            | @ 2 30            |
| Shingle.....                                 | @ 3 35                                                  | @ 2 65       | @ 2 35            | @ 2 60            |
| Lath.....                                    | @ 4 85                                                  | @ 3 20       | @ 3 25            | 3 60 @ 4 75       |
| (Finishing nails according to size.)         | @                                                       | @            | Add .85 to \$2.25 | per lb 4 @ 6      |
| (For casing nails add 75 c. per keg.)        | @                                                       | @            | ".50 to .90       | Add per cask      |
| Butts: 4" x 4"..... (P doz. pairs.)          | @ 1 00                                                  | @ 1 20       | @ 90              | 2 90 (all kinds.) |
| Plain.....                                   | @ 1 50                                                  | @ 1 75       | Not Sold.         | @ 90              |
| Japanned.....                                | @ 1 50                                                  | @ 1 90       | 2 00 @ 3 75       | 1 35 @ 200        |
| Acorn, Japanned.....                         | @ 65                                                    | @ 50         | Not Sold.         | 1 35 @ 275        |
| Bail Tip, Boston Finish..... (P pair.)       | @ 1 90                                                  | plain 1 65   | 2 00 @ 3 25       | 48 @ 60           |
| Bronze metal.....                            | @ 10                                                    | @ 10         | @ 12              | @ 125             |
| Brass (for cupboards).....                   | @                                                       | @            | @                 | @ 100             |
| Ebony.....                                   | @                                                       | @            | @                 | @ 35              |
| Apple wood.....                              | @                                                       | @            | @                 | 37 @ 100          |
| Knobs: (P set.)                              |                                                         |              |                   |                   |
| Mineral, best.....                           | @ 8                                                     | @ 8          | 8 @ 10            | @ 08              |
| Lava.....                                    | Not Sold.                                               | 17 @ 33      | 31 @ 40           | 25 @ 50           |
| Hemacite.....                                | @ 30                                                    | @ 10         | 25 @ 30           | @ 25              |
| Porcelain.....                               | Not Sold.                                               | @ 10         | Not Sold.         | 100 @ 250         |
| Glass, solid.....                            | Not Sold.                                               | 28 @ 100     | @ 1 50            | 1 75 @ 200        |
| Glass, silvered.....                         | 75 @ 200                                                | 50 @ 300     | 50 @ 300          | 50 @ 350          |
| Bronze metal.....                            | 1 00 @ 2 50                                             | 50 @ 300     | 100 @ 300         | 75 @ 125          |
| Brass.....                                   | @                                                       | @            | 14 @ 16           | 13 1/2 @ 16       |
| Solder:                                      |                                                         |              |                   |                   |
| Sheet Lead.....                              | @                                                       | @ 7 1/2      | @ 7               | @ 6 1/2           |
| Lead Pipe.....                               | @                                                       | @ 6 1/2      | 5 1/2 @ 6         | @ 6               |
| Iron:                                        |                                                         |              |                   |                   |
| I-Beams, up to and including 30 ft.....      | 3 3-10 @ 3 1/2                                          | @ 3 4-10     | 2 50 @ 2 75       | @ 2 8-10          |
| do. over 30 ft., 1/2 c. adv. for every 5 ft. |                                                         |              | @ 2 75            | @ 2 8-10          |
| Channel Beams.....                           | 3 3-10 @ 3 1/2                                          | @ 3 4-10     | 50 @ 2 75         | @ 2 8-10          |

## FLUCTUATIONS.

Chicago, Ill. — There are no changes to report in the market. Lumber and the general list of building material remain as last quoted.



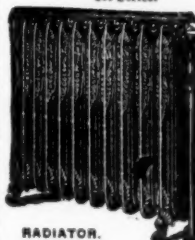
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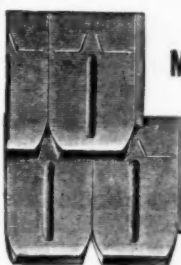
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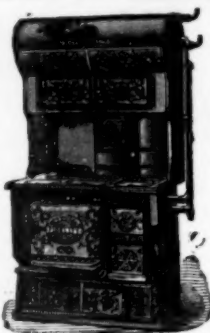
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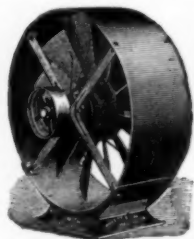
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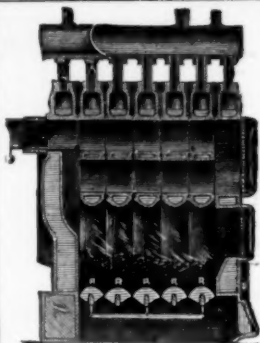
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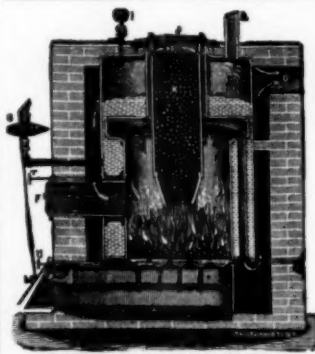
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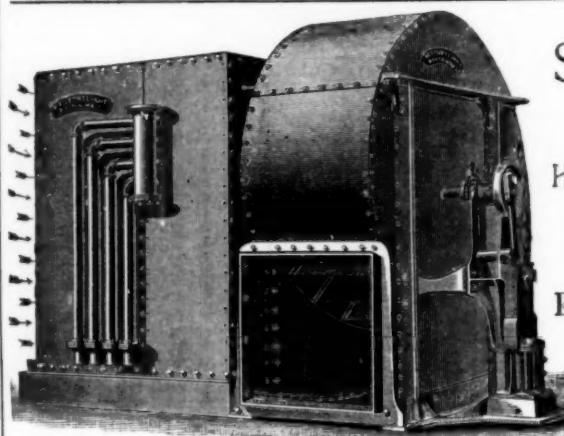
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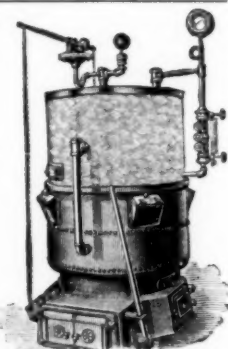
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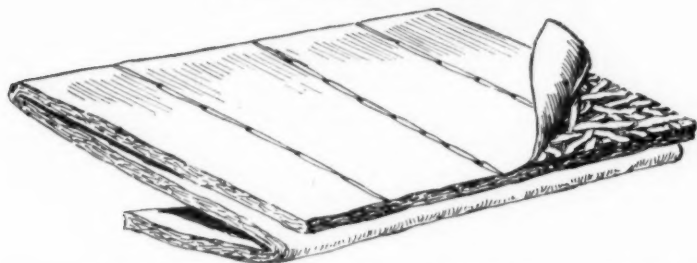
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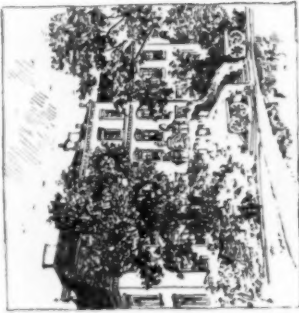
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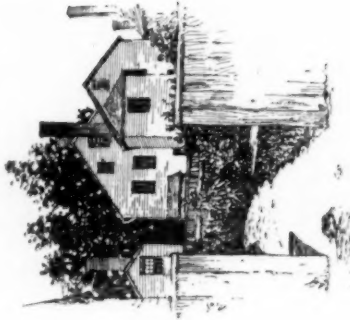
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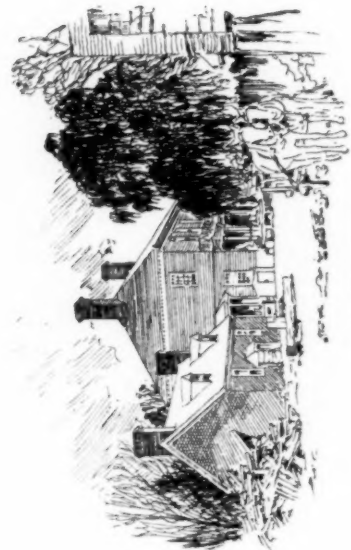
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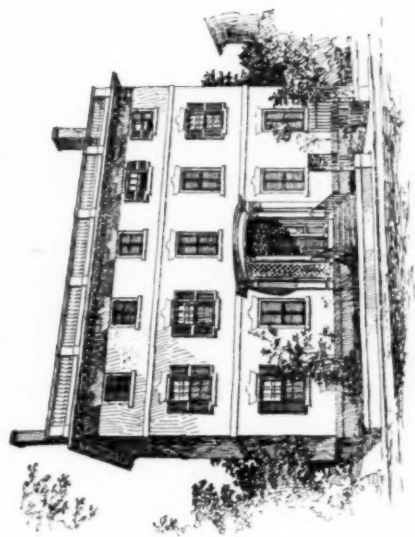
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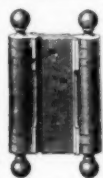
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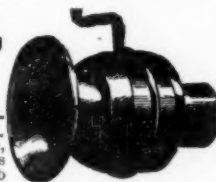
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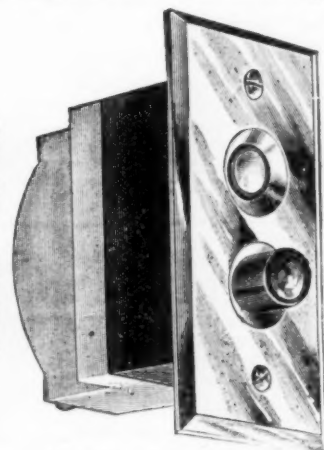
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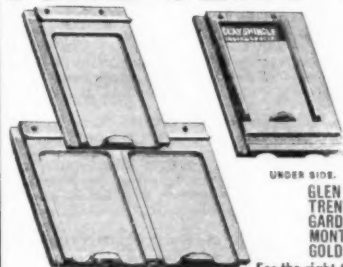
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C. Manning, 1070 Park Ave.

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roof; cost, \$4,500; owner, James W. Ogden, 731  
Cauldwell Ave.; architect, H. H. Carter, 514 East  
One Hundred and Thirty-seventh St.

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Carrollton Aves.

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Ave., three-st'y brick stable, gravel roof; cost,  
\$10,000; owner, Michael Coffey, 374 West One Hun-  
dred and Sixteenth St.; architect, Andrew Spence,  
163' East One Hundred and Twenty-fifth St.

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stable; owner and contractor, M. P. Higgins.

Burck St., one-and-one-half-st'y frame stable;  
owner, C. D. Brown; day-work.

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owner, Saml. Koch, 438 Fulton St.; architect, M. J.  
Morrill, 357 Fulton St.; builder, Thos. Donlon, Third  
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(Stores Continued.)

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dred and Twenty-eighth St.; architect, Thos. S.  
Goodwin, 211 West Fifty-eighth St.

St. Louis, Mo.—Two-st'y brick store and dwell., s s  
Park St., bet. Second, Carondelet and Mississippi  
Aves.; cost, \$2,000; owner and contractor, C. H.  
Stevens.

### MISCELLANEOUS.

Baltimore, Md.—A. Schlag, two-st'y brick carriage-  
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(Miscellaneous Continued.)

**Brooklyn, N. Y.**—Bleeker St., s. s. 220' e. Centr. Ave., two-story frame convent, shingle and tin roof; cost, \$9,000; owners, Nuns of St. Douloine, Graham and Montrose Aves.; architect, F. J. Berlenbach, Jr., 260 Graham Ave.

**Chicago, Ill.**—Thomas Jeffrey, seven-story storage-house, 44-52 Institute Pl.; cost, \$25,000.  
Bowman Dairy Co., milk-house and barn, 1245-1247 Belmont Ave.; cost, \$4,000.

**Houston, Tex.**—Knights of Pythias, hall-building, cost, \$30,000.

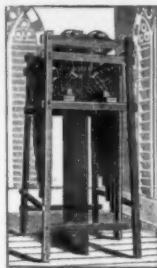
**Tusculum, Ala.**—Jail building; cost, \$15,500; contractor, W. S. Hull, Sheffield, Ala.

**Worcester, Mass.**—High St., six-story brick and stone lodging-house; owner, W. H. Barnes; contractors, The Webb Granite and Construction Co.; architects, Fuller & Delano.

PROPOSALS.

Treasury Department, Office Supervising Architect, Washington, D. C., October 11, 1893. Sealed proposals will be received at this office until 2 o'clock P. M. on the 3d day of November, 1893, and opened immediately thereafter, for all the labor and materials required for the superstructure and completion (except heating apparatus and approaches) of the United States Post-office building at Davenport, Iowa, in accordance with the drawings and specification, copies of which may be had on application at this office or the office of the Superintendent at Davenport, Iowa. No convict labor nor the product of any convict labor will be allowed in the work. Each bid must be accompanied by a certified check for a sum not less than two per cent of the amount of the proposal. The right is reserved to reject any or all bids, and to waive any defect or informality in any bid, if it be deemed in the interest of the Government to do so. All proposals received after the time stated will be returned to the bidders. Proposals must be enclosed in envelopes sealed and marked "Proposal for the Superstructure and Completion (except Heating Apparatus and Approaches) of the United States Post-office Building at Davenport, Iowa," and addressed to JEREMIAH O'ROURKE, Supervising Architect.

Treasury Department, Office Supervising Architect, Washington, D. C., October 9, 1893. Sealed proposals will be received at this office until 2 o'clock P. M. on the 31st day of October, 1893, and opened immediately thereafter, for all the labor and materials required for the extension of the low-pressure steam heating and ventilating apparatus, reconstructing part of the old apparatus and for furnishing new power boiler for the United States Court-house, Post-office, etc., building at Dallas, Texas, in accordance with the drawings and specification, copies of which may be had at this office or the office of the Superintendent at Dallas, Texas. No convict labor nor any product of convict labor will be allowed in the work. Each bid must be accompanied by a certified check for a sum not less than two per cent of the amount of the proposal. The right is reserved to reject any or all bids, and to waive any defect or informality in any bid, if it be deemed in the interest of the Government to do so. All proposals received after the time stated will be returned to the bidders. Proposals must be enclosed in envelopes, sealed, and marked "Proposal for the Extension of the Low-pressure Steam Heating and Ventilating Apparatus, Reconstructing part of the Old Apparatus and also for Power Boiler for the United States Court-house, Post-office, etc., building at Dallas, Texas," and addressed to JEREMIAH O'ROURKE, Supervising Architect.



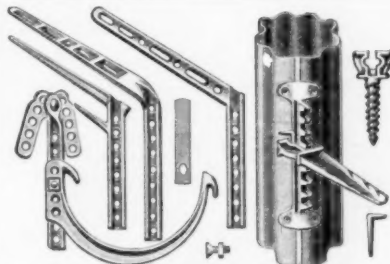
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# Norman Monuments

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The Siculo-Norman monuments of Palermo and environs belong to the most exquisite gems of mediæval architecture, and, interesting as they are from a historic point of view, they are none the less so to the practical designer. There is probably no set of mediæval monuments in Italy which offers such a large and varied mass of suggestions as the Palermitan monuments. Fergusson justly refers to the Palatine chapel as the gem of mediæval interior decoration, and the same is no less true of La Martorana, while the fame of Monreale and its cloisters is too well-known to require mention.

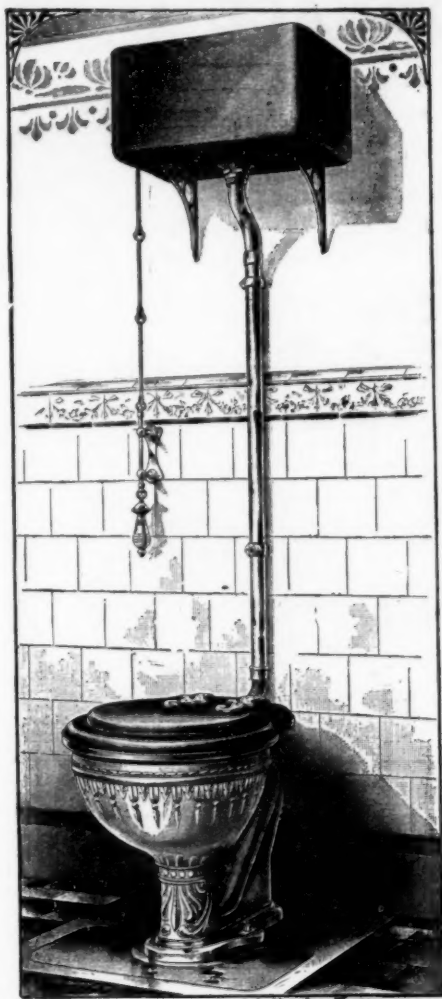
The author recently made a journey to Sicily and during his stay there devoted his time to the study of the Norman monuments. This work therefore represents a study by a practical architect and the text simply attempts to familiarize the reader with the circumstances under which these wonderful monuments were created, and with some of the peculiar technical processes employed in their construction and decoration.

The work will be issued in four parts, on fine paper, 14x18, and publication will be begun very soon. It will contain, in all, fifty measured drawings of details, with keys to the coloring and materials used, and twelve full-page and twenty half-page views, photographed on the spot, and printed in part from gelatine and part from photo-grain process, besides some twenty sketches interspersed in the text.

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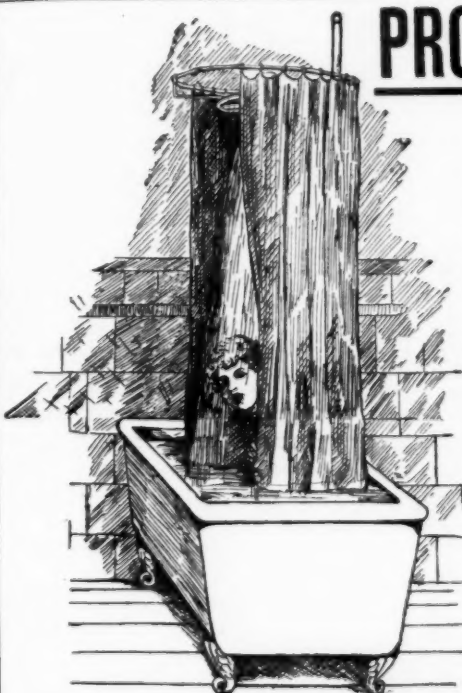
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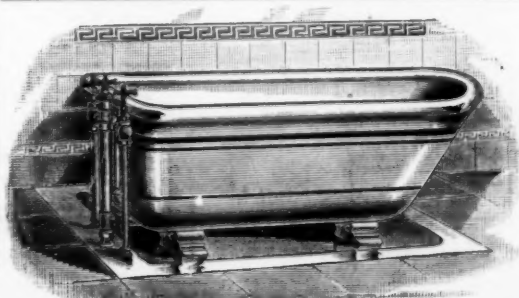
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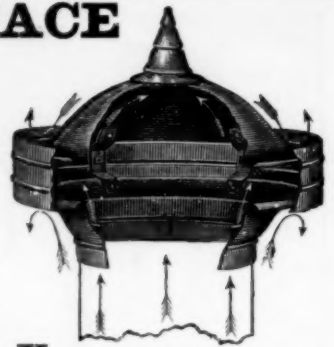
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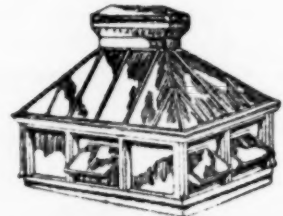
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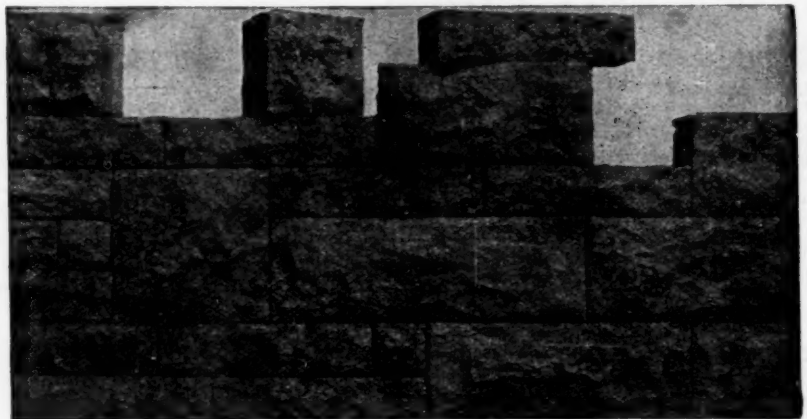
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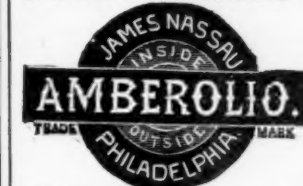
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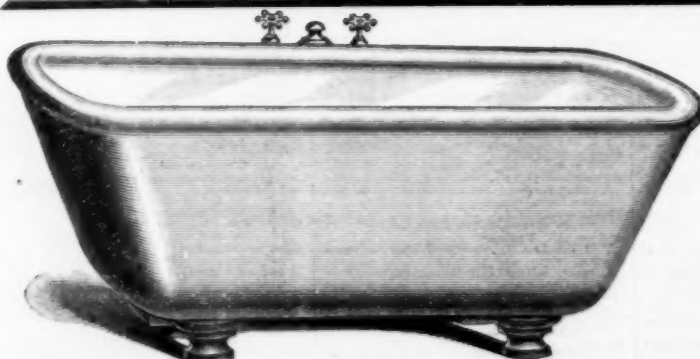
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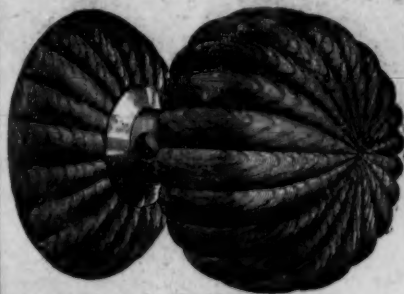
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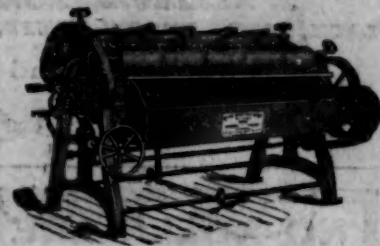
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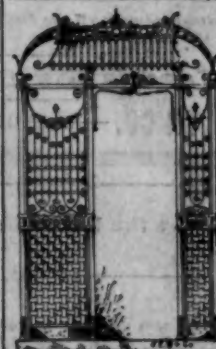
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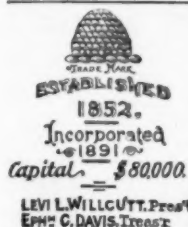
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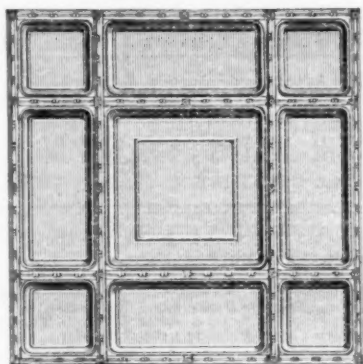
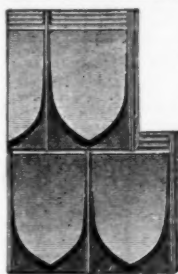
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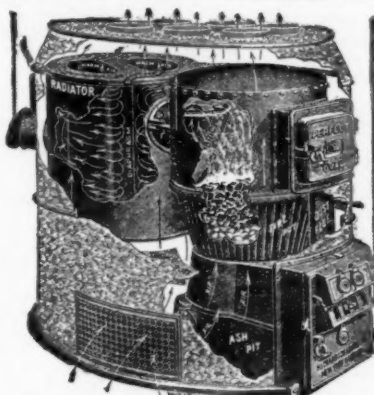
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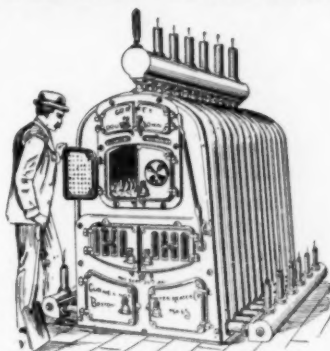
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Reported for the American Architect and Building News.

|                                      | New York.           | Boston.                               | Chicago.         | Philadelphia.                  |
|--------------------------------------|---------------------|---------------------------------------|------------------|--------------------------------|
|                                      | (Wholesale Prices.) | (Prices to Builders and Contractors.) |                  |                                |
| <b>BRICK.—P. M.</b>                  |                     |                                       |                  |                                |
| Common: Cargo afloat.                |                     |                                       |                  |                                |
| Pale.....                            | 1 75 @ 2 00         | Eastern }                             | Building Brick   | Sq. Hard..... 9 00             |
| Jersey.....                          | 3 75 @ 4 25         | 9 00 @ 10 00 }                        | "                | "..... 7 00                    |
| Long Island.....                     | "                   |                                       | "                | Salmon..... 5 00               |
| Up River.....                        | 4 00 @ 5 00         |                                       | "                | Sq. "..... 9 00                |
| Haverstraw Bay 2d.....               | 4 50 @ 4 75         | Domestic Com.                         | Indiana Pressed  | Light Stretchers               |
| " 1st.....                           | 5 00 @ 5 25         | 9 50 @ 10 00                          | 14 00 @ 20 00    | "..... 10 00                   |
| Hollow.....                          | " 13 00             | Domestic Face                         | St. Louis Fronts | Medium "..... 12 00            |
| Fronts:                              |                     | 20 00 @ 22 00                         | " 27 00          | Red "..... 13 00               |
| Croton, Brown.....                   | 9 00 @ 12 00        | Philadelphia }                        |                  | Dark "..... 13 00              |
| " dark.....                          | 10 00 @ 13 00       | 40 00 @ 45 00 }                       |                  | Pressed..... 18 00 @ 20 00     |
| " red.....                           | 10 00 @ 13 00       | Phila. mould }                        |                  | Best Paving..... 14 00         |
| Chicago pressed (Anderson).....      |                     | 50 00 @ 80 00 }                       |                  | Second "..... 13 00            |
| " Moulded.....                       |                     |                                       |                  | Third "..... 12 00             |
| Baltimore.....                       | 37 00 @ 41 00       |                                       | 15 00 @ 27 00    | Dom. {..... 65                 |
| Philadelphia.....                    | 23 00 @ 24 00       |                                       | 65 00 @ 350 00   | "..... 82                      |
| Trenton.....                         | " 19 00             |                                       | " 55 00          |                                |
| Milwaukee.....                       |                     |                                       | 45 00 @ 50 00    |                                |
| Moulded:                             |                     |                                       | 45 00 @          |                                |
| Glens Falls Red Pressed.....         | " 37 00             |                                       | 25 00 @          |                                |
| " " Buff.....                        | " 30 00             |                                       | 60 00 @ 100 00   |                                |
| " " Moulded Red & Buff               | 45 00 @ 70 00       |                                       | 30 @             |                                |
| Enamelled: Imp.                      |                     |                                       | 35 @             |                                |
| Enamelled (edge).....                | 85 00 @ 100 00      |                                       | 55 00 @ 65 00    |                                |
| Enamelled (edge and end).....        | 90 00 @ 115 00      |                                       | " 100 00         |                                |
| <b>CEMENT, LIME, etc.—(Post.)</b>    |                     |                                       | " 120 00         |                                |
| Rosendale Cement.....                | 95 @ 1 10           |                                       |                  |                                |
| Louisville.....                      | Not sold.           | 1 15 @ 1 25                           | Not sold.        | 1 30 @ 1 50                    |
| Utica, Akron, Buffalo, Milw'kee.     |                     | Brooks, S. & Co.                      | 1 05 @ 1 15      | BS&Co 2 75 @ 3 00              |
| Portland, English (Gibbs).....       | 2 25 @ 2 50         | 2 40 @ 2 75                           | 1 00 @ 1 10      | 2 85 @ 3 25                    |
| " (K. B. & S.).....                  | 2 50 @ 3 00         | 2 40 @ 2 75                           | 3 00 @ 3 10      | 2 85 @ 3 15                    |
| " " Black Cross.....                 | 2 25 @ 2 50         | 2 40 @ 2 75                           | 3 00 @ 3 25      | 2 75 @ 3 00                    |
| " " (Burnham).....                   | 2 50 @ 2 50         | 2 40 @ 2 75                           | 2 90 @ 3 15      | 2 85 @ 3 15                    |
| " " (White's).....                   | 2 65 @ 3 00         | 2 40 @ 2 75                           | 3 00 @ 3 25      | 2 75 @ 2 85                    |
| " French (Lafarge).....              | 3 60 @ 3 75         | " 5 00                                | 3 75 @ 4 25      |                                |
| " German (Alsen).....                | 2 90 @ 3 25         | 3 00 @ 3 50                           | " 3 20           | Hemmoor..... 2 50 @ 2 75       |
| " " (Vorwöhler).....                 | 2 25 @ 2 40         |                                       | 3 20 @ 3 40      | 2 75 @ 2 85                    |
| " " (Lagerdofer).....                | 2 50 @ 2 90         |                                       | "                |                                |
| " " (Dyckerhoff).....                | 2 50 @ 3 00         | Cleopatra..... 2 40 @ 2 75            | 2 75 @ 3 00      | Josson..... 2 60 @ 2 75        |
| " " (Hanover).....                   | 2 35 @ 2 85         | 3 00 @ 3 50                           | 3 25 @ 3 50      | 3 00 @ 3 25                    |
| " " Stettin, (Anchor).....           | 2 15 @ 2 25         | Condor 2 50 @ 2 75                    | Not sold.        | 2 75 @ 2 85                    |
| " American (Saylor's).....           | 2 75 @ 3 00         | Wedge 2 40 @ 2 75                     | Not sold.        |                                |
| Roman.....                           | 4 50 @ 5 30         | 2 15 @ 2 50                           | 2 00 @ 2 70      | 2 70 @ 3 00                    |
| Keene's coarse.....                  | 5 00 @ 5 50         | " 3 50                                | 2 75 @ 3 25      | 1 50 @ 3 50                    |
| " superfine.....                     |                     | " 6 00                                | 6 00 @ 7 00      | 6 50 @ 7 00                    |
|                                      |                     | 7 00 @ 9 00                           | 9 00 @ 10 50     | 8 00 @ 9 00                    |
| <b>Lime:</b>                         |                     |                                       |                  |                                |
| Lime of Tell.....                    | 3 50 @ 4 00         |                                       | Not sold.        | White Lime P bush..... 25 @ 30 |
| Hydraulic Lime.....                  | " 1 45              | " 1 35                                | 60 @ 70          | { White Mash..... 1 25 @ 1 50  |
| Chicago Lime in bulk.....            | ( St. John          | St. John 1 00                         | 60 @             | 1 00 @ 1 00                    |
| Wisconsin Lime.....                  | 85 @ 87 1/2         |                                       | Not sold.        |                                |
| Rockland and Rockport, (Com.).....   | " 95                | " 1 05                                | Not sold.        |                                |
| Rockland and Rockport, finish.....   | " 1 10              | " 1 10                                | Not sold.        |                                |
| Kelley Island Lime, finish.....      | " 85                | " 1 20                                | 1 00 bulk, 75c.  |                                |
| State, com. cargo rates (nom.).....  | 1 05 @ 1 10         | Not sold.                             | Not sold.        |                                |
| State, finishing.....                | 1 40 @ 1 50         | 1 85 @ 2 00                           | 1 85 @ 1 90      | Not sold.                      |
| Plaster of Paris (calcined).....     | " 1 60              | Not sold.                             | 1 85 @ 1 90      | 1 75 @ 2 50                    |
| " (casting).....                     | 18 @ 21             | 25 @ 30                               | 16 @ 20          | 20 @ 25                        |
| Hair (Cattle) P bush.....            | 21 @ 25             | " 30                                  | 30 @ 35          | 30 @ 35                        |
| " (Goat).....                        | 1 00 @ 1 25         | 1 75 @ 1 90                           | " 60             | " 1 50                         |
| Sand, P load.....                    |                     |                                       |                  |                                |
| <b>STONE. (P cubic foot, rough.)</b> |                     |                                       |                  |                                |
| Granite: (Maine)                     |                     |                                       |                  |                                |
| Limestone:                           |                     |                                       |                  |                                |
| Bedford.....                         | 45 @ 1 25           | 95 @ 1 00                             | 50 @             | 55 @ 60                        |
| Joliet.....                          | 1 00                |                                       | 35 @ 55          | 75 @ 85                        |
| Lemont.....                          |                     |                                       | 37 @ 60          | Richmond..... 75 @ 1 50        |
| Serpentine.....                      |                     |                                       | " 1 00           | P..... 4 50 @ 5 50             |
|                                      |                     |                                       |                  |                                |



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(Prices to Builders and Contractors.)

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| Dimension.....                               | 5 00           | 5 00          | 20                | 5 00              |
| Block.....                                   | 4 60           | 4 60          | 15                | 4 50              |
| Rubble.....                                  | 1 25           | 1 25          | 8 50              | 1 45              |
| Bluestone: P sq. ft.)                        |                |               |                   | 2 50              |
| Sidewalk.....                                | 30 @ 5 00      | 40 @ 1 75     | 75 @ 1 00         | 1 in. th. 10 @ 25 |
| Planed.....                                  | 50 @ 6 00      | @ 75          | 50 @ 1 00         | 37 @ 50           |
| Sandstone:                                   |                |               |                   |                   |
| Longmeadow.....                              | 80 @ 80        | 80 @ 90       | @                 | 95 @ 1 05         |
| Kibbe.....                                   | 90 @ 90        | 90 @ 1 10     | @                 | 1 05 @ 1 25       |
| Brown (Connecticut).....                     | 1 00 @ 90      | 1 25 @ 1 45   | 1 50 @ cub. ft.   | 85 @ 95           |
| Amherst Ohio.....                            | 90 @ 95        | 90 @ 1 00     | 45 @ 50           | 55 @ 75           |
| Berea.....                                   | 75 @ 1 00      | 85 @ 90       | 45 @ 55           | 85 @ 95           |
| Berlin.....                                  | 75 @ 1 00      | 80 @ 90       | 55 @ 65           | 1 00 @ 1 10       |
| Belleville.....                              | 80 @ 1 25      | 1 25 @ 1 35   | @ 1 25            | 1 05 @ 1 15       |
| New Brunswick (Dorchester).....              | @ 1 00         | 75 @ 90       | @                 | 1 25 @ 1 35       |
| Caen.....                                    | @              | @ 2 00        | @                 | 95 @ 1 05         |
| Carlisle, English.....                       | @ 1 05         | @ 1 05        | @                 | 95 @ 1 05         |
| Corse Hill (Scotch).....                     | @ 1 05         | @ 1 05        | @                 | 95 @ 1 05         |
| Marble: (P cu. ft.)                          |                |               |                   |                   |
| Lee, Mass.....                               | @              | 1 75 @ 2 50   | Not Sold.         | 2 00 @ 2 50       |
| Rutland, white and blue.....                 | @              | @ 3 00        | 3 50 @ 6 00       | 2 00 @ 3 00       |
| Sutherland Falls.....                        | 1 25 @ 1 75    | @ 2 00        | 3 50 @ 6 00       | 1 70 @ 3 00       |
| Glens Falls, black.....                      | @              | @             | Not Sold.         | 4 00 @ 4 50       |
| Italian, blue-veined.....                    | @              | @             | @ 4 40            | 2 50 @ 2 75       |
| Sienna.....                                  | @              | @             | Not Sold.         | @ 5 00            |
| Tennessee, red.....                          | @              | @             | @ 4 40            | 4 00 @ 6 00       |
| Knoxville.....                               | @              | @             | @ 4 40            | 3 00 @ 4 00       |
| Pennsylvania, blue.....                      | @              | @             | Not Sold.         | 2 00 @ 3 00       |
| Vermont, white.....                          | @              | @             | 3 50 @ 6 00       | 2 25 @ 3 00       |
| Slate: Roofing (P square).....               |                |               |                   |                   |
| " green.....                                 | 5 00 @ 6 00    | 4 75 @ 5 25   | 5 50 @ 6 10       | 2 30 @ 3 00       |
| " unfading.....                              | 5 00 @ 6 00    | 5 50 @ 6 50   | 6 50 @ 7 10       | 3 25 @ 3 75       |
| " purple.....                                | 5 00 @ 6 00    | 5 50 @ 6 50   | 6 50 @ 7 10       | 3 50 @ 4 50       |
| " red.....                                   | @ 10 00        | 10 00 @ 11 00 | 12 00 @ 14 00     | 50 @ 10 25        |
| " black, Lehigh.....                         | 4 25 @ 4 75    | @             | 6 25 @ 6 85       | 25 @ 4 00         |
| " Chapmans.....                              | @              | @             | 7 30 @ 8 00       | 90 @ 4 65         |
| " Unfading black, Monson, Me.....            | 5 50 @ 8 00    | 5 50 @ 8 00   | 6 00 @ 9 00       | 5 50 @ 8 00       |
| Tiles, Am.....                               | @              | @             | Not Sold.         | @ 25 00           |
| N. Peach Bottom, warranted unfading.....     | @              | @             | @                 | 6 00 @ 6 75       |
| PAINTS. (In Oil P lb.)                       |                |               |                   |                   |
| White lead, Am.....                          | 7 @ 7 75       | 6 1/2 @ 7     | 7 @ 7 75          | @ 7 1/2           |
| " zinc.....                                  | 5 @ 7          | 6 @ 7         | 5 @ 7 10 1/2      | @ 7               |
| Red lead, Am.....                            | 6 1/2 @ 7      | 6 1/2 @ 7     | 6 1/2 @ 7         | @ 7 1/2           |
| " Venetian.....                              | 6 @ 10 1/2     | 7 @ 12        | 1 1/2 @ 2 1/2     | @ 7 1/2           |
| " Vermillion.....                            | 65 @ 70        | 70 @ 5 dry    | 65 @ 68           | Eng. @ 76         |
| " Indian, Eng.....                           | 12 @ 20        | 12 @ 20       | 12 @ 20           | dry Am. @ 1 1/2   |
| Yellow Ochre.....                            | 6 @ 15         | 7 @ 12        | 15 @ 25           | @ 1 1/2           |
| " Chrome.....                                | 12 @ 20        | 18 @ 25       | 8 @ 20            | @ 21              |
| Green (chrome).....                          | 8 @ 13         | 25 @ 40       | 18 @ 35           | " 15 @ 20         |
| Green, Paris.....                            | 25 @ 40        | 15 @ 25       | 8 @ 30            | @ 12              |
| Black, lamp.....                             | 15 @ 25        | 18 @ 30       | 12 @ 35           | @ 24              |
| Blue, ultramarine.....                       | 55 @ 62        | 41 @ 42       | 57 @ 60           | @ 60              |
| Oil, linseed, (raw).....                     | 58 @ 65        | 44 @ 45       | 60 @ 63           | @ 63              |
| " boiled.....                                | 38 @ 37        | 44 @ 35       | 40 @ 42           | @ 44              |
| Turpentine.....                              | @              | 1 50 @ 6 00   | 1 25 @ 2 00       | 125 @ 3 00        |
| Varnish, coach.....                          | @              | 2 50 @ 3 00   | 2 25 @ 4 00       | 150 @ 3 00        |
| Shellac.....                                 | @              | @             | @                 | 2 @ 2 1/2         |
| Putty.....                                   | 2 @ 4          | 1 @ 4         | 1 @ 1 1/2         | @ 1               |
| Whiting.....                                 | 75 @ 1 00      | 1 @ 1 1/2     | 1 @ 1 1/2         | @ 1 1/2           |
| Paris white, (Eng.).....                     | 1 30 @ 2 00    | 2 @ 3         | 1 1/2 @ 7         | @ 7 1/2           |
| Litharge, Am.....                            | 5 @ 6          | 6 @ 7         | 6 @ 16            | @ 14              |
| Sienna (burnt).....                          | 14 @ 20        | 14 @ 20       | 2 @ 10            | @ 13              |
| Umber.....                                   | 14 @ 20        | 14 @ 20       | @                 | @                 |
| HARDWARE.                                    |                |               |                   |                   |
| Nails: (Per Cask.) Spikes, (wrought).....    | @ 2 85         | @ 2 20        | 2 35 @ 3 50       | per keg @ 2 25    |
| 10d. common.....                             | @ 2 60         | @ 2 65        | @ 1 95            | @ 2 20            |
| Shingle.....                                 | @ 3 35         | @ 3 20        | @ 2 35            | @ 2 60            |
| Lath.....                                    | @ 4 85         | @             | @ 3 25            | 3 60 @ 4 75       |
| (Finishing nails according to size).....     | @              | @             | Add .85 to \$2.25 | per lb 4 @ 6      |
| (For casing nails add 75 c. per keg).....    | @              | @             | ".50 to .90       | Add per cask      |
| Butts: 4" x 4"..... (P doz. pairs).....      |                |               |                   | 2 90 (all kinds.) |
| Plain.....                                   | @ 1 00         | @ 1 20        | @ 90              | @ 90              |
| Japanned.....                                | @ 1 50         | @ 1 75        | Not Sold.         | 1 35 @ 2 00       |
| Acorn, Japanned.....                         | @ 1 50         | @ 1 90        | 2 00 @ 3 75       | 1 35 @ 2 75       |
| Ball Tip, Boston Finish..... (P pair).....   | @ 65           | @ 50          | Not Sold.         | 48 @ 50           |
| Bronze metal.....                            | @ 1 90         | plain 1 65    | 2 00 @ 3 25       | 1 25 @ 1 25       |
| Braes (for cupboards).....                   | @ 10           | @ 10          | @ 12              | @ 1 00            |
| Ebony.....                                   | @              | @             | @                 | @ 35              |
| Apple wood.....                              | @              | @             | @                 | 37 @ 1 00         |
| Knobs: (P set).....                          |                |               |                   |                   |
| Mineral, best.....                           | @ 8            | @ 8           | 8 @ 10            | @ 08              |
| Lava.....                                    | @ 50           | @ 75          | 65 @ 80           | Not Sold.         |
| Hematite.....                                | Not Sold.      | 17 @ 33       | 31 @ 40           | 25 @ 50           |
| Porcelain.....                               | @ 30           | @ 10          | 25 @ 30           | @ 25              |
| Glass, solid.....                            | Not Sold.      | @ 50          | Not Sold.         | 1 00 @ 2 50       |
| Glass, silvered.....                         | Not Sold.      | 88 @ 1 00     | @ 1 50            | 1 75 @ 2 00       |
| Bronze metal.....                            | 75 @ 2 00      | 50 @ 3 00     | 50 @ 3 00         | 50 @ 3 50         |
| Brass.....                                   | 1 00 @ 2 50    | 50 @ 3 00     | 1 00 @ 3 00       | 75 @ 1 25         |
| Solder.....                                  | @              | @             | 14 @ 16           | 13 1/2 @ 16       |
| Sheet Lead.....                              | @              | @ 7 1/2       | @ 7               | @ 6               |
| Lead Pipe.....                               | @              | @ 6 1/2       | 5 1/2 @ 6         | @ 6               |
| Iron:                                        |                |               |                   |                   |
| I-Beams, up to and including 30 ft.....      | 3 3-10 @ 3 1/2 | @ 3 4-10      | 2 50 @ 2 75       | @ 2 8-10          |
| do. over 30 ft., 1/2 c. adv. for every 5 ft. | 3 3-10 @ 3 1/2 | @ 3 4-10      | 50 @ 2 75         | @ 2 8-10          |
| Channel Beams.....                           | 3 3-10 @ 3 1/2 | @ 3 4-10      | 50 @ 2 75         | @ 2 8-10          |

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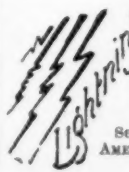
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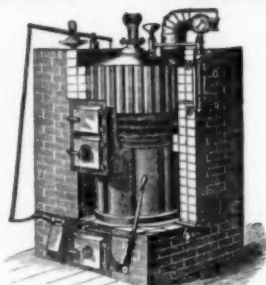
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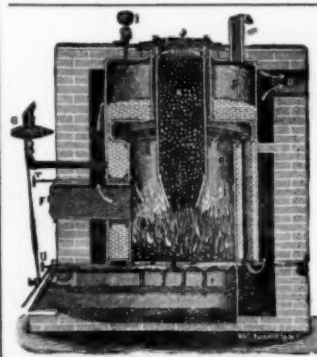
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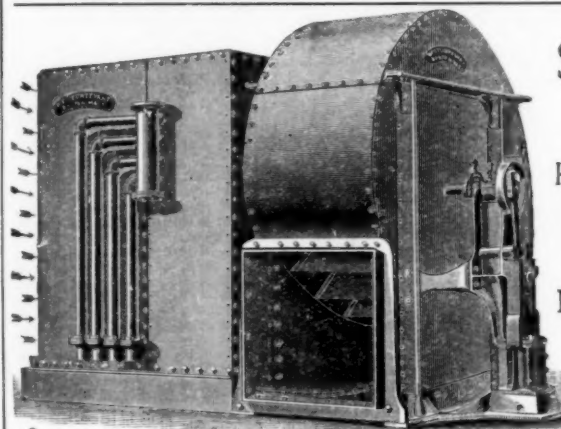
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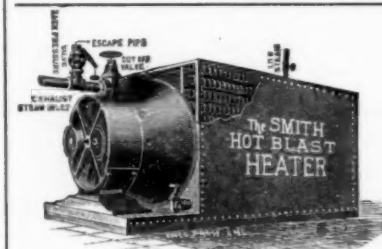
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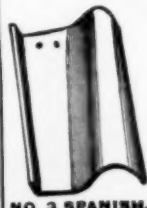
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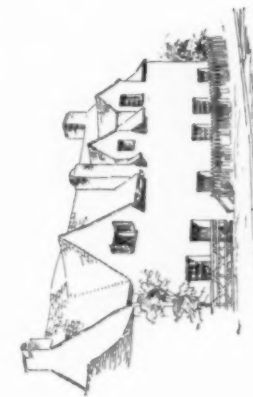
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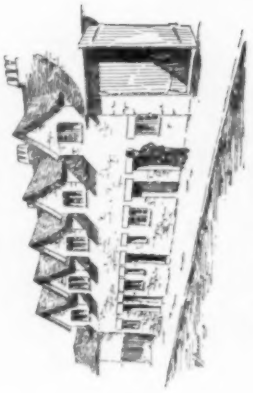




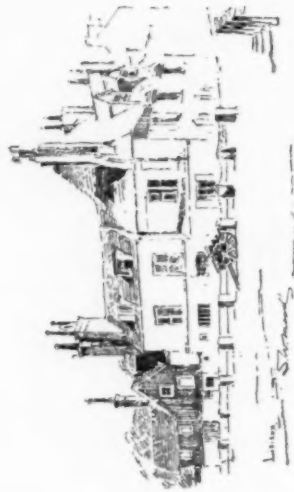
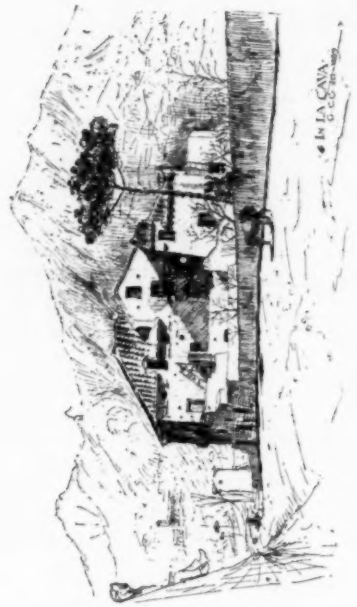
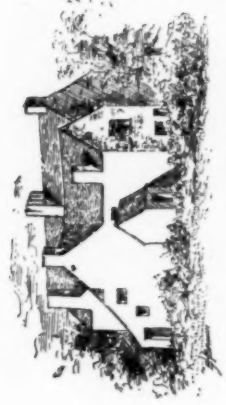
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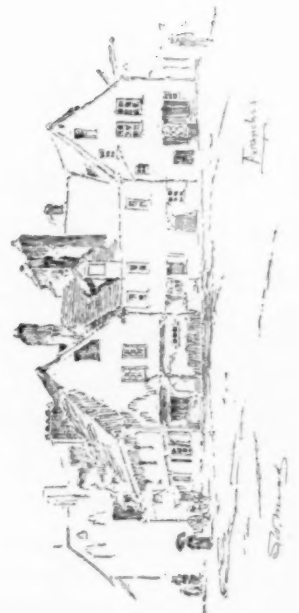
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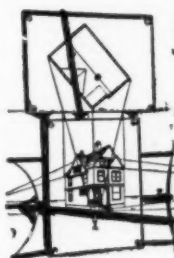
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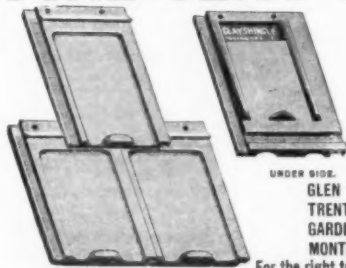
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## BUILDING PATENTS.

[Printed specifications of any patents here mentioned  
together with full detail illustrations, may be obtained  
of the Commissioner of Patents, at Washington, for  
twenty-five cents.]

506,217. SIPHON-TANK VALVE MECHANISM.—  
William H. Edmondson, New Haven, Conn.  
506,221. CLOSET-FLUSHING DEVICE.—Henry J.  
Glicher, Cleveland, Ohio.  
506,238. FIRE-ESCAPE.—James M. Kirker, Louis-  
ville, Ky.  
506,240. WINDOW-FRAME.—Hugo Kuersten, Chi-  
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lowing advertisements.

Alens Portland Cement Works.  
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## BUILDING PATENTS.

506,291. EXHIBITION-STRUCTURE.—George M.  
Wheeler, Washington, D. C.  
506,312. SASH-HOLDER.—Alexander James, Well-  
ington, New Zealand.  
506,388. KNOB ATTACHMENT.—Dexter Clark, Mil-  
ford, Mich.  
506,393. WINDOW-SHUTTER.—Thomas Gaskins,  
Arcadia, Fla.  
506,461. LOCK.—Giles A. Beckwith, Waterford,  
Conn.  
506,478. CONSTRUCTION OF FLOORS, CEILINGS,  
ARCHES, ETC.—Pierre J. L. DeBache, New York,  
N. Y.  
506,484. EARTHENWARE-SEWER-PIPE JOINT.—  
Robert Ewing, London, Eng.  
506,493. METHOD OF PRESERVING WOOD.—Francis  
Hall, Tacoma, Wash.  
506,521. FLOOR.—Edmond Molloy, Philadelphia,  
Pa.  
506,561. PORTABLE SCAFFOLD.—Isaiah Smith,  
Nashville, Tenn.  
506,601. PROCESS OF FINISHING WOOD VENEERS.  
—Joseph R. McGargar, Grand Rapids, Mich.  
506,657. FILE-DRIVER.—Albert W. Hubbard, St.  
Louis, Mo.

## BUILDING INTELLIGENCE.

(Reported for The American Architect and Building News.)

[Although a large portion of the building intelligence  
is provided by their regular correspondents, the editors  
greatly desire to receive voluntary information, espe-  
cially from the smaller and outlying towns.]

## ALTERATIONS.

Chicago, Ill.—C. W. Leeming, three-st'y addition,  
4554 Grand Boulevard; cost, \$6,000.  
North End Masonic Association, three-st'y addi-  
tion, 615-617 North Clark St.; cost, \$15,000.  
K. Grynemeweis, two-st'y addition, 8734 Commer-  
cial Ave.; cost, \$4,000.  
A. Parkhurst, one-st'y addition, 175-177 West Van  
Buren St.; cost, \$3,400.  
Gus. Eisler, three-st'y addition, 88 Fullerton  
Ave.; cost, \$5,000.

[Continued on page xiii.]

## VARNISH IN ARCHITECTURE.

THE AGE OF REASON.

Although the age of reason now prevails in most matters pertaining to Architecture, still the sun is only commencing to dawn upon the important item of varnish. Considering the great work it has to do it is strange that varnish should have been so long regarded with such apathy by the Architect. This state of affairs no longer obtains however, and varnish is commencing to receive the recognition that properly belongs to it, the result being a marked change for the better in the appearance of modern interiors.

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### BUILDING INTELLIGENCE.

#### HOTELS.

**Carbondale, Pa.**—The Anthracite Land and Improvement Co., has broken ground for a four-sty brick and stone hotel; architect, L. C. Holden, New York City; contractor, Conrad Schroeder, Scranton, Pa. E. E. Hendrick is Chairman, and A. P. Trautwein, Secretary, of the Building-committee.

#### HOUSES.

**Baltimore, Md.**—C. H. Grieb, three-sty brick buildings, n w cor. Front and Lexington Sts.  
Edward H. Zeigler, 3 two-sty brick buildings, s s Baltimore St., w Mount St.  
Jno. J. Schafer, 3 two-sty brick buildings, e s Harford Ave., beg. n e cor. Townsend St.  
James Bond, three-sty brick building, s s Millman St., bet. Bond and Dallas Sts.  
Fredk. Decker, 3 two-sty brick buildings, e s Spring St., bet. Federal and Lanvale Sts.  
Wm. E. Garrison, 4 two-sty brick buildings, n s First St., bet. Cedar and Chestnut Aves.  
Chas. H. Yeager, two-sty brick building and stable in rear, n e cor. Roland and Fifth Aves.  
Jesse B. Stockdale, two-sty brick building, e s Roland Ave., n Fifth Ave.

**Boston, Mass.**—*Alpine St.*, Nos. 29-31, Ward 21, 2 three-sty frame dwells., flat roofs, 22' x 45'; owner, H. F. Kenison; builder, W. W. Griswold.  
*Beacon St.*, near West Chester Park, Ward 22, five-sty brick dwell., flat roof, 25' x 70'; owner, Harold Williams; builder, C. H. Dodge.  
*Washington St.*, No. 3272, Ward 23, three-sty frame dwell., hip roof, 34' x 44'; owner, Albert Lynch; builder, G. H. Cahill.  
*Danube St.*, near Brookford St., Ward 20, three-sty frame dwell., flat roof, 27' x 40'; owner and builder, G. A. Clifford.

*Foster St.*, near Washington St., Ward 25, frame dwell., 28' x 43'; owner, Mrs. Alice Riley.  
*Glendale St.*, near Columbia St., Ward 24, frame dwell., hip roof, 26' x 38'; owner, S. B. Pierce; builder, W. J. Jobling.  
*Leicester St.*, near Arlington St., Ward 26, three-sty frame dwell., hip roof, 34' x 34.9'; builders, Thomas Gordan and James Muldoon.  
*Holborn St.*, near Blue Hill Ave., Ward 21, frame dwell., 22.4' x 31.10'; owners and builders, O'Toole & Vose.  
*Bloomington St.*, near Tolman St., Ward 24, frame dwell., 24' x 36'; owner, M. Dyer, Jr.; builder, J. H. Allen.  
*Nightingale St.*, near Barnard St., Ward 24, frame dwell., 26' x 45'; owner, I. H. Byram; builder, R. H. Arnold.

*Oak Ave.*, near Adams St., Ward 24, frame dwell., hip roof, 26.5' x 43.6'; owner, Mrs. E. D. Boardman; builder, W. H. Boardman.  
**Brooklyn, N. Y.**—*Glenmore Ave.*, n s, 25' e Atkins Ave., 2 two-sty frame dwells., tin roofs; cost, \$2,600 each; owner and builder, James L. Newman, 101 Warwick St.; architects, Warren & Co.  
*Throop Ave.*, s e cor. Vernon Ave., four-sty brick dwell., tin roof; cost, \$8,000; owner, architect and builder, Louis Maehr, 258 Throop Ave.

*Bedford Ave.*, e s 60' s Hooper St., 4 four-sty brick dwells., tin roofs; cost, \$5,000 each; owners, architects and builders, Allan Bros. & Co., 371 Fulton St.

*Union St.*, n s, 225' e Nevins St., four-sty brick dwell., tin roof; cost, \$4,500; owner, Pasquale Pietro, 565 Union St.; architect, F. B. Marryatt, 147 Fifth Ave.

*Forty-fifth St.*, n s, 80' w Fourth Ave., two-sty brick dwell., tin roof; cost, \$3,000; owners and builders, J. H. & J. F. O'Rourke, 76 Thirty-ninth St.; architect, Wm. Wirth, 106 Broadway, New York City.

*North Second St.*, s s, 130' e Berry St., three-sty brick dwell., tin roof; cost, \$4,000; owner, John O'Brien, 32 South Ninth St.; architect, A. Herbert, 147 Broadway.

*Railroad Ave.*, w s, 276' 41" n Atlantic Ave., 4 two-sty frame dwells., cement and gravel roofs; cost, \$1,800 each; owner, architect and builder, John J. Mills, 496 Gates Ave.

**Broomall, Pa.**—Dwell.; owner, Jacob Green; contractors, Brown & Parlaman.

Three-sty brick dwell.; contractor, Henry Harlanus.

Four two-sty frame dwells.; contractor, Ed. McCann.

Fifty two-sty and three-sty brick dwells.; contractor, C. M. Whartman.

Fifteen three-sty brick dwells.; contractor, A. A. Renhart.

Three-sty brick dwell.; contractor, Philip Muedelin.

Three-sty brick dwell.; contractor, J. F. Butterbaugh.

Three-sty brick dwell.; contractor, Geo. Bauernschmidt.

Eight three-sty brick dwells.; contractor, E. I. Gallagher.

Seven two-sty brick dwells.; contractor, Chas. Milks.

**Chicago, Ill.**—Mrs. C. G. Owens, two-sty dwell., 2155 Sheridan Drive; cost, \$5,000.

J. K. Farley, two-sty dwell., 679-681 Kimbark Ave.; cost, \$3,000.

J. Kenney, 2 three-sty dwells., 1182-1184 Washington Boulevard; cost, \$30,000.

Henry Bruggesstrade, three-sty dwell., 458 Menominee St.; cost, \$4,000.

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### BUILDING INTELLIGENCE.

(Houses Continued.)

C. W. Mills, 2 two-sty dwells., 320-322 Berven Ave.; cost, \$6,600.

**Cincinnati, O.**—Jos. Gruber, three-and-one-half-sty brick and stone dwell., 15 Peete St.; cost, \$3,500; architect, Adam Bast.

Albert Lucky, two-and-one-half-sty brick and stone dwell., w s Roll St.; cost, \$2,500; architect, Phil. Pfeiffer.

S. C. Brankaup, three-sty brick and stone dwell., n w Cummings St.; cost, \$6,000; architect, Martin Fisher.

Jacob Fechheimer, two-and-one-half-sty brick and stone dwell., e s Highland Ave.; cost, \$10,000; architects, Des Jardins & Hayward.

E. J. Lovell, two-and-one-half-sty wood and frame dwell., Observatory Road; cost, \$2,500; architects, Crapey & Brown.

Chas. Mayer, owner and architect, wood and frame dwell., Hapsburg and Durrell Aves.; cost, \$3,000.

**New York, N. Y.**—*Prospect Ave.*, w s, 150' n One Hundred and Fifty-sixth St., three-sty brick and frame dwell., tin roof; cost, \$4,000; owners, Ernest & Martha Zeiger, 625 East One Hundred and Thirty-fifth St.; architect, Gustave Schwarz, 554 East One Hundred and Fifty-eighth St.

*Westchester Ave.*, n s, 262' e Prospect Ave., three-sty brick and frame dwell., tin roof; cost, \$5,000; owner, Ellen Chambers, Bradford Ave., near One Hundred and Eighty-third St.; architect, J. De Hart, Fox St., near One Hundred and Sixty-fifth St.

*Bathgate Ave.*, w s, 100' n One Hundred and Seventy-ninth St., three-sty frame and brick dwell., shingle roof; cost, \$4,000; owner, Amy A. Mull, 1647 Bathgate Ave.; architect, J. J. Vreeland, 711 East One Hundred and Seventy-seventh St.

**Oak Lane Station, Pa.**—*Lakewood Ave.*, w County Line, three-sty dwell.; contractors, Boyer & Parker.

**Overbrook, Pa.**—Three-sty stone and frame dwell.; owner, William A. Nicholas; architect, John F. Stuckert, 49 North Thirteenth St.



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**BUILDING INTELLIGENCE.**

(Houses Continued.)

**Philadelphia, Pa.**—Broad St., below Moore St.,  
brick and brownstone dwell.; owner, J. Lester  
Smith; contractors, Brennan & Bros., 1623 South  
Seventeenth St.**School St.**, n w cor. Pulaski St., stone dwell.; cost,  
\$11,000; contractor, Wm. S. Grubler, Germantown.**North Broad St.**, No. 1309, four-sty brownstone  
dwell.; owner, Dr. L. W. Steinbach; architects,  
Baker & Dallett, Fifth and Walnut Sts.**Lippincott St.**, e F St., 35 two-sty brick and stone  
dwells.; contractor, Chas. E. C. Warfield.**Thirty-third and One-fourth St.**, s Norris St., 12  
stone and brick dwells.; contractor, John M. Serrill.**Wolf, Stuart and Dillmore Sts.**, 15 two-sty brick  
and stone dwells.; builders, Killbough Bros.**Norris and Page Sts.**, near Thirty-second St., 32  
brick and stone dwells.; contractors, Jas. H. Steven-  
son & Son.**Seventieth St.**, w s n Saybrook St., 2 two-sty  
dwells.; contractor, John Welsh, Seventieth St., s  
Woodland Ave.**Belmont Ave.**, w s s City Ave., 5 two-sty dwells.;  
owner, J. C. Moore, 606 Walnut St.**Dillmore St.**, s Wolf St., **Stuart St.**, e Wolf St.,  
**Wolf St.**, e Tenth St., 15 two-sty dwells.; owners,  
Hillough Bros., 1920 Bainbridge St.**Tacony St.**, s s e Margaretta St., two-sty dwell.;  
contractor, Henry Zimmerman, 5129 Melrose St.**Orthodox St.**, n s w Trenton Ave., 2 two-sty  
dwells.; contractor, Andrew Anderson, 3471 Weikel  
St.**Clearfield St.**, w Park Ave., 5 dwells.; owner,  
Albert Fisher, 3106 North Broad St.**Thirty-second St.**, bet. Norris and Page Sts., 8  
two-sty dwells.; **Norris St.**, e Thirty-second St., 12  
dwells.; **Page St.**, e Thirty-second St., 12 two-sty  
dwells.; contractors, Jas. H. Stevenson & Son,  
Ridge Ave. and Diamond St.**Sixty-third St.**, s Lancaster Ave., three-sty dwell.;  
owner, John H. Meyers, 27 North Juniper St.**Ridge Ave.**, s Park Ave., 2 two-sty dwells.;  
contractors, H. C. Hays & Co.**Helen St.**, s Somerset St., 2 two-sty dwells.; con-  
tractors, Dickson Bros., 3045 Fairmount Ave.**Thirty and Three-fourths St.**, w Norris St., 5 two-  
sty dwells.; **Norris St.**, e s s dwells.; **Thirty and**  
**Three-fourths St.**, s w cor. Norris St., 5 two-sty  
dwells.; owner, Jos. M. Serrill, Wyancote, Pa.**Ridley Park, Pa.**—**Ridley Ave.**, dwell.; owner, Mrs.  
Zook; contractor, J. M. Meekert.**St. Louis, Mo.**—Two-sty dwell., n s Pine St., bet.  
Taylor and Euclid Aves.; cost, \$25,000; owner, Mrs.  
D. M. Houser; contractors, Carswell & Crawford.Two-sty dwell., s Castleman St., bet. Klem and  
Thurman Aves.; cost, \$3,000; owner, Mrs. Eliza  
Douern; contractor, A. O. Wagner.Two-sty dwell., w Iowa St., bet. Keokuk and  
Osage Aves.; cost, \$2,200; owner, Ellen Ungemann;  
contractor, J. Fisch.One-and-one-half-sty dwell., s s Pine St., bet.  
Sarah and Boyle Aves.; cost, \$2,000; owner, Alfred  
Clifford; contractor, I. C. Higgins.**Washington, D. C.**—Dwell.; owner, Major R. H.  
Montgomery; architect, W. J. Marsh.**N St.**, No. 1721, n w, dwell.; owner, T. B. Hoff-  
man.**Wayne, Pa.**—Parochial house; owners, Church of  
St. Catharine, R. C.; architect, E. F. Durang, s w  
cor. Twelfth and Chestnut Sts.**Pear St.**, 20 two-sty brick dwells.; owners, West  
Reading Building Association.**Worcester, Mass.**—**Fairmount Ave.**, one-and-one-  
half-sty frame dwell.; owner and contractor, F.  
Cote.**Perry Ave.**, three-sty frame dwell.; owner, Thos.  
Hannigan; architect, A. J. Harrington; contract  
not let.**Aurora St.**, two-sty frame dwell.; owner, H. E.  
Mayo; day-work.**Iron-Work.****JACKSON ARCHITECTURAL IRON WORKS,**  
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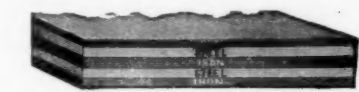
CHICAGO.

**BUILDING INTELLIGENCE.****OFFICE-BUILDINGS.****New York, N. Y.**—**Eighteenth St.**, n e cor. Fifth  
Ave., twelve-sty brick office, tile roof; cost, \$650,000;  
owner, Estate of Henrietta Constable, 9 East Eighty-  
third St.; architects, Wm. Schickel & Co., 246 Fifth  
Ave.**Leonard St. and Catherine Lane, Broadway and**  
**Elm St.**, twelve-sty office-building; owners, New  
York Life Insurance Co.; architect, S. D. Hatch,  
115 Broadway.**Philadelphia, Pa.**—**D St.**, n Indiana Ave., two-sty  
office; owner, C. Mays, 3005 D St.**PUBLIC BUILDINGS.****Baltimore, Md.**—Plans will be invited by the Court-  
house Commission, City-hall, for the new court-house  
to cost between \$1,500,000 and \$2,000,000.**SCHOOL-HOUSES.****Beeville, Tex.**—School-building to cost about \$20-  
600 will be built.**Chicago, Ill.**—Board of Education, three-sty school-  
house, Cornelia and Paulina Sts.; cost, \$60,000.**Johnstown, Pa.**—School-house.**STABLES.****Boston, Mass.**—**Burroughs St.**, No. 60, rear, cor.  
Pond St., Ward 23, one-sty frame stable, pitch roof,  
42' x 50'; owner, R. M. Morse, Jr.; builders, J. H.  
Burt & Co.**Beacon St.**, rear, No. 518, Ward 22, one-sty iron  
stable, flat roof, 24'5" x 33'8"; owner, Mrs. M. E. F.  
Ayer; builder, C. H. Dodge.**Norfolk St.**, rear, near Washington St., Ward 23,  
one-sty frame stable, 20' x 25'; owners and builders,  
L. Mann & Co.**East Sixth St.**, No. 896, Ward 14, one-sty frame  
stable, flat roof, 16' x 30'; owner, Mrs. Agnes D.  
McKay; builders, McKay Bros.**Keyes St.**, rear, Washington St., Ward 23, one-sty  
frame stable, pitch roof, 24' x 32'; owners, Jamaica  
Plain Gaslight Co.; builder, J. B. McKay.**Holton St.**, rear, No. 35, Ward 25, one-sty frame  
stable, pitch roof, 20' x 24'; owner, G. G. White.**New York, N. Y.**—**East One Hundred and Fifth St.**,  
three-sty brick roof; cost, \$5,000; owner, Charles  
Machovsky, 329 East One Hundred and Fifth St.;  
architect, Edward Wenz, 1491 Third Ave.**Philadelphia, Pa.**—**Lackawanna St.**, n Foulkrod  
St., stable; owner, Daniel Ely, 1901 Foulkrod St.**Kensington Ave.**, n e cor. Wallington St., two-sty  
stable; owner, W. F. Diene, Kensington Ave. and  
Wallington St.**Washington Ave.**, w Twenty-third St., two-sty  
stable; owner, W. S. McHenry, 2225 Catharine St.**South Forty-seventh St.**, No. 1103, two-sty stable;  
contractor, H. Kettler, 1145 South Eighth St.**Seventy-ninth and Brewster Sts.**, one-sty stable;  
owner, John V. Armstrong.**Lombard St.**, e Sixtieth St., one-sty stable;  
owners, Equitable Brick Co., Sixtieth and Pine Sts.**Worcester, Mass.**—**Mountain St.**, one-sty frame  
stable; owner, O. Johnson; day-work.**STORES.****Brooklyn, N. Y.**—**Adams St.**, w s s Front St., 2  
four-sty brick stores and dwells., tin roofs; cost,  
\$10,000; owner's agent, H. B. Turner, 22 William  
St., New York; architects, Lienan & Nash, 64  
Cedar St., New York; builder, Thos. Donlon, Third  
Ave. and Butler St.**Hicks St.**, e s s President St., four-sty brick  
store and tenement, tin roof; cost, \$7,000; owner,  
architect and builder, Frederick Laken, 321 Smith  
St.**Bedford Ave.**, n e cor. North Second St., four-sty  
brick store and dwell., tin roof; cost, \$6,300; owner,  
Henry Hustedt, North Third St. and Bedford Ave.;  
architect, A. Herbert, 147 Broadway; builders,  
O'Keefe & Fuhrmann, 1229 Gates Ave.**Third Ave.**, w s s Forty-sixth St., 2 four-sty  
brick stores and dwells., tin roofs; cost, \$5,000 each;  
owner, Jarvis Masters, Forty-seventh St., near Third  
Ave.; architect, Thos. Bennett, 181 Fifty-seventh  
St.**BUILDING INTELLIGENCE.**

(Stores Continued.)

**Stockholm St.**, w s s Knickerbocker Ave., 3  
three-sty frame stores and dwells., tin roofs; cost,  
\$4,500 each; owners and builders, A. Annan & Son,  
266 Jefferson St.; architects, D. Acker & Son, 752  
Broadway.**Chicago, Ill.**—John Eisenhut, two-sty store and  
shed, 7050 Halsted St.; cost, \$3,500.**James Close**, three-sty store and flats, 421 Austin  
Ave.; cost, \$3,000.**M. Mallory**, three-sty store and flats, 790 Thirty-  
seventh St.; cost, \$7,000.**J. L. S. Hale**, two-sty store and dwell., 1734  
Thirty-ninth St.; cost, \$3,000.**New York, N. Y.**—**Pike St.**, Nos. 47-51, seven-sty  
brick, stone and iron store and factory building;  
architect, Chas. Rentz, 153 Fourth Ave.**White St.**, Nos. 123-132, nine-sty brick store, tin  
roof; cost, \$100,000; owner, Victor Harder, 830  
Union St., Brooklyn; architect, John D. Brazier, 19  
West Twenty-second St.**City Hall Pl.**, No. 30, six-sty brick store, metal  
roof; cost, \$12,000; owner, James Hennesey, 178  
Stuyvesant St., Brooklyn; architect, John B. Snook,  
12 Chamber St.**Philadelphia, Pa.**—**Sixty-third St.**, s Hamilton St.,  
one-sty store; contractor, J. A. Wiker, Sixty-three  
and One-half and Vine Sts.**Poplar St.**, n w cor. Alden St., three-sty brick  
store and dwell.; contractor, C. B. Peacock, 3509  
North Fifth St.**Poplar St.**, w Alden St., three-sty store and  
dwell.; contractor, C. B. Penneck, 3409 North Fifth  
St.**THEATRES.****Abbeville, S. C.**—Opera-house; cost, \$15,000.**WAREHOUSES.****Baltimore, Md.**—Six-sty brick warehouse; owners,  
Terminal Warehouse Co.**Brooklyn, N. Y.**—**North Second St.**, s s s, 50' w Berry  
St., six-sty brick warehouse, felt and gravel roof;  
cost, \$7,500; owner, B. J. Hill, 213 Grand St.; archi-  
tect, A. Herbert, 147 Broadway.**Chicago, Ill.**—**F. C. Partridge**, five-sty warehouse,  
2920-2922 South Park Ave.; cost, \$18,000.**MISCELLANEOUS.****Chicago, Ill.**—**Abel**, two-sty club-house, Church  
and Clark Sts.; cost, \$5,000.**City of Chicago**, two-sty police station, Grand and  
Linden Aves.; cost, \$3,000.**Cincinnati, O.**—**Cincinnati Board of Police Com-  
missioners**, 2 three-sty brick and stone buildings, e s  
Colrain Ave.; cost, \$32,000; architects, Sam. Hanna-  
ford & Sons.**Hot Springs, Ark.**—Club-house to cost \$50,000, will  
be built after plans by Frank P. Burnham, Chicago;  
contractors, Chambers & Co.**New York, N. Y.**—**Sheriff St.**, No. 51, six-sty brick  
workshop, tin roof; cost, \$5,000; owner, Frederick  
Sackett, 155 West One Hundred and Twenty-fifth  
St.; architects, Horenburger & Straub, 122 Broad-  
way.**Philadelphia, Pa.**—**Parrish St.**, w Twenty-eighth  
St., four-sty stock-house; cost, \$85,000; owners,  
Louis Bergdoll Brewing Co.; contractors, Frank  
Sweeney & Co.**Twenty-fifth and Thompson Sts.**, four-sty brewery  
stock-house; contractor, John R. Wiggins, 1111 Arch  
St.**St. Louis, Mo.**—Foundation for church steeple,  
e s Grand St., bet. Cook and Finney Sts.; cost,  
\$5,000; owners, Redemptorist Fathers; contractors,  
Schroeder & Howard.**Storage and office-building**, s s Elm St., bet.  
Fourth St. and Broadway; cost, \$20,000; owners,  
Anheuser Busch & Co.; contract not let.**Washington, D. C.**—**Dancing Academy** and dwell.;  
owner, Allen De Con Mueller.**Worcester, Mass.**—**Summer St.**, two-sty brick  
boiler-house; owners, County of Worcester; con-

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(Miscellaneous Continued.)

tractors, Thos. Barrett & Co.; architects, Fuller & Delano.

## PROPOSALS.

Treasury Department, Office Supervising Architect, Washington, D. C., October 20, 1893. Sealed proposals will be received at this office until 2 o'clock P. M. on the 10th day of November, 1893, and opened immediately thereafter, for all the labor and materials required for the plumbing of the United States Court-house, Post-office, etc., extension at Dallas, Tex., in accordance with the drawings and specification, copies of which may be had at this office or the office of the Superintendent at Dallas, Tex. No convict labor nor the product of any convict labor will be allowed in the work. Each bid must be accompanied by a certified check for a sum not less than two per cent of the amount of the proposal. The right is reserved to reject any or all bids, and to waive any defect or informality in any bid, should it be deemed in the interest of the Government to do so. All bids received after the time stated will be returned to the bidders. Proposals must be enclosed in envelopes sealed and marked "Proposal for Plumbing of the United States Court-house, Post-office, etc., extension at Dallas, Tex.," and addressed to JEREMIAH O'ROURKE, Supervising Architect.

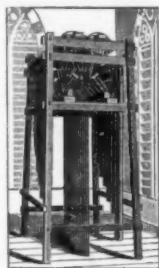
Treasury Department, Office Supervising Architect, Washington, D. C., October 17, 1893. Sealed proposals will be received at this office until 2 o'clock P. M. on the 9th day of November, 1893, and opened immediately thereafter, for all the labor and materials required for the interior finish, etc., of the United States Post-office building at Jackson, Mich., including marble floors, plumbing, lathing, plastering, wood-stairs, joiner-work, wood-flooring, marble-work, painting, polishing, glass, hardware, approaches, etc., in accordance with the drawings and specification, copies of which may be had at this office or the office of the Superintendent at Jackson, Mich. No convict labor nor the use of any product of convict labor will be allowed in the work. Each bid must be accompanied by a certified check for a sum not less than two per cent of the amount of the proposal. The right is reserved to reject any or all bids, and to waive any defect or informality in any bid, if it be deemed in the interest of the Government to do so. All bids received after the time stated will be returned to the bidders. Proposals must be enclosed in envelopes sealed and marked "Proposal for the Interior Finish, etc., of the United States Post-office Building at Jackson, Mich.," and addressed to JEREMIAH O'ROURKE, Supervising Architect.

Treasury Department, Office Supervising Architect, Washington, D. C., October 11, 1893. Sealed proposals

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will be received at this office until 2 o'clock P. M. on the 3d day of November, 1893, and opened immediately thereafter, for all the labor and materials required for the superstructure and completion (except heating apparatus and approaches) of the United States Post-office building at Davenport, Iowa, in accordance with the drawings and specification, copies of which may be had on application at this office or the office of the Superintendent at Davenport, Iowa. No convict labor nor the product of any convict labor will be allowed in the work. Each bid must be accompanied by a certified check for a sum not less than two per cent of the amount of the proposal. The right is reserved to reject any or all bids, and to waive any defect or informality in any bid, if it be deemed in the interest of the Government to do so. All proposals received after the time stated will be returned to the bidders. Proposals must be enclosed in envelopes sealed and marked "Proposal for the Superstructure and Completion (except Heating Apparatus and Approaches) of the United States Post-office Building at Davenport, Iowa," and addressed to JEREMIAH O'ROURKE, Supervising Architect.

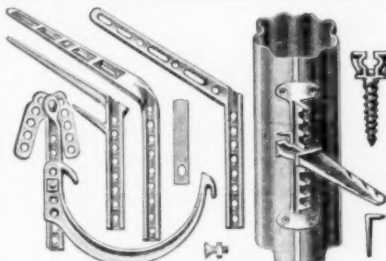
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| <p><b>A.</b><br/>Adee &amp; Co., Fred. ....XV<br/>Aeschlimann &amp; Pellarin. ....XV<br/>Allen's Cement Works (Cov.) 4<br/>Altender, Theo. &amp; Sons. ....12<br/>American Lightning Protection Co. ....V<br/>Anthony &amp; Co., E. &amp; H. T. ....V<br/>Apollo Iron &amp; Steel Co. ....(Cov.) 2<br/>Armstrong &amp; Co., Maitland. ....31</p> <p><b>B.</b><br/>Babcock &amp; Wilcox. ....XV<br/>Baily &amp; Truitt. ....XV<br/>Baltimore Roofing Tile Co. ....(Cov.) 3<br/>Bardley, J. ....(Cov.) 3<br/>Batterton, See &amp; Elsie. ....3<br/>Belmont Iron Works. ....E<br/>Berger Bros. ....XV<br/>Berry Bros. ....XV<br/>Bickelhaupt, G. ....(Cov.) 2<br/>Bischhoff &amp; Co., Fred F. ....M<br/>Blake Bell Co. ....E<br/>Bolles, J. E. ....E<br/>Bridgeport Wood Finishing Co. ....E<br/>Briarty, W. R. ....E<br/>Brooks, Shoebridge &amp; Co. ....(Cov.) 3<br/>Brooks, T. H. &amp; Co. ....M<br/>Brownville Maine Slate Co. ....XV<br/>Bureau Bros. ....M<br/>Burditt &amp; Williams. ....XV</p> <p><b>C.</b><br/>Cabaret, Paul E. ....E<br/>Cabot, S. ....XV<br/>Central Expanded Metal Co. ....E<br/>Chrome Steel Works. ....XV<br/>Clark, Bunnett &amp; Co. ....(Cov.) 4<br/>Clark, G. S. ....E<br/>Clarkson, T. S. ....XV<br/>Clay Shingle Co. ....E<br/>Clinton Wire Cloth Co. ....XV<br/>Comstock, Wm. T. ....E<br/>Conover &amp; Co., J. S. ....(Cov.) 4<br/>Continental Insurance Co. ....(Cov.) 4<br/>Cortright Metal Roofing Co. ....(Cov.) 11<br/>Crane Elevator Co. ....XV<br/>Cudell, F. E. ....XV<br/>Cutter Electrical and Mfg. Co. ....E<br/>Cutter Mfg. Co. ....E</p> <p><b>D.</b><br/>Dauchy Iron Works. ....XV<br/>Detroit Sanitary Supply Co. ....XV<br/>Devoe &amp; Co., F. W. ....XV<br/>Dexter Bros. ....(Cov.) 3<br/>Dickinson Bros. &amp; King. ....(Cov.) 3<br/>Dixon Crucible Co., J. W. ....E<br/>Du Bau Mfg. Co. ....XV<br/>Duggan, T. 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# Norman Monuments

— OF —

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The author recently made a journey to Sicily and during his stay there devoted his time to the study of the Norman monuments. This work therefore represents a study by a practical architect and the text simply attempts to familiarize the reader with the circumstances under which these wonderful monuments were created, and with some of the peculiar technical processes employed in their construction and decoration.

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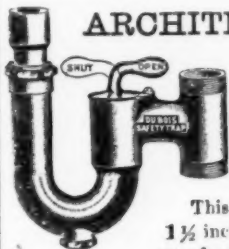


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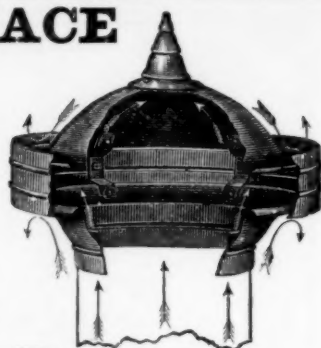
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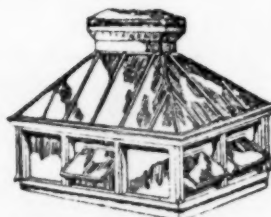
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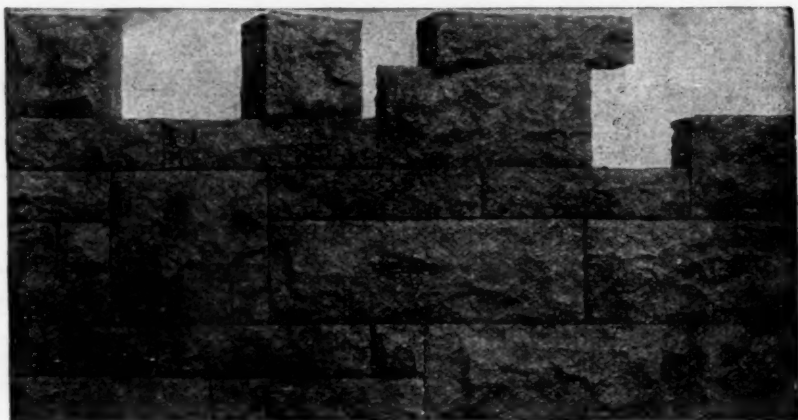
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[See Alphabetical Index on page XV for Pagination.]

## Classified Advertisements.

[Advertisers can be indexed only under a single head free of charge.]

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| <b>Air Valves.</b> Hodge Bros., Boston, Mass.<br><b>Antinomia.</b> W. H. Schieffelin & Co., New York, N. Y. (saw)<br><b>Annunciators.</b> W. R. Ostrander & Co., New York.<br><b>Architects.</b> Bailey & Truett, Philadelphia, Pa. (mon)<br><b>Architect's Materials.</b> Frost & Adams, Boston. (saw)<br><b>Architectural Sheet-Metal Ornamental Works.</b> W. H. Mullins, Salem, O.<br><b>Artificial Stone.</b> Wenn Pavement Co., New York, N. Y. (saw)<br><b>Asbestos Felt &amp; Boiler Coverings.</b> H. W. Johns Mfg. Co., New York<br><b>Asbestos Felts.</b> H. F. Watson Co., Erie, Pa.<br><b>Asbestos Paint.</b> H. W. Johns Mfg. Co., New York<br><b>Asphalt.</b> Neuchâtel Asphalt Co., New York<br><b>New York Mastic Works, New York, N. Y.</b><br><b>Asphalt Roofing.</b> Warren Chemical & Mfg. Co., New York<br><b>Basin Cocks.</b> Stebbins Mfg. Co., Brighton, Mass. (saw)<br><b>Baths-Tub.</b> Fred. F. Buschhoff & Co., Chicago, Ill. (mon)<br><b>Miller &amp; Coates, New York</b><br><b>J. L. Mott Iron Works, New York</b><br><b>Standard Mfg. Co., Pittsburgh, Pa. (saw)</b><br><b>Bells.</b> Blake Bell Co., Boston, Mass.<br><b>U. S. Tubular Bell Co.</b><br><b>Blue Prints.</b> Spaulding & Mott, Boston, Mass. (saw)<br><b>Boilers.</b> Babcock & Wilcox Co., New York<br><b>Randolph &amp; Clowes, Watertown, Conn.</b><br><b>Books and Journals.</b> Babcock & Wilcox Co., New York | <b>Books and Journals. (Continued.)</b><br><b>Win. T. Comstock, New York</b><br><b>Hessling &amp; Spielmeier, New York, N. Y.</b><br><b>Decker &amp; Co., Boston</b><br><b>Brass Goods.</b> J. B. Shannon & Sons, Philadelphia. (mon)<br><b>Brick Ashlar.</b> Fiske, Homes & Co., Boston<br><b>Brick (Colored).</b> Jordan Brick Co., Philadelphia, Pa.<br><b>Brick (Ornamental).</b> Fleming Cement & Brick Co., New York. (saw)<br><b>W. H. Gates, Boston, Mass.</b><br><b>Hydraulic Press Brick Co., St. Louis</b><br><b>Peerless Brick Co., Philadelphia, Pa.</b><br><b>Waldo Bros., Boston</b><br><b>Brick Machine.</b> The Frey, Sheckler Co., Bucyrus, O. (saw)<br><b>Bronze-work.</b> Bureau Bros., Philadelphia, Pa. (mon)<br><b>M. J. Power, New York</b><br><b>Bronze and Brass Work.</b> Paul E. Cabaret, New York, N. Y.<br><b>Building Felt (Fire and Waterproof).</b> H. W. Johns Mfg. Co., New York<br><b>Building Papers.</b> H. F. Watson Co., Erie, Pa.<br><b>Ceilings (Metal).</b> New York Metal Ceiling Co., New York, N. Y.<br><b>H. S. Northrop, New York, N. Y. (mon)</b><br><b>The Kimmer &amp; Gager Co., Columbus, O. (saw)</b><br><b>Cements (Hydraulic).</b> F. O. Norton Cement Co., N. Y.<br><b>Cement.</b> Alton's Cement Works, New York, N. Y. (saw)<br><b>Brooks, Shoolbridge &amp; Co., New York</b><br><b>Fleming Cement &amp; Brick Co., New York. (saw)</b><br><b>Johnson &amp; Wilson, New York</b><br><b>J. B. King &amp; Co., New York</b><br><b>Lawrence Cement Co., New York, N. Y.</b> | <b>Cement. (Continued.)</b><br><b>E. Fiske, New York, N. Y.</b><br><b>Chimney Tops.</b> H. M. Hansen, Chicago, Ill. (mon)<br><b>Chrome Steel Castings.</b> Chrome Steel Works, Brooklyn, N. Y. (saw)<br><b>Clay Shingles.</b> Clay Shingle Co., Indianapolis, Ind.<br><b>Conductors (Water).</b> W. Austin Oddy & Co., Philadelphia<br><b>Boston Spiral Tube Works, Boston</b><br><b>Sonderling Standing-Beam Conductor Co., Allegheny, Pa.</b><br><b>Conservatories.</b> Lord & Burnham Co., Irvington-on-Hudson, N. Y.<br><b>Consulting Engineer.</b> George Hill, New York, N. Y.<br><b>Contracting.</b> Flynn Building & Construction Co., Palmer, Mass.<br><b>Cordage.</b> Samson Cordage Works, Boston. (saw)<br><b>Crescote Stairs.</b> S. Cabot, Boston, Mass.<br><b>Coverings. (Boiler &amp; Pipe.)</b> H. W. Johns Mfg. Co., New York, N. Y.<br><b>Decorators.</b> L. Haberstroff & Son, Boston<br><b>Donald McDonald, Boston</b><br><b>Door Hangers.</b> Lane Bros., Poughkeepsie, N. Y.<br><b>Door-Knob's.</b> J. Bardley, New York, N. Y.<br><b>Drawing Ink.</b> Chas. N. Huggins, Brooklyn, N. Y.<br><b>Drawing Instruments.</b> Theo. Alford & Sons, Philadelphia, Pa. (saw)<br><b>Electric Switch.</b> Cutler Electrical & Mfg. Co., Philadelphia, Pa. | <b>Elevators, etc.</b> Crane Elevator Co., Chicago, Ill.<br><b>Graves Elevator Co., Rochester, N. Y.</b><br><b>Volney W. Mason &amp; Co., Providence, R. I.</b><br><b>Moore &amp; Wymann, Boston</b><br><b>Morse, Williams &amp; Co., Philadelphia</b><br><b>Otis Brothers &amp; Co., New York</b><br><b>Springfield Foundry Co., Springfield, Mass.</b><br><b>Standard Elevator Co., Chicago, Ill.</b><br><b>Whittier Machine Co., Boston</b><br><b>Elevator Cars and Enclosures.</b> J. E. Boiles & Co., Detroit, Mich. (saw)<br><b>Engineering Help.</b> The Engineering Employment Bureau<br><b>Fan (Ventilating).</b> Hayett & Smith Mfg. Co., Detroit, Mich.<br><b>Fireproof Building.</b> Henry Maurer, New York<br><b>Pioneer Fireproof Construction Co., Chicago, Ill.</b><br><b>Fireproof Construction.</b> Gustavine Fireproof Construction Co., N. Y.<br><b>Fireproof Lathing.</b> Hayes Metallic Lathing, New York<br><b>Floors (Hardwood).</b> The Interior Hardwood Co., Indianapolis, Ind.<br><b>Wood Mosaic Co., Rochester, N. Y. (saw)</b><br><b>Floors (Inlaid).</b> National Wood Mfg. Co., N. Y.<br><b>Gas-Machines.</b> Turrell Gas-Machine Co., New York<br><b>Gates. Wm. H. Pitt, New York, N. Y. (mon).</b><br><b>Glass (Bank).</b> M. A. Smith Newark, N. J. (mon)<br><b>Glass (Stained and Ornamental).</b> Mailand Armstrong & Co., New York<br><b>Mathews Decorative Glass Co., New York</b><br><b>Donald MacDonald, Boston</b><br><b>Tiffany Glass &amp; Decorating Co., New York</b><br><b>Grates, etc.</b> J. B. Conover & Co., New York |
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## Hollow Fire-Clay and Porous Terra-Cotta Bricks

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Cooper, Hewitt &amp; Co., New York.

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Passaic Rolling Mill Co., Paterson, N. J.

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Pittsburgh Architectural Iron Works, Pittsburg, Pa.

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Oakley &amp; Keating, New York.

Troy Laundry Machinery Co., Troy.

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American Lightning Protection Co.

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Link Belt Engineering Co., Philadelphia, Pa.

## Mail Chutes.

Cutter Manufg. Co., Rochester, N. Y.

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Pennsylvania State Co., New York.

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John Williams, New York.

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To Match all Colors in Brick and Stone.

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5,000,000 Pressed Front Bricks,

600 Different Designs and Shapes:

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AND  
OF ALL SHAPES.

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Chief Engineer's Office, Grand Central Depot.

JOHN D. FOUQUET, Architect.

NEW YORK, February 25, 1889.

**Messrs. J. B. KING & CO.,**  
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GENTLEMEN:—In reply to yours of yesterday, I would say that we have given your WINDSOR CEMENT  
PLASTER a fair trial, first on the Niagara Falls Passenger Station, and afterwards on the R. R. Men's Build-  
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Its strength and rapid working make it superior to any plaster heretofore used by me for station build-  
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plaster, and instead of using plaster we generally resort to the more expensive method of ceiling with wood,  
which is not as cleanly, and in many cases not as desirable as plaster, which renders the building more light  
and cheerful and warmer in winter. I looked into the matter thoroughly and found favorable reports from  
practical plasterers using it in the city on expensive buildings before I would take the risk of using a new  
material which I knew only by samples left in office, and am thus far well pleased with results and expect  
to continue using it on future work.

Yours very truly,

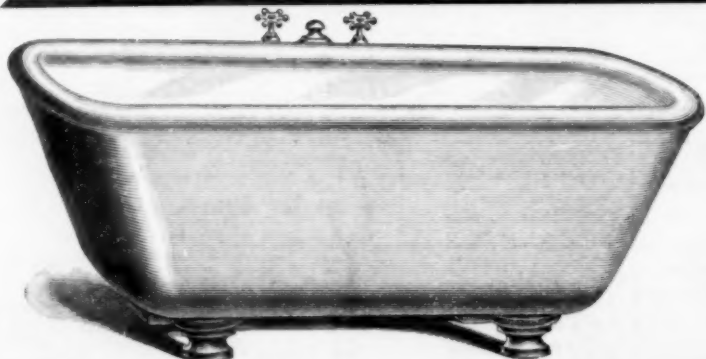
(Signed) JOHN D. FOUQUET, Architect.

SINCE WRITING THE ABOVE WE HAVE CONTINUED TO USE THE ABOVE DESCRIBED MATERIAL WITH  
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JOHN D. FOUQUET, Architect.

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ROLLED EDGE.

"SLUICE" Syphon Jet Water Closet.

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For Bathrooms, Halls and Vestibules; Glazed,  
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We challenge any one to show us a house where our stain has washed off.

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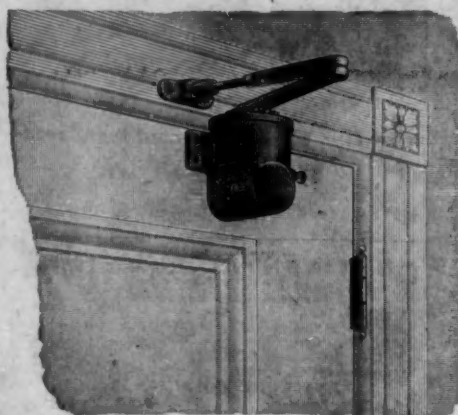
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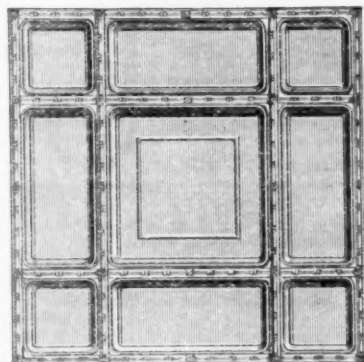
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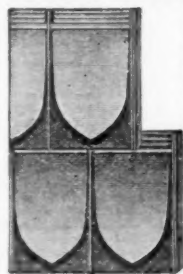


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| 65 00 @ 75 00   | 55 00 @ 70 00    | 42 00 @ 50 00    | 48 00 @ 55 00   |
| 55 00 @ 60 00   | 42 00 @ 50 00    | 27 00 @ 38 00    | 40 00 @ 45 00   |
| 18 00 @ 22 00   | 35 00 @ 40 00    | 14 00 @ 20 00    | 30 00 @ 35 00   |
| 25 00 @ 25 00   | 12 00 @ 25 00    | Not sold.        | 16 00 @ 20 00   |
| 13 00 @ 15 00   | 13 00 @ 15 00    | 12 00 @ 12 00    | 11 25 @ 13 50   |
| 20 00 @ 40 00   | 25 00 @ 35 00    | 21 00 @ 34 00    | 14 00 @ 29 00   |
| 31 00 @ 40 00   | 31 00 @ 40 00    | 18 00 @ 34 00    | @ 35 00         |
| @               | 38 00 @ 60 00    | 19 00 @ 24 00    | 14 00 @ 25 00   |
| @               | 23 00 @ 38 00    | Not sold.        | Not sold.       |
| 14 00 @ 18 00   | 14 50 @ 18 00    | 12 00 @ 17 50    | 25 00 @ 37 30   |
| 12 00 @ 16 00   | 13 00 @ 15 00    | Not sold.        | 16 00 @ 18 00   |
| 18 00 @ 21 00   | 22 00 @ 35 00    | 10 00 @ 13 00    | 13 00 @ 17 00   |
|                 |                  | 24 00 @ 34 00    | 22 00 @ 28 00   |
| Slab { 2 00     | 2 25 @ 2 50      | @ 2 65           | 2 75 @ 3 00     |
|                 | 2 00 @ 3 00      | Not sold.        | 2 30 @ 3 00     |
| 5 00 @ 6 00     | @                | Not sold.        |                 |
| 4 00 @ 5 00     | @ 4 50           | 2 60 @ 3 15      |                 |
| 1 50 @ 2 00     | 1 50 @ 00        | Not sold.        |                 |
| 1 40 @ 1 60     | 3 25 @ 3 75      | 6 00 @ 7 50      | (30" @ 35 @ 40  |
| @               | @                | Not sold.        | 24" @ 8 @ 21    |
| 2 00 @ 3 75     | 2 00 @ 3 75      | 2 60 @ 2 75      | (20" @ 35 @ 14  |
| 18 00 @ 20 00   | 5 00 @ 6 00      | 3 50 @ 4 00      | 11 00 @ 14 00   |
| 4 1/2 @ 5 1/2   | Piles 6c. P. ft. | Cut to order.    |                 |
| 8 00 @ 10 00    | 10 00 @ 18 00    | P. 10 00 @ 22 00 | 9 00 @ 13 00    |
| @               | 25 00 @ 50       | 9 @ 21           | 40 @ 1 25       |
| @               | 25 00 @ 50       | Not sold.        | 20 @ 80 00      |
| @ 55 00         | 45 00 @ 60 00    | 14 00 @ 30 00    | 42 50 @ 47 50   |
| 80 00 @ 120 00  | 90 00 @ 120 00   | 35 00 @ 90 00    | 100 00 @ 120 00 |
| 40 00 @ 60 00   | 60 00 @ 70 00    | 17 00 @ 35 00    | 70 00 @ 80 00   |
| @ 180 00        | 160 00 @ 170 00  |                  |                 |
| @ 350 30        | 120 00 @ 350 00  | 110 00 @ 170 00  | 150 00 @ 250 00 |
| 45 00 @ 50 00   | 45 00 @ 50 00    | 200 00 @ 250 00  | 200 00 @ 400 00 |
| @ 70 00         | @ 80 00          | 12 00 @ 20 00    | 25 00 @ 55 00   |
| @ 70 00         | @ 80 00          | 17 00 @ 27 00    | 42 50 @ 55 00   |
| @ 70 00         | 50 00 @ 55 00    | 16 00 @ 28 00    | 45 00 @ 55 00   |
| @ 90 00         | 65 00 @ 75 00    | 34 00 @ 40 00    | 60 00 @ 75 00   |
| 65 00 @ 70 00   | 50 00 @ 65 00    | 25 00 @ 28 00    | 57 50 @ 65 00   |
| 60 00 @ 70 00   | 50 00 @ 75 00    | 33 00 @ 50 00    | @ 65 00         |
| @ 6             | 60 00 @ 70 00    | 40 00 @ 45 00    | 60 00 @ 75 00   |
| 125 00 @ 150 00 | 32 00 @ 35 00    | per M. 600 00    |                 |
| 45 00 @ 50 00   | 85 00 @ 120 00   | 40 00 @ 75 00    | 50 00 @ 170 00  |
| @ 45 00         | 40 00 @ 45 00    | 14 00 @ 30 00    | 25 00 @ 40 00   |
|                 | 40 00 @ 42 00    | 31 00 @ 34 00    | @ 42 00         |



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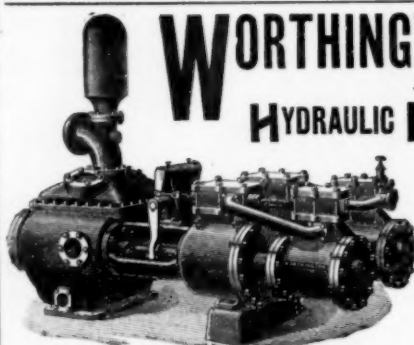
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|                                      | New York.           | Boston.               | Chicago.                              | Philadelphia.             |
|--------------------------------------|---------------------|-----------------------|---------------------------------------|---------------------------|
|                                      | (Wholesale Prices.) |                       | (Prices to Builders and Contractors.) |                           |
| <b>BRICK.—P. M.</b>                  |                     |                       |                                       |                           |
| Common: Cargo afloat.                |                     |                       |                                       | In Yard.                  |
| Pale.....                            | 1 75 @ 2 00         | Eastern               | Building Brick                        | Sq. Hard @ 9 00           |
| Jersey.....                          | 3 75 @ 4 25         | 9 00 @ 10 00          | @ 5 00                                | " @ 7 00                  |
| Long Island.....                     | @                   |                       |                                       | Salmon @ 5 00             |
| Up River.....                        | 4 00 @ 5 00         |                       |                                       | Sq. " @ 9 00              |
| Haverstraw Bay 2d.....               | 4 50 @ 4 75         | Domestic Com.         | Indiana Pressed                       | Light Stretchers @ 10 00  |
| " 1st.....                           | 5 00 @ 5 25         | 9 50 @ 10 00          | 14 00 @ 20 00                         | Medium " @ 12 00          |
| Hollow.....                          | @ 13 00             | Domestic Face         | St. Louis Fronts                      | Red " @ 13 00             |
| Fronts:                              |                     | 20 00 @ 22 00         | @ 27 00                               | Dark " @ 13 00            |
| Croton, Brown.....                   | 9 00 @ 12 00        | Philadelphia          |                                       | Pressed @ 13 00           |
| " dark.....                          | 10 00 @ 13 00       | 40 00 @ 45 00         |                                       | Best Paving @ 14 00       |
| " red.....                           | 10 00 @ 13 00       | Phila. mould          |                                       | Second " @ 13 00          |
| Chicago pressed (Anderson).....      |                     | 50 00 @ 80 00         |                                       | Third " @ 12 00           |
| " Moulded.....                       |                     |                       |                                       | Dom. { @ 65               |
| Baltimore.....                       | 37 00 @ 41 00       |                       |                                       | @ 82                      |
| Philadelphia.....                    | 23 00 @ 24 00       |                       |                                       |                           |
| Trenton.....                         | @ 19 00             |                       |                                       |                           |
| Milwaukee.....                       |                     |                       |                                       |                           |
| <b>Moulded:</b>                      |                     |                       |                                       |                           |
| Glens Falls Red Pressed.....         | @ 37 00             |                       |                                       |                           |
| " Buff.....                          | @ 30 00             |                       |                                       |                           |
| " Moulded Red & Buff.....            | 45 00 @ 70 00       |                       |                                       |                           |
| <b>Enamelled: Imp.</b>               |                     |                       |                                       |                           |
| Enamelled (edge).....                | 85 00 @ 100 00      |                       |                                       |                           |
| Enamelled (edge and end).....        | 90 00 @ 115 00      |                       |                                       |                           |
| <b>CEMENT, LIME, etc.—(P. M.)</b>    |                     |                       |                                       |                           |
| Rosendale Cement.....                | 95 @ 1 10           | 1 15 @ 1 25           | Not sold.                             | 1 30 @ 1 50               |
| Louisville.....                      |                     | Brooks, S. & Co.      | 1 05 @ 1 15                           | BS&Co 2 75 @ 3 00         |
| Utica, Akron, Buffalo, Milw'kee..... | Not sold.           | 2 40 @ 2 75           | 1 00 @ 1 10                           | 2 85 @ 3 25               |
| Portland, English (Gibbs).....       | 2 25 @ 2 50         | 2 40 @ 2 75           | 3 00 @ 3 10                           | 2 85 @ 3 15               |
| " (K. B. & S.).....                  | 2 50 @ 3 00         | 2 40 @ 2 75           | 3 00 @ 3 25                           | 2 75 @ 3 00               |
| " Black Cross.....                   | 2 25 @ 2 50         | 2 40 @ 2 75           | 3 00 @ 3 25                           | 2 85 @ 3 15               |
| " (Burnham).....                     | 2 50 @ 2 50         | 2 40 @ 2 75           | 2 90 @ 3 15                           | 2 75 @ 2 85               |
| " (White's).....                     | 2 65 @ 3 00         | 2 40 @ 2 75           | 3 00 @ 3 25                           |                           |
| " French (Lafarge).....              | 3 60 @ 3 75         | @ 5 00                | 3 75 @ 4 25                           |                           |
| " German (Alsen).....                | 2 50 @ 3 25         | 3 00 @ 3 50           | @ 3 20                                | Hemmoor 2 50 @ 2 75       |
| " (Fowler).....                      | 2 25 @ 2 40         |                       | @ 3 40                                | 2 75 @ 2 85               |
| " (Lagerlofer).....                  | 2 50 @ 2 90         |                       |                                       |                           |
| " (Dyckerhoff).....                  | 2 60 @ 2 90         | Cleopatra 2 40 @ 2 75 | 2 75 @ 3 00                           | Josson 2 60 @ 2 75        |
| " (Hanover).....                     | 2 50 @ 3 00         | 3 00 @ 3 50           | 3 25 @ 3 50                           | 3 00 @ 3 25               |
| " Stettin (Anchor).....              | 2 35 @ 2 85         | Condor 2 50 @ 2 75    | Not sold.                             | 2 75 @ 2 85               |
| " American (Saylor's).....           | 2 15 @ 2 25         | Wedge 2 40 @ 2 75     | Not sold.                             |                           |
| Roman.....                           | 2 75 @ 3 00         | 2 15 @ 2 50           | 2 60 @ 2 70                           | 2 70 @ 3 00               |
| Keene's coarse.....                  | 4 50 @ 5 00         | @ 3 50                | 2 75 @ 3 25                           | 3 00 @ 3 50               |
| " superfine.....                     | 5 00 @ 5 50         | @ 6 00                | 6 00 @ 7 00                           | 6 50 @ 7 00               |
|                                      |                     | 7 00 @ 9 00           | 9 00 @ 10 50                          | 8 00 @ 9 00               |
| <b>Lime:</b>                         |                     |                       |                                       |                           |
| Lime of Teil.....                    | 3 50 @ 4 00         |                       |                                       |                           |
| Hydraulic Lime.....                  | @ 1 45              | @ 1 35                | Not sold.                             | White Lime P bush 25 @ 30 |
| Chicago Lime in bulk.....            | { St. John 1 00     | St. John 1 00         | 60 @ 70                               | { White Mash 1 25 @ 1 50  |
| Wisconsin Lime.....                  | @ 95                | @ 1 05                | Not sold.                             | 1 00 @ 1 00               |
| Rockland and Rockport, (Com.).....   | @ 1 10              | @ 1 10                | Not sold.                             |                           |
| Rockland and Rockport, finish.....   | @ 1 20              | @ 1 20                | 1 00 bulk, 75c.                       |                           |
| Kelley Island Lime, finish.....      |                     |                       | Not sold.                             | Not sold.                 |
| State, com. cargo rates (nom.).....  | 80 @ 85             | Not sold.             | Not sold.                             | Not sold.                 |
| State, finishing.....                | 1 05 @ 1 10         | Not sold.             | Not sold.                             | Not sold.                 |
| Plaster of Paris (calcined).....     | 1 40 @ 1 50         | 1 85 @ 2 00           | 1 85 @ 1 90                           | 1 50 @ 2 25               |
| " (casting).....                     | @ 1 60              | @ 2 25                | 1 85 @ 1 90                           | 1 75 @ 2 50               |
| Hair (Cattle) P bush.....            | 18 @ 21             | 25 @ 30               | 16 @ 20                               | 20 @ 25                   |
| " (Goat).....                        | 21 @ 25             | @ 30                  | 30 @ 35                               | 30 @ 35                   |
| Sand, P load.....                    | 1 00 @ 1 25         | 1 75 @ 1 90           | @ 60                                  | @ 1 50                    |
| <b>STONE. (P cubic foot, rough.)</b> |                     |                       |                                       |                           |
| Granite: (Maine)                     |                     | @ 60                  |                                       | 55 @ 65                   |
| Limestone:                           |                     |                       |                                       |                           |
| Bedford.....                         | 45 @ 1 25           | 95 @ 1 00             | 50 @                                  | 75 @ 85                   |
| Joliet.....                          | 1 00                |                       | 35 @ 55                               | Richmond 75 @ 1 50        |
| Lemont.....                          |                     |                       | 3 @ 60                                | P 75 @ 1 50               |
| Serpentine.....                      |                     |                       | @ 1 00                                | Perch 4 50 @ 5 50         |
|                                      |                     | 10 50 per ton         |                                       |                           |

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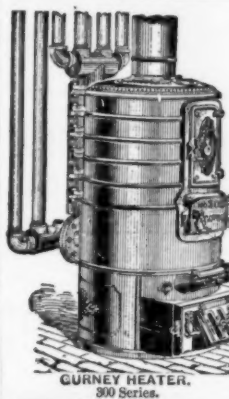


## BUILDING MATERIALS.

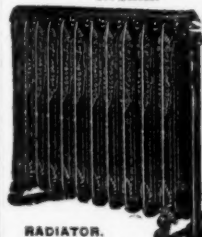
|                                            | New York.                                                      | Boston.       | Chicago.          | Philadelphia.     |
|--------------------------------------------|----------------------------------------------------------------|---------------|-------------------|-------------------|
| <b>Foundation:</b>                         | <i>Wholesale Prices.) (Prices to Builders and Contractors,</i> |               |                   |                   |
| Dimension.....                             | 5 00 @ 500                                                     | 5 00 @ 500    | 20 @              | 5 00              |
| Block.....                                 | 4 60 @ 500                                                     | 4 60 @ 500    | 20 @              | 5 00              |
| Rubble.....                                | 1 25 @ 150                                                     | 1 25 @ 150    | 8 50 @            | 1 45 @ 250        |
| Blue stone: (P sq. ft.)                    |                                                                |               |                   |                   |
| Sidewalk.....                              | 30 @ 5 00                                                      | 40 @ 1 75     | 75 @ 1 00         | 1 in. th. 10 @ 25 |
| Planed.....                                | 50 @ 6 00                                                      | 50 @ 75       | 50 @ 1 00         | 37 @ 50           |
| <b>Sandstone:</b>                          |                                                                |               |                   |                   |
| Longmeadow.....                            | 80 @                                                           | 80 @ 90       |                   | 95 @ 1 05         |
| Kilboe.....                                | 90 @                                                           | 90 @ 1 10     |                   | 1 05 @ 1 25       |
| Brown (Connecticut).....                   | 1 00 @                                                         | 1 25 @ 1 45   | 1 50 @ cub. ft.   | 85 @ 95           |
| Amherst Ohio.....                          | 90 @ 95                                                        | 90 @ 1 00     | 45 @ 50           | 55 @ 75           |
| Berea.....                                 | 75 @ 1 00                                                      | 85 @ 90       | 45 @ 55           | 85 @ 95           |
| Berlin.....                                | 75 @ 1 00                                                      | 80 @ 90       | 55 @ 65           | 1 00 @ 1 10       |
| Bellefonte.....                            | 80 @ 1 25                                                      | 1 25 @ 1 35   | 1 25 @            | 1 05 @ 1 15       |
| New Brunswick (Dorchester).....            | 80 @ 1 00                                                      | 75 @ 90       |                   | 1 25 @ 1 35       |
| Caen.....                                  |                                                                | 2 00 @        |                   | 95 @ 1 05         |
| Carlisle, English.....                     | 1 05 @                                                         | 1 05 @        |                   | 95 @ 1 05         |
| Corse Hill (Scotch).....                   | 1 05 @                                                         | 1 05 @        |                   | 95 @ 1 05         |
| <b>Marble: (P cu. ft.)</b>                 |                                                                |               |                   |                   |
| Lee, Mass.....                             |                                                                | 1 75 @ 2 50   | Not Sold.         | 2 00 @ 2 50       |
| Rutland, white and blue.....               |                                                                | 3 00 @        | 3 50 @ 6 00       | 2 00 @ 3 00       |
| Sutherland Falls.....                      | 1 25 @ 1 75                                                    | 2 00 @        | 3 50 @ 6 00       | 1 70 @ 3 00       |
| Glens Falls, black.....                    |                                                                |               | Not Sold.         | 4 00 @ 4 50       |
| Italian, blue-veined.....                  |                                                                |               | 4 40 @            | 2 50 @ 2 75       |
| " Sienna.....                              |                                                                |               | Not Sold.         | 4 00 @ 6 00       |
| Tennessee, red.....                        |                                                                |               | 4 40 @            | 3 00 @ 4 00       |
| " Knoxville.....                           |                                                                |               | 4 40 @            | 2 00 @ 3 00       |
| Pennsylvania, blue.....                    |                                                                |               | Not Sold.         | 2 25 @ 3 00       |
| Vermont, white.....                        |                                                                |               | 3 50 @ 6 00       |                   |
| <b>Slate: Roofing (P square)</b>           |                                                                |               |                   |                   |
| " green.....                               | 5 00 @ 6 00                                                    | 4 75 @ 5 25   | 5 50 @ 6 10       | 2 30 @ 3 00       |
| " unfading.....                            | 5 00 @ 6 00                                                    | 5 50 @ 6 50   | 6 50 @ 7 10       | 3 25 @ 3 75       |
| " purple.....                              | 5 00 @ 6 00                                                    | 5 50 @ 6 50   | 6 50 @ 7 10       | 3 50 @ 4 50       |
| " red.....                                 | 4 25 @ 4 75                                                    | 10 00 @ 11 00 | 12 00 @ 14 00     | 50 @ 10 25        |
| " black, Lehigh.....                       |                                                                |               | 6 25 @ 6 85       | 25 @ 4 00         |
| " Chapmans.....                            |                                                                |               | 7 30 @ 8 00       | 90 @ 4 65         |
| " Unfading black, Monson, Me.....          | 5 50 @ 8 00                                                    | 5 50 @ 8 00   | 6 00 @ 9 00       | 5 50 @ 8 00       |
| Tiles, Am.....                             |                                                                |               | Not Sold.         | 6 00 @ 6 75       |
| N. Peach Bottom, warranted unfading.....   |                                                                |               |                   |                   |
| <b>PAINTS. (In Oil P lb.)</b>              |                                                                |               |                   |                   |
| White lead, Am.....                        | 7 @ 7 1/2                                                      | 6 1/2 @ 7     | 7 @ 7 1/2         | 7 @ 7 1/2         |
| " zinc.....                                | 5 @ 8                                                          | 6 @ 8         | 5 @ 10 1/2        | 7 @ 7 1/2         |
| Red lead, Am.....                          | 6 1/2 @ 7                                                      | 6 1/2 @ 7     | 6 1/2 @ 7         | 7 @ 7 1/2         |
| " Venetian.....                            | 6 @ 10 1/2                                                     | 7 @ 12        | 1 1/2 @ 2 1/2     | 6 1/2 @ 7         |
| " Vermillion.....                          | 65 @ 70                                                        | 70 @ 5 dry    | 12 @ 20           | 6 1/2 @ 7         |
| " Indian, Eng.....                         | 12 @ 20                                                        | 12 @ 20       | 3 @ 15            | 15 @ 20           |
| Yellow Ochre.....                          | 6 @ 15                                                         | 7 @ 12        | 3 @ 15            | 15 @ 20           |
| " Chrome.....                              | 8 @ 13                                                         | 8 @ 20        | 8 @ 20            | 15 @ 20           |
| Green (chrome).....                        | 25 @ 40                                                        | 25 @ 40       | 18 @ 35           | 15 @ 20           |
| Green, Paris.....                          | 15 @ 25                                                        | 15 @ 25       | 8 @ 30            | 15 @ 20           |
| Black, lamp.....                           | 12 @ 18                                                        | 18 @ 30       | 12 @ 35           | 10 @ 24           |
| Blue, ultramarine.....                     | 55 @ 62                                                        | 41 @ 42       | 57 @ 60           | 10 @ 24           |
| Oil, linseed, (raw).....                   | 58 @ 65                                                        | 44 @ 45       | 60 @ 63           | 10 @ 24           |
| " boiled.....                              | 36 @ 37                                                        | 150 @ 6 00    | 40 @ 42           | 10 @ 24           |
| Turpentine.....                            |                                                                | 2 50 @ 3 00   | 1 25 @ 2 00       | 125 @ 3 00        |
| Varnish, coach.....                        |                                                                | 2 @ 4         | 2 @ 2 1/2         | 150 @ 3 00        |
| Shellac.....                               |                                                                | 1 @ 1 1/2     | 1 @ 1 1/2         | 2 @ 2 1/2         |
| Putty.....                                 | 2 @ 5                                                          | 1 @ 1 1/2     | 1 @ 1 1/2         | 1 1/2 @ 2         |
| Whiting.....                               | 1 30 @ 2 00                                                    | 2 @ 3         | 1 @ 2             | 1 1/2 @ 2         |
| Paris white, (Eng.).....                   | 5 @ 6                                                          | 6 @ 7         | 6 @ 7             | 1 1/2 @ 2         |
| Litharge, Am.....                          | 14 @ 20                                                        | 14 @ 20       | 4 @ 16            | 4 @ 14            |
| Sienna (burnt).....                        | 14 @ 20                                                        | 14 @ 20       | 2 @ 10            | 2 @ 13            |
| Umber.....                                 |                                                                |               |                   |                   |
| <b>HARDWARE.</b>                           |                                                                |               |                   |                   |
| Nails: (Per Cask.) Spikes, (wrought.)      | 2 85 @                                                         |               | 2 35 @ 3 50       | per keg @ 2 35    |
| 10d. common.....                           | 2 60 @                                                         | 2 20 @        | 1 95 @            | 2 30 @            |
| Shingle.....                               | 3 35 @                                                         | 2 65 @        | 2 35 @            | 2 60 @            |
| Lath.....                                  | 4 85 @                                                         | 3 20 @        | 3 25 @            | 3 60 @ 4 75       |
| (Finishing nails according to size.)       |                                                                |               | Add .85 to \$2.25 | per lb 4 @ 6      |
| (For casing nails add 75 c. per keg.)      |                                                                |               | .50 to .90        | Add per cask      |
| Butts: 4" x 4"..... (P doz. pairs.)        |                                                                |               |                   | 2 90 (all kinds.) |
| Plain.....                                 | 1 00 @                                                         | 1 20 @        | 90 @              | 90 @              |
| Japanned.....                              | 1 50 @                                                         | 1 75 @        | Not Sold.         | 1 35 @ 2 00       |
| Acorn, Japanned.....                       | 1 50 @                                                         | 1 90 @        | 2 00 @ 3 75       | 1 35 @ 2 75       |
| Ball Tip, Boston Finish..... (P pair.)     | 65 @                                                           | 50 @          | Not Sold.         | 48 @ 50           |
| Bronze metal.....                          | 1 90 @                                                         | plain 1 65 @  | 2 00 @ 3 25       | 50 @ 1 25         |
| Brass (for cupboards).....                 | 10 @                                                           | 10 @          | 12 @              | 75 @ 1 25         |
| Ebony.....                                 |                                                                |               |                   | 13 1/2 @ 16       |
| Apple wood.....                            |                                                                |               |                   | 6 @ 6             |
| <b>Knobs: (P set.)</b>                     |                                                                |               |                   |                   |
| Mineral, best.....                         | 8 @                                                            | 8 @           | 8 @ 10            | Not Sold.         |
| Lava.....                                  | 50 @                                                           | 75 @          | 65 @ 80           | 25 @ 50           |
| Hemacite.....                              | Not Sold.                                                      | 17 @ 33       | 31 @ 40           | 100 @ 250         |
| Porcelain.....                             | 30 @                                                           | 10 @          | 25 @ 30           | 1 75 @ 2 00       |
| Glass, solid.....                          | Not Sold.                                                      | 50 @          | Not Sold.         | 50 @ 350          |
| Glass, silvered.....                       | Not Sold.                                                      | 88 @ 1 00     | 50 @ 3 00         | 75 @ 1 25         |
| Bronze metal.....                          | 75 @ 2 00                                                      | 50 @ 3 00     | 1 00 @ 3 00       | 13 1/2 @ 16       |
| Brass.....                                 | 1 00 @ 2 50                                                    | 50 @ 3 00     | 14 @ 16           | 6 @ 6             |
| <b>Solder:</b>                             |                                                                |               |                   |                   |
| Sheet Lead.....                            |                                                                | 7 1/2 @       | 5 1/2 @ 6         |                   |
| Lead Pipe.....                             |                                                                | 6 1/2 @       |                   |                   |
| <b>Iron:</b>                               |                                                                |               |                   |                   |
| I-Beams, up to and including 30 ft.....    | 3 3-10 @ 3 1/2                                                 | 3 3-10 @      | 2 50 @ 2 75       | 2 8-10 @          |
| do. over 30 ft., 1 c. adv. for every 5 ft. | 3 3-10 @ 3 1/2                                                 | 3 3-10 @      | 50 @ 2 75         | 2 8-10 @          |
| Channel Beams.....                         |                                                                |               |                   |                   |

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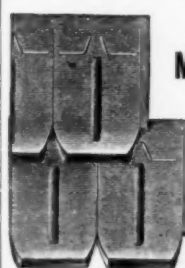
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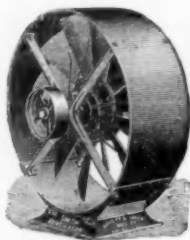


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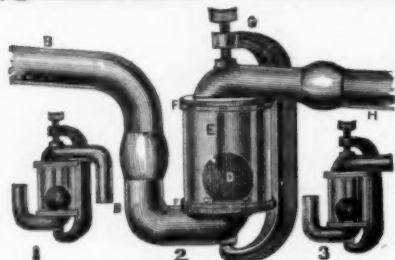
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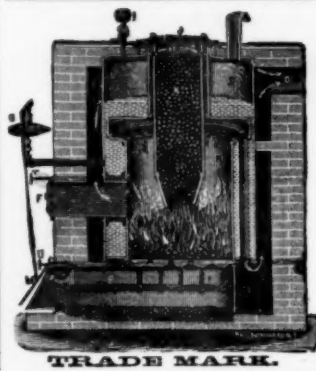
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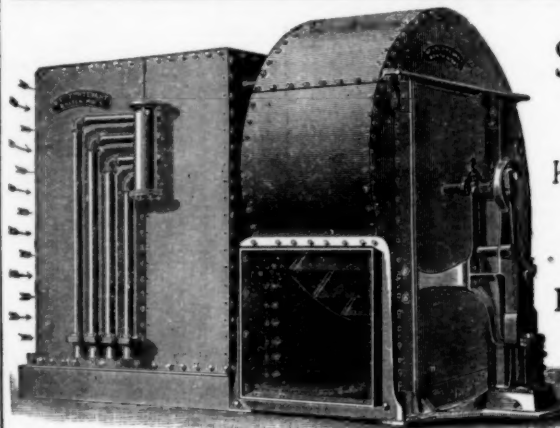
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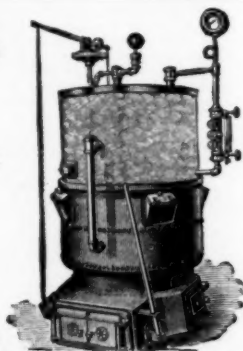
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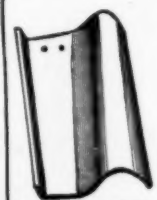
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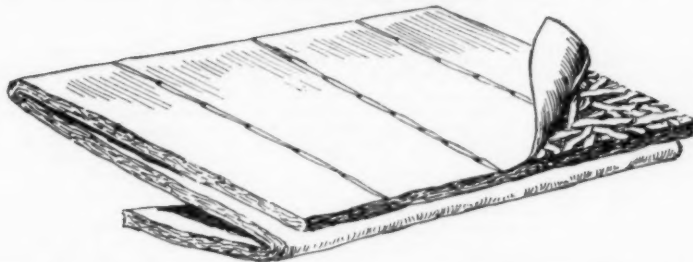
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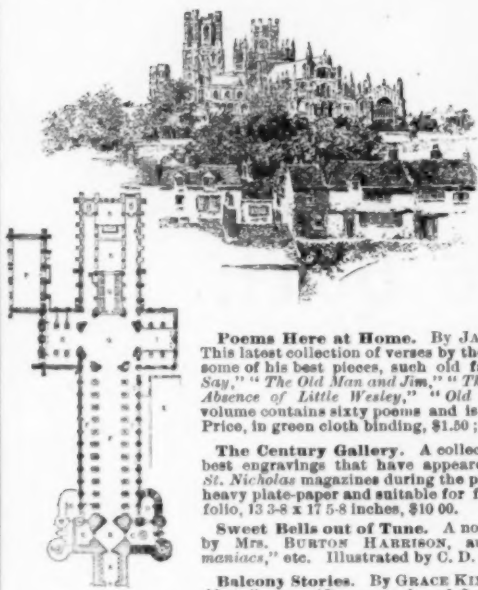
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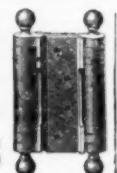
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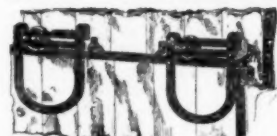
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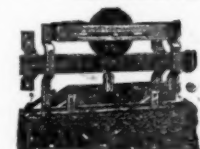
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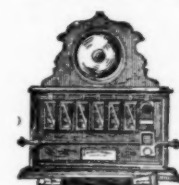


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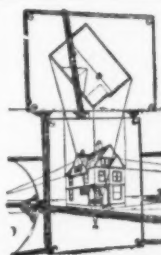
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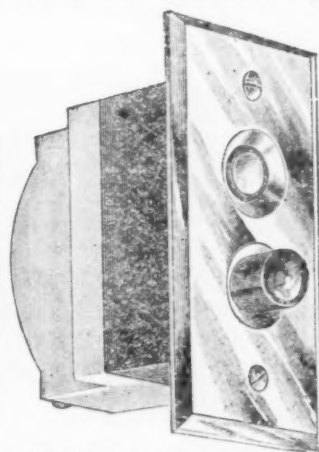
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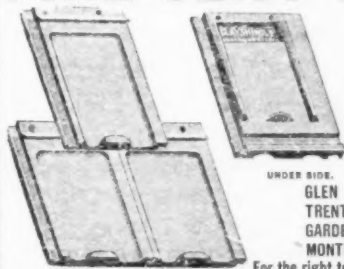
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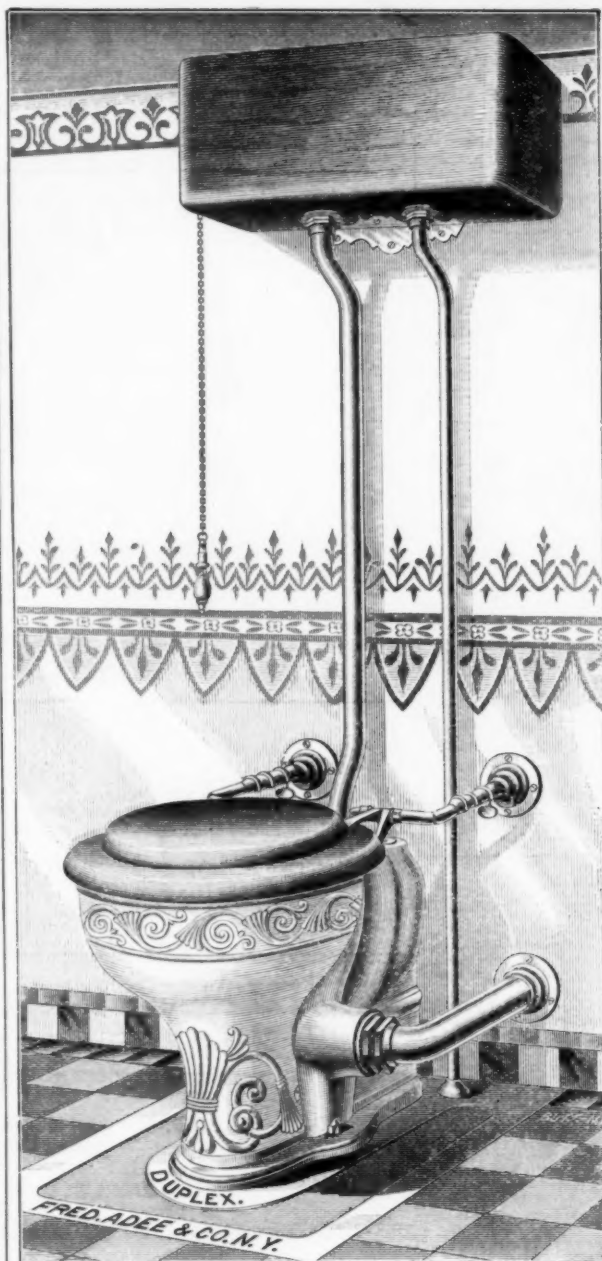
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**Boston, Mass.** — Warren Ave., near West Park St., Ward 24, frame dwell., 30' x 49.6'; owner and builder, J. W. Hutchins.  
Tremont St., No. 1517, Ward 22, three-st'y frame dwell. and store, flat roof, 30' x 64'; owner, C. McGonagle.  
Sachem St., cor. Calumet St., Ward 22, three-st'y frame dwell., pitch roof, 23' x 42'; owner, T. O'Leary; builder, Daniel Lane.  
Emerson St., Nos. 184-188, Ward 14, three frame dwells., flat roofs, one, 21.6' x 50.6', two stories; one 21' x 52.8', two stories; one 20' x 66', three stories; owner, M. J. Mullen; builders, Holbrook & Harlow.  
Clifton St., near Albano St., Ward 23, frame dwell., 21' x 21'; owner, Peter Reinhardt.  
Newberg St., near Brandon Ave., Ward 23, frame dwell., 24' x 33'; owner, B. F. Coran.  
Congress St., near South St., Ward 23, frame dwell., 29.6' x 32.6'; owner, M. Mackenzie; builder, J. E. Roland.  
Burroughs St., No. 60, cor. Pond St., Ward 23, frame dwell., hip roof, 56' x 63'; owner, R. M. Morse, Jr.; builders, J. H. Bart & Co.

## BUILDING INTELLIGENCE.

### (Houses Continued.)

Prescott St., Nos. 8-10, Ward 1, 2 three-st'y frame dwells., flat roofs, 21.6' x 43'; owner and builder, T. Kellough.  
**Brooklyn, N. Y.** — Linden St., n s, 325' w Central Ave., three-st'y frame dwell., tin roof; cost, \$4,500; owner, Henry Mookle, 130 Grove St.; architect, Henry Vollweiler, 486 Hart St.  
Suydam St., s s, 275' e Central Ave., four-st'y brick dwell., tin roof; cost, \$8,000; owners and builders, Schwab & Hausman, 178 Central Ave.; architect, Ad. Wischerth, 57 Troutman St.  
Twenty-fourth St., s s, 325' e Fifth Ave., two-st'y brick dwell., tin roof; cost, \$3,000; owner, Henry Weber, Fifth Ave. and Twenty-fourth St.  
Throop Ave., No. 257, three-st'y brick dwell., tin roof; cost, \$9,000; owner, Louis Mann, 253 Throop Ave.; architect, J. G. Glover, 186 Remsen St.  
Miller Ave., e s, 225' n Fulton Ave., two-st'y frame dwell., tin roof; cost, \$3,000; owner, C. Hean, 74 Miller Ave.; architect, Chas. Infanger, Atlantic and Van Sicken Aves.  
**New York, N. Y.** — One Hundred and Nineteenth St., s s 200' w Fifth Ave., 2 five-st'y brick dwells., tin roofs; cost, \$36,000; owner, Ernest C. Kerl, 121 East One Hundred and Nineteenth St.; architect, John Hauser, 1441 Third Ave.  
Leggett Ave., n s, 75' e Hewett Pl., three-st'y brick dwell., slate roof; cost, \$4,750; owner, James Kelly, 41 Monroe St.; architect, H. B. Van Benschoten, 9 Ritter Pl.  
Decatur Ave., 118' e Travis St., 2 three-st'y brick and frame dwells., slate roof; cost, \$7,000; owner, John Knox, Marion Ave., Fordham.



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## BUILDING INTELLIGENCE.

(Houses Continued.)

St. Nicholas Pl., w s, 4' n One Hundred and Fif-  
tieth St., four-st'y brick dwell., mansard slate and  
tin roof; cost, \$25,000; owner, Fred. Schuck, 18 St.  
Nicholas Pl.; architect, Frank Wennemore, 204 East  
Eighty-sixth St.Marion St., No. 39, five-st'y brick dwell., tin roof;  
cost, \$7,000; owner, James E. March, 35 Marion St.;  
architect, J. Albert Thorne, 45 Exchange Pl.Providence, R. I.—Brown St., e s, bet. Meeting and  
Cushing Sts., two-and-one-half-st'y frame dwell.;  
cost, \$4,000; owner, A. W. Brooks.Arlingdale Ave., s s, n Elmwood Ave., two-and-one-  
half-st'y frame dwell., owner, Albert L. Morrison;  
architect, H. K. Hilton; builder, Robert Southers.Moore St., s s, bet. Daboll & Broad Sts., two-and-  
one-half-st'y frame dwell.; cost, \$3,500; owner, Mrs.  
Margaret J. Cuddy; builders, Barrett & Evans.Moore St., s s, bet. Daboll and Broad Sts., two-and-  
one-half-st'y frame dwell.; cost, \$3,500; owners,  
Wm. P. & John M. Cuddy; builders, Barrett &  
Evans.Wayland Ave., s w cor. Douglas St., two-and-one-  
half-st'y frame dwell.; cost, \$6,000; owner, Mary A.  
Banigan; architects, Martin & Hall; builders, Joseph  
Gilman & Son.

## OFFICE-BUILDINGS.

Brooklyn, N. Y.—West St., n w cor. Freeman St.,  
5 two-st'y frame offices and sheds, shingle roofs;  
total cost, \$6,000; owners, National Mahogany &  
Cedar Co., Sixth and Lewis Sts., New York City;  
architect, P. Tillion, 209 Manhattan Ave.New York, N. Y.—Gold St., w s from Beekman to  
Ann Sts., seven-st'y office-building, gravel roof; cost,  
\$100,000; owner, John Pettit, 97 Nassau St.; archi-  
tect, James M. Farnsworth, 97 Nassau St.Providence, R. I.—Page St., s w cor. Weybosset St.,  
two-st'y brick office-building; cost, \$20,000; owners,  
L. & A. Tillinghast.

## PUBLIC BUILDINGS.

Homerville, Ga.—Court-house; cost, about \$20,000.

## SCHOOL-HOUSES.

Camden, N. J.—Kaigys Ave., brick and stone school-  
house by the Commission of Public Instruction;  
Chairman, H. B. Francis; architects, Moses & King,  
431 Walnut St., Pa.Houston, Tex.—Three-st'y high-school building;  
cost, \$75,000.Morrisville, Pa.—School-house; cost, \$11,920; Ed-  
ward R. Smith is one of the Directors; contractor,  
Chester Hutchinson.Mobile, Ala.—The Freedman Aid Association has  
submitted a proposition for the building of a Uni-  
versity for colored students, to cost about \$150,000.New York, N. Y.—Edgecomb Ave., e s One Hundred  
and Forty and One Hundred and Forty-first Sts.,  
four-st'y brick school, tin roof; cost, \$200,000;  
owners, Mayor, Aldermen and Commonalty; archi-  
tect, C. B. J. Snyder, 148 Grand St.

## STABLES.

Boston, Mass.—Boylston Ave., rear, No. 62, Ward  
23, one-st'y frame stable, pitch roof, 24' x 32'; owner,  
R. T. Haffenreffer; builders, Chute & Bagloe.Alger St., No. 18, Ward 15, frame stable, flat roof,  
48' x 50'; owner and builder, J. S. Bradbury,  
trustee.Foster St., rear, near Washington St., Ward 25,  
frame stable, 30' x 50'; owner and builder, William  
Scollans.

Perkins St., near Chestnut St., Ward 22, frame

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## BUILDING INTELLIGENCE.

(Stables Continued.)

stable, pitch roof, 31' x 84.2'; owner, H. H. Reuter;  
builder, T. J. Lyons.

## STORES.

Brooklyn, N. Y.—Ninth St., s s, 450' w Third Ave.,  
four-st'y brick store and dwell., gravel roof; cost,  
\$6,000; owner and builder, Thom. J. Smith, 458  
Eleventh St.; architect, Chas. Werner, Garfield  
Building.New York, N. Y.—Westchester Ave., n s, 170' e  
Brook Ave., three-st'y brick store, slate roof; cost,  
\$9,500; owners, G. F. & E. O. Swift, Boston, Mass.;  
architect, Warren B. Page, Boston, Mass.

## THEATRES.

Oxford, Pa.—Opera-house and stores; cost, about  
\$15,000.

## MISCELLANEOUS.

Boston, Mass.—Terrace St., near Allegheny St.,  
Ward 22, one-st'y brick boiler-house, pitch roof,  
34' x 45'; owners, Union Brewing Co.; builders,  
Connelly & Wentworth.New York, N. Y.—One Hundred and Sixty-fifth St.,  
s s, 100' w Fort Washington Bridge Road, three-st'y  
brick workshop, slate roof; cost, \$24,000; owners,  
New York Institute for Deaf and Dumb; architect,  
Henry Forehaux, Eleventh Ave. and One Hundred  
and Sixty-second St.Hester St., No. 33, seven-st'y brick workshop, tin  
roof; cost, \$12,000; owner, Wm. Rosentreter, 328

## BUILDING INTELLIGENCE.

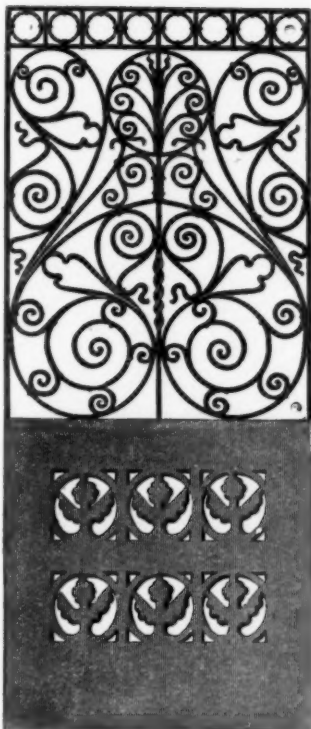
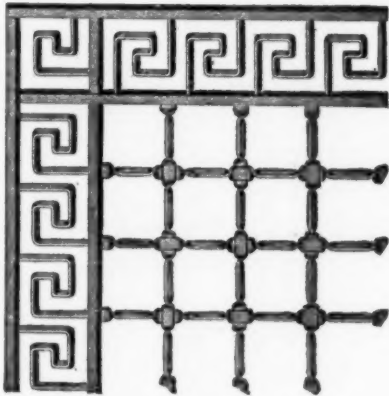
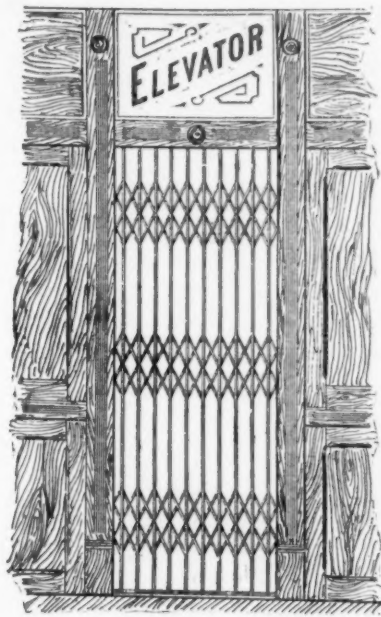
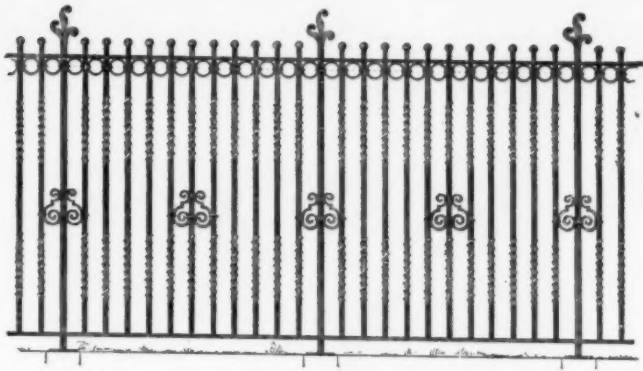
(Miscellaneous Continued.)

East One Hundred and Twenty-third St.; architect,  
Louis F. Heinicke, 62 Bowery.Pike St., Nos. 47-51, seven-st'y brick workshop, tin  
roof; cost, \$35,000; owner, Morris Levy, 337 East  
Fifty-seventh St.; architect, Charles Rentz, 153  
Fourth Ave.Roxborough, Pa.—Pumping Station, one-st'y brick  
and stone boiler-house; contractors, R. C. Ballinger  
& Co., 218 North Thirteenth St.Wellwood Station, N. J.—Power-house; owners,  
Electric-light Co.; contractors, Tilton & Howell.

(Continued in Supplement.)

## PROPOSALS.

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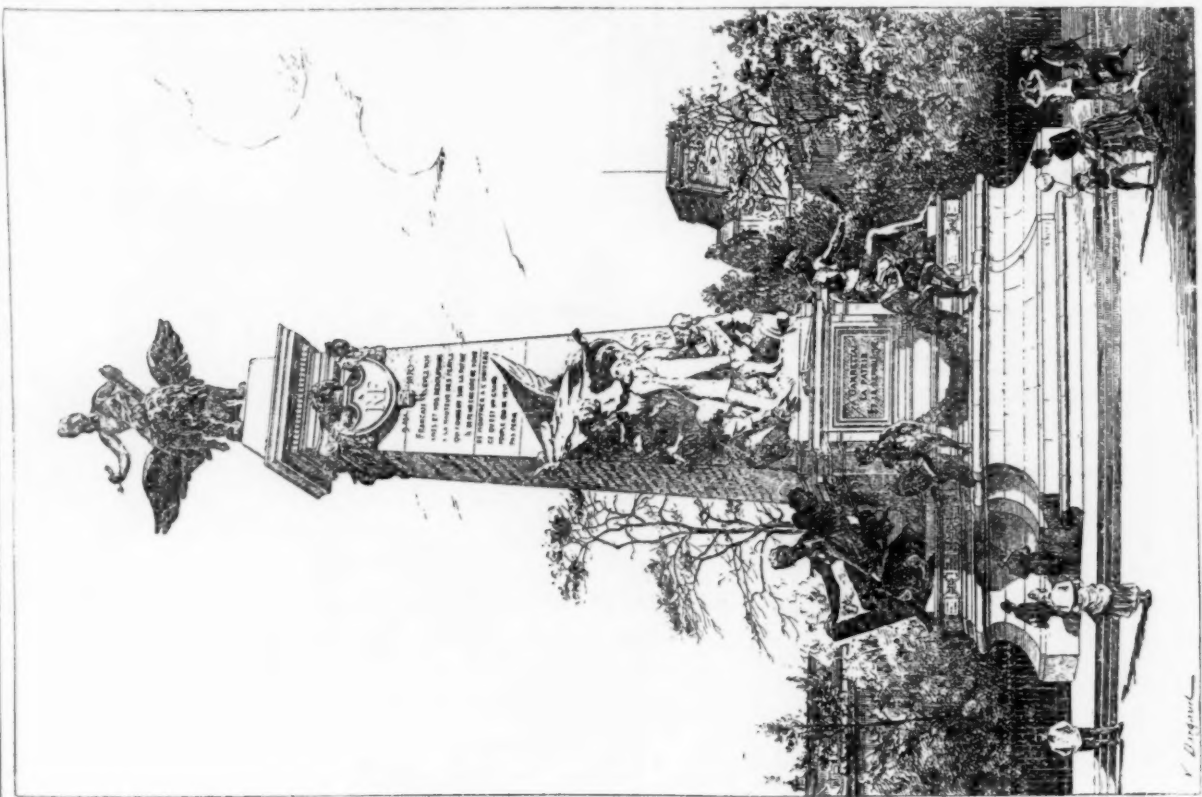
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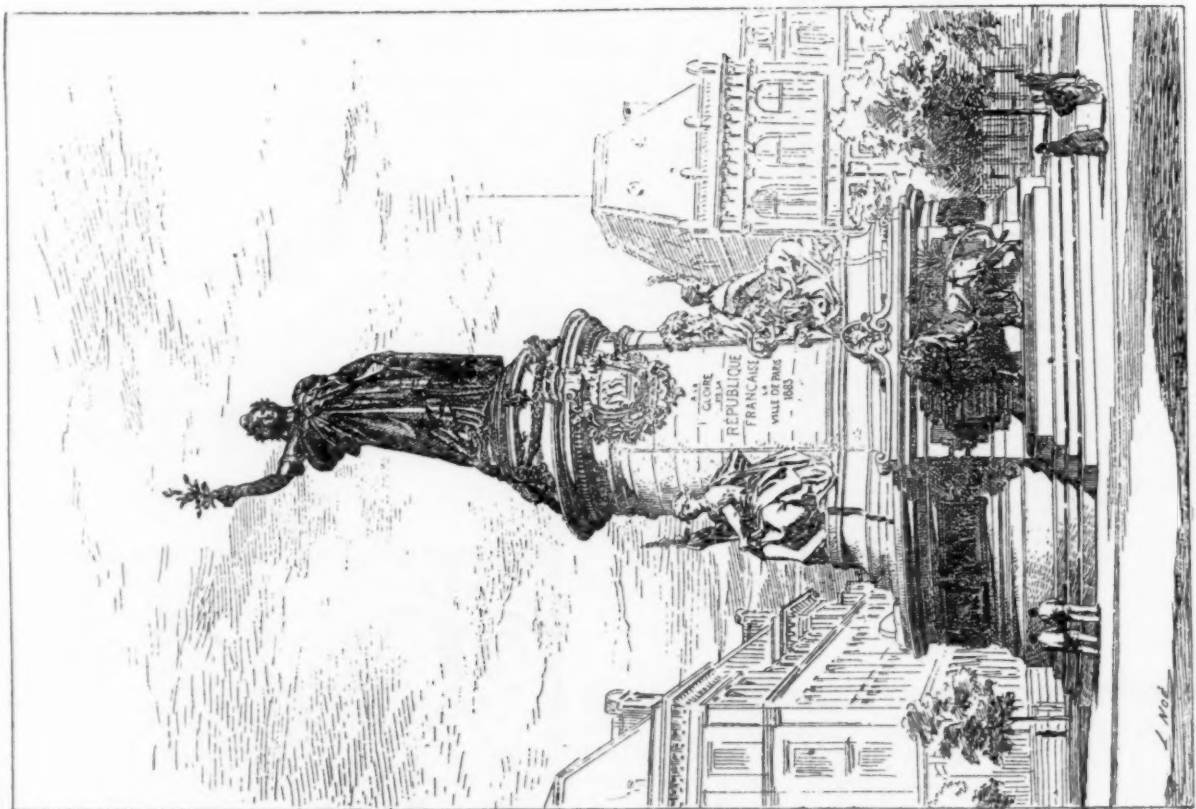
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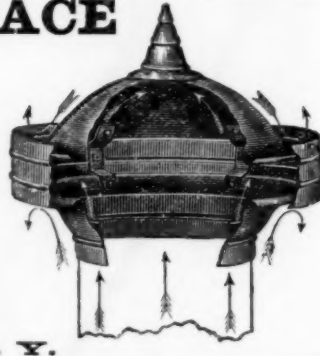
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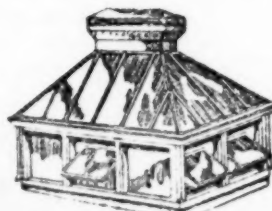
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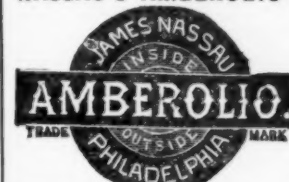
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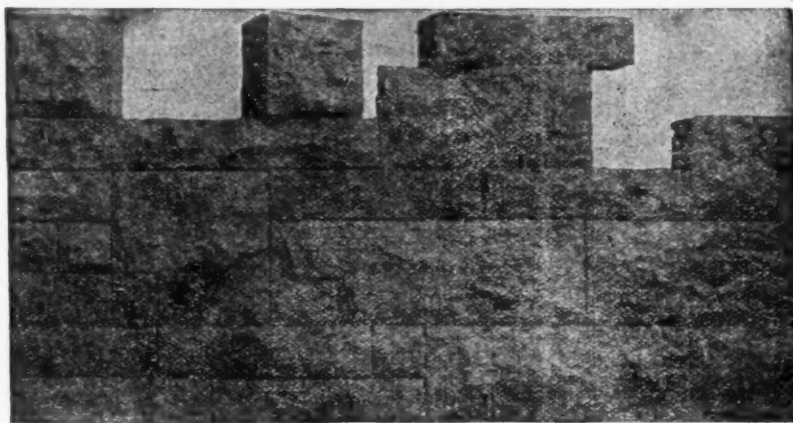
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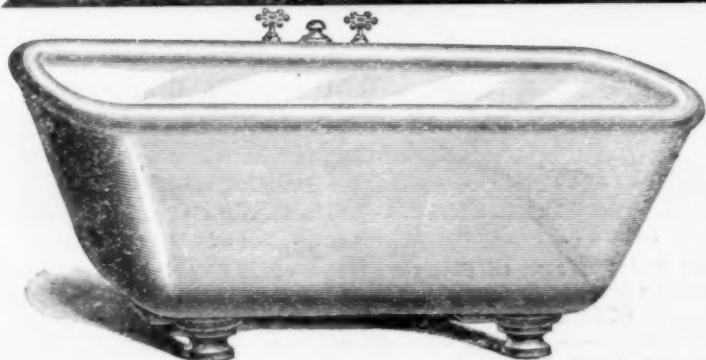
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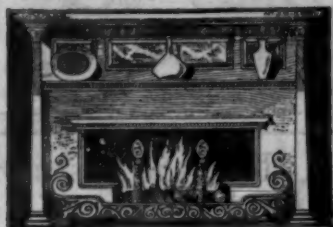
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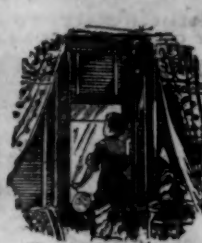
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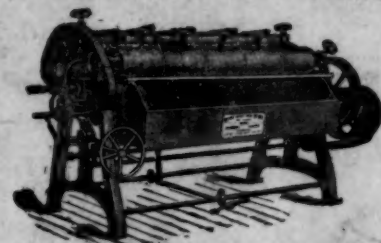
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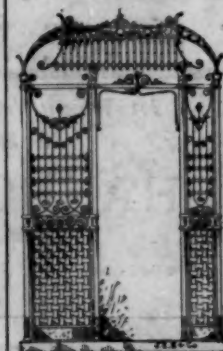
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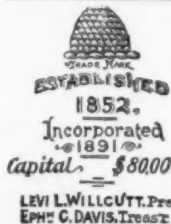
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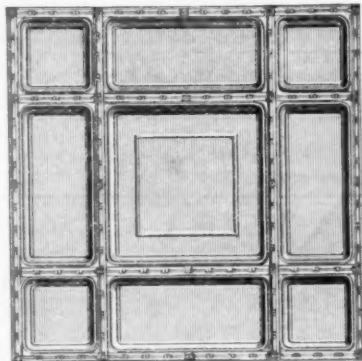
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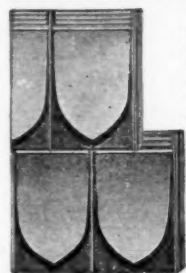


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| 22 00 @ 35 00       | 10 00 @ 13 00                         |
| 2 25 @ 2 50         | 24 00 @ 34 00                         |
| 2 00 @ 3 00         | @ 2 65                                |
| 2 00 @ 3 00         | Not sold.                             |
| 2 60 @ 3 15         | 2 75 @ 3 00                           |
| 1 50 @ 2 00         | 2 30 @ 3 00                           |
| 3 25 @ 3 75         | Not sold.                             |
| 2 00 @ 3 75         | 2 60 @ 2 75                           |
| 5 00 @ 6 00         | 3 50 @ 4 00                           |
| 10 00 @ 18 00       | Cut to order.                         |
| 25 @ 50             | P. 10 00 @ 22 00                      |
| 25 @ 50             | 9 @ 21                                |
| 25 @ 50             | Not sold.                             |
| 45 00 @ 60 00       | 14 00 @ 30 00                         |
| 30 00 @ 120 00      | 35 00 @ 90 00                         |
| 60 00 @ 70 00       | 17 00 @ 35 00                         |
| 45 00 @ 50 00       | 110 00 @ 170 00                       |
| 160 00 @ 170 00     | 200 00 @ 250 00                       |
| 120 00 @ 350 00     | 12 00 @ 20 00                         |
| 45 00 @ 50 00       | 17 00 @ 27 00                         |
| 50 00 @ 55 00       | 16 00 @ 28 00                         |
| 63 00 @ 75 00       | 34 00 @ 40 00                         |
| 50 00 @ 65 00       | 25 00 @ 28 00                         |
| 50 00 @ 75 00       | 33 00 @ 50 00                         |
| 60 00 @ 70 00       | 40 00 @ 45 00                         |
| 32 00 @ 35 00       | per M. 000 00                         |
| 85 00 @ 120 00      | 40 00 @ 75 00                         |
| 40 00 @ 45 00       | 14 00 @ 30 00                         |
| 40 00 @ 42 00       | 31 00 @ 34 00                         |
|                     | 42 50 @ 47 50                         |
|                     | 100 00 @ 120 00                       |
|                     | 70 00 @ 80 00                         |
|                     | 42 50 @ 47 50                         |
|                     | 200 00 @ 400 00                       |
|                     | 25 00 @ 55 00                         |
|                     | 42 50 @ 55 00                         |
|                     | 45 00 @ 55 00                         |
|                     | 60 00 @ 75 00                         |
|                     | 57 50 @ 65 00                         |
|                     | 45 00 @ 65 00                         |
|                     | 60 00 @ 75 00                         |
|                     | 50 00 @ 170 00                        |
|                     | 25 00 @ 40 00                         |
|                     | @ 42 00                               |



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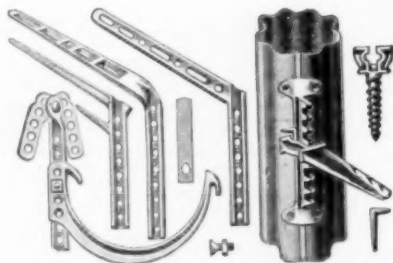
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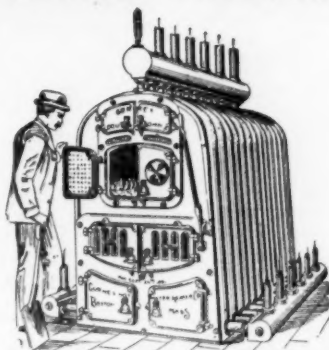
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|                                      | (Wholesale Prices.) |                  | (Prices to Builders and Contractors.) | In Yard.            |
| <b>BRICK.—P. M.</b>                  |                     |                  |                                       |                     |
| Common: Cargo afloat.                | 1 75 @ 2 00         | Eastern          | Building Brick                        | Sq. Hard @ 9 00     |
| Pale.....                            | 3 75 @ 4 25         | 9 00 @ 10 00 }   | @ 5 00                                | " @ 7 00            |
| Jersey.....                          | @                   |                  |                                       | Salmon @ 5 00       |
| Long Island.....                     | 4 00 @ 5 00         |                  |                                       | Sq. " @ 9 00        |
| Up River.....                        | 4 50 @ 4 75         |                  |                                       | Light Stretchers    |
| Haverstraw Bay 2d.....               | 5 00 @ 5 25         |                  |                                       | Medium " @ 10 00    |
| " 1st.....                           | @ 13 00             |                  |                                       | Red " @ 12 00       |
| Hollow.....                          |                     |                  |                                       | Dark " @ 13 00      |
| <b>Fronts:</b>                       |                     |                  |                                       | Pressed " @ 13 00   |
| Croton, Brown.....                   | 9 00 @ 12 00        |                  |                                       | Best Paving @ 14 00 |
| " dark.....                          | 10 00 @ 13 00       |                  |                                       | Second " @ 13 00    |
| " red.....                           | 10 00 @ 13 00       |                  |                                       | Third " @ 12 00     |
| Chicago pressed (Anderson).....      |                     |                  |                                       | Dom. { @ 65         |
| " Moulded.....                       |                     |                  |                                       | @ 82                |
| Baltimore.....                       | 37 00 @ 41 00       |                  |                                       |                     |
| Philadelphia.....                    | 23 00 @ 24 00       |                  |                                       |                     |
| Trenton.....                         | @ 19 00             |                  |                                       |                     |
| Milwaukee.....                       |                     |                  |                                       |                     |
| <b>Moulded:</b>                      |                     |                  |                                       |                     |
| Glens Falls Red Pressed.....         | @ 37 00             |                  |                                       |                     |
| " Buff.....                          | @ 30 00             |                  |                                       |                     |
| " Moulded Red & Buff.....            | 45 00 @ 70 00       |                  |                                       |                     |
| <b>Enamelled: Imp.</b>               |                     |                  |                                       |                     |
| Enamelled (edge).....                | 85 00 @ 100 00      |                  |                                       |                     |
| Enamelled (edge and end).....        | 90 00 @ 115 00      |                  |                                       |                     |
| <b>CEMENT, LIME, etc.—(P. M.)</b>    |                     |                  |                                       |                     |
| Rosendale Cement.....                | 95 @ 1 10           | 1 15 @ 1 25      | Not sold.                             | 1 30 @ 1 50         |
| Louisville.....                      |                     | Brooks, S. & Co. | 1 05 @ 1 15                           | BS&Co 2 75 @ 3 00   |
| Utica, Akron, Buffalo, Milw'kee..... | Not sold.           | 2 40 @ 2 75      | 1 00 @ 1 10                           | 2 85 @ 3 25         |
| Portland, English (Gibbs).....       | 2 25 @ 2 50         | 2 40 @ 2 75      | 3 00 @ 3 10                           | 2 85 @ 3 15         |
| " (K. B. & S.).....                  | 2 50 @ 3 00         | 2 40 @ 2 75      | 3 00 @ 3 25                           | 2 75 @ 3 00         |
| " Black Cross.....                   | 2 25 @ 2 50         | 2 40 @ 2 75      | 3 00 @ 3 25                           | 2 85 @ 3 15         |
| " (Burnham).....                     | 2 50 @ 2 50         | 2 40 @ 2 75      | 2 90 @ 3 15                           | 2 75 @ 2 85         |
| " (White's).....                     | 2 65 @ 3 00         | 2 40 @ 2 75      | 3 00 @ 3 25                           |                     |
| " French (Lafarge).....              | 3 00 @ 3 75         | 3 00 @ 3 50      | 3 75 @ 4 25                           | Hemmoor             |
| " German (Alsen).....                | 2 90 @ 3 25         |                  | @ 3 20                                | 2 50 @ 2 75         |
| " (Fewer).....                       | 2 25 @ 2 40         |                  | 3 20 @ 3 40                           | 2 75 @ 2 85         |
| " (Lagerdofer).....                  | 2 50 @ 2 90         |                  |                                       |                     |
| " (Dyckerhoff).....                  | 2 60 @ 2 90         |                  |                                       |                     |
| " (Hanover).....                     | 2 50 @ 3 00         |                  |                                       |                     |
| " Stettin (Anchor).....              | 2 35 @ 2 85         |                  |                                       |                     |
| " American (Saylor's).....           | 2 15 @ 2 25         |                  |                                       |                     |
| Roman.....                           | 2 75 @ 3 00         |                  |                                       |                     |
| Keene's coarse.....                  | 4 50 @ 5 30         |                  |                                       |                     |
| " superfine.....                     | 5 00 @ 5 50         |                  |                                       |                     |
| <b>Lime:</b>                         |                     |                  |                                       |                     |
| Lime of Tell.....                    | 3 50 @ 4 00         |                  |                                       |                     |
| Hydraulic Lime.....                  | @ 1 45              | @ 1 35           | Not sold.                             | White Lime P bush   |
| Chicago Lime in bulk.....            | @ 1 00              | St. John 1 00    | 60 @ 70                               | 25 @ 30             |
| Wisconsin Lime.....                  | @ 85 @ 87           |                  | 60 @ 70                               | { White Mash        |
| Rockland and Rockport, (Com.).....   | @ 95                | @ 1 05           | Not sold.                             | 1 25 @ 1 50         |
| Rockland and Rockport, finish.....   | @ 1 10              | @ 1 10           | Not sold.                             | 1 00 @ 1 00         |
| Kelley Island Lime, finish.....      | @ 1 20              | @ 1 20           | Not sold.                             |                     |
| State, com. cargo rates (nom.).....  | 80 @ 85             | Not sold.        | 1 00 bulk, 75c.                       | Not sold.           |
| State, finishing.....                | 1 05 @ 1 10         | Not sold.        | Not sold.                             | Not sold.           |
| Plaster of Paris (calcined).....     | 1 40 @ 1 50         | 1 85 @ 2 00      | 1 85 @ 1 90                           | 1 50 @ 2 25         |
| " (casting).....                     | @ 1 60              | @ 2 25           | 1 85 @ 1 90                           | 1 75 @ 2 50         |
| Hair (Cattle) P bush.....            | 18 @ 21             | 25 @ 30          | 16 @ 20                               | 20 @ 25             |
| " (Goat).....                        | 21 @ 25             | @ 30             | 30 @ 35                               | 30 @ 35             |
| Sand, P load.....                    | 1 00 @ 1 25         | 1 75 @ 1 90      | @ 60                                  | @ 1 50              |
| <b>STONE. (P cubic foot, rough.)</b> |                     |                  |                                       |                     |
| Granite: (Maine)                     |                     | @ 60             |                                       |                     |
| Limestone:                           |                     |                  |                                       |                     |
| Bedford.....                         | 45 @ 1 25           | 95 @ 1 00        | 50 @                                  | 55 @ 65             |
| Joliet.....                          | 1 00                |                  | 35 @ 55                               | 75 @ 85             |
| Lemont.....                          |                     |                  | 3 @ 60                                | Richmond            |
| Serpentine.....                      |                     |                  | @ 1 00                                | P 75 @ 1 50         |
|                                      |                     |                  |                                       | Perch 4 50 @ 5 50   |



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| Dimension.....                               | 5 00 \$ ton.       |                                      | 20                | 5 00                   |
| Block.....                                   | 4 60 \$ perch.     |                                      | 8 50              | Conshocken 1 45 @ 2 50 |
| Rubble.....                                  | 1 25 @ 1 50        |                                      |                   |                        |
| Blue-stone: (P sq. ft.)                      |                    |                                      |                   |                        |
| Sidewalk.....                                | 30 @ 5 00          | 40 @ 1 75                            | 75 @ 1 00         | 1 in.th.10 @ 25        |
| Planed.....                                  | 50 @ 6 00          | @ 75                                 | 50 @ 1 00         | 37 @ 50                |
| Sandstone:                                   |                    |                                      |                   |                        |
| Longmeadow.....                              | @ 80               | 80 @ 90                              |                   | 95 @ 1 05              |
| Kibbe.....                                   | @ 90               | 90 @ 1 10                            |                   | 1 05 @ 1 25            |
| Brown (Connecticut).....                     | 1 00 @ 90          | 1 25 @ 1 45                          | 1 50 \$ cub. ft.  | 85 @ 95                |
| Amherst Ohio.....                            | 90 @ 95            | 90 @ 1 00                            | 45 @ 50           | 55 @ 75                |
| Berea.....                                   | 75 @ 1 00          | 85 @ 90                              | 45 @ 55           | 85 @ 95                |
| Berlin.....                                  | 75 @ 1 00          | 80 @ 90                              | 55 @ 65           | 1 00 @ 1 10            |
| Belleville.....                              | 80 @ 1 25          | 1 25 @ 1 35                          | @ 1 25            | 1 05 @ 1 15            |
| New Brunswick (Dorchester).....              | @ 1 00             | 75 @ 90                              |                   | 1 25 @ 1 35            |
| Caen.....                                    | @ 1 00             | @ 2 00                               |                   | 95 @ 1 05              |
| Carlisle, English.....                       | @ 1 05             | @ 1 05                               |                   | 95 @ 1 05              |
| Corse Hill (Scotch).....                     | @ 1 05             | @ 1 05                               |                   |                        |
| Marble: (P cu. ft.)                          |                    |                                      |                   |                        |
| Lee, Mass.....                               | @                  | 1 75 @ 2 50                          | Not Sold.         | 2 00 @ 2 50            |
| Rutland, white and blue.....                 | @                  | @ 3 00                               | 3 50 @ 6 00       | 2 00 @ 3 00            |
| Sutherland Falls.....                        | 1 25 @ 1 75        | @ 2 00                               | 3 50 @ 6 00       | 1 70 @ 3 00            |
| Glens Falls, black.....                      |                    |                                      | Not Sold.         | 4 00 @ 4 50            |
| Italian, blue-veined.....                    |                    |                                      | @ 4 40            | 2 50 @ 2 75            |
| " Sienna.....                                |                    |                                      | Not Sold.         | @ 5 00                 |
| Tennessee, red.....                          |                    |                                      | @ 4 40            | 4 00 @ 6 00            |
| " Knoxville.....                             |                    |                                      | @ 4 40            | 3 00 @ 4 00            |
| Pennsylvania, blue.....                      |                    |                                      | Not Sold.         | 2 00 @ 3 00            |
| Vermont, white.....                          |                    |                                      | 3 50 @ 6 00       | 2 25 @ 3 00            |
| Slate: Roofing (P square).                   |                    |                                      |                   |                        |
| " green.....                                 | 5 00 @ 6 00        | 4 75 @ 5 25                          | 5 50 @ 6 10       | 2 30 @ 3 00            |
| " unfading.....                              | 5 00 @ 6 00        | 5 50 @ 6 50                          | 6 50 @ 7 10       | 3 25 @ 3 75            |
| " purple.....                                | 5 00 @ 6 00        | 5 50 @ 6 50                          | 6 50 @ 7 10       | 3 50 @ 4 50            |
| " red.....                                   | 5 00 @ 10 00       | 10 00 @ 11 00                        | 12 00 @ 14 00     | 50 @ 10 25             |
| " black, Lehigh.....                         | 4 25 @ 4 75        |                                      | 6 25 @ 6 85       | 25 @ 4 00              |
| " Chapmans.....                              | 5 50 @ 8 00        | 5 50 @ 8 00                          | 7 30 @ 8 00       | 00 @ 4 65              |
| " Unfading black, Monson, Me.....            |                    |                                      | 6 00 @ 9 00       | 5 50 @ 8 00            |
| Tiles, Am.....                               | @                  | @                                    | Not Sold.         | @ 25 00                |
| N. Peach Bottom, warranted unfading.         | @                  | @                                    |                   | 6 00 @ 6 75            |
| PAINTS. (In Oil P lb.)                       |                    |                                      |                   |                        |
| White lead, Am.....                          | 7 @ 7 1/2          | 6 1/2 @ 7                            | 7 @ 7 1/2         | @ 7 1/2                |
| " zinc.....                                  | 5 @ 8 1/2          | 6 @ 7                                | 5 @ 10 1/2        | @ 7                    |
| Red lead, Am.....                            | 6 1/2 @ 7          | 7 @ 12                               | 1 1/2 @ 2 1/2     | @ 7 1/2                |
| " Venetian.....                              | 6 @ 10 1/2         | 7 @ 12                               | 65 @ 68           | @ 7                    |
| " Vermillion.....                            | 12 @ 20            | 12 @ 20                              | 12 @ 20           | @ 1 1/2                |
| " Indian, Eng.....                           | 6 @ 15             | 7 @ 12                               | 3 @ 15            | @ 18                   |
| Yellow Ochre.....                            | 12 @ 20            | 18 @ 25                              | 15 @ 25           | @ 21                   |
| " Chrome.....                                | 8 @ 13             | 8 @ 20                               | 8 @ 20            | @ 18                   |
| Green (chrome).....                          | 25 @ 40            | 25 @ 40                              | 18 @ 35           | @ 20                   |
| Green, Paris.....                            | 15 @ 25            | 15 @ 25                              | 8 @ 30            | @ 12                   |
| Black, lamp.....                             | 12 @ 18            | 18 @ 30                              | 12 @ 35           | @ 24                   |
| Blue, ultramarine.....                       | 55 @ 62            | 41 @ 42                              | 57 @ 60           | @ 60                   |
| Oil, linseed, (raw).....                     | 58 @ 65            | 44 @ 45                              | 60 @ 63           | @ 63                   |
| " boiled.....                                | 36 @ 37            | @ 36                                 | 40 @ 42           | @ 44                   |
| Turpentine.....                              | @                  | 1 50 @ 6 00                          | 1 25 @ 2 00       | 125 @ 3 00             |
| Varnish, coach.....                          | @                  | 2 50 @ 3 00                          | 2 25 @ 4 00       | 150 @ 3 00             |
| Shellac.....                                 | @                  | @                                    | @ 2 1/2           | @ 2 1/2                |
| Putty.....                                   | 2 @ 4              | 2 @ 4                                | 1 @ 2 1/2         | @ 2 1/2                |
| Whiting.....                                 | 75 @ 1 00          | 1 @ 1 1/2                            | 1 @ 1 1/2         | @ 2 1/2                |
| Paris white, (Eng).....                      | 1 30 @ 2 00        | 2 @ 3                                | 1 @ 2             | @ 2 1/2                |
| Litharge, Am.....                            | 5 1/2 @ 6          | 6 1/2 @ 7                            | 6 1/2 @ 7         | @ 7 1/2                |
| Sienna (burnt).....                          | 14 @ 20            | 14 @ 20                              | 4 @ 16            | @ 14                   |
| Umber.....                                   | 14 @ 20            | 14 @ 20                              | 2 @ 16            | @ 13                   |
| HARDWARE.                                    |                    |                                      |                   |                        |
| Nails: (Per Cask.) Spikes, (wrought.)        | @ 2 85             | @                                    | 2 35 @ 3 50       | per keg @ 2 25         |
| 10d. common.....                             | @ 2 60             | @ 2 20                               | @ 3 15            | @ 2 30                 |
| Shingle.....                                 | @ 3 35             | @ 2 65                               | @ 2 35            | @ 2 60                 |
| Lath.....                                    | @ 4 85             | @ 3 20                               | @ 3 25            | @ 2 60                 |
| (Finishing nails according to size.)         | @                  | @                                    | Add .85 to \$2.25 | 2 90 @ 4 75            |
| (For casing nails add 75 c. per keg.)        | @                  | @                                    | ".50 to .90       | Add per cask           |
| Butts: 4" x 4".....(P doz. pairs.)           | @                  | @                                    | @ 90              | 2 90 (all kinds.)      |
| Plain.....                                   | @ 1 00             | @ 1 20                               | Not Sold.         | @ 90                   |
| Japanned.....                                | @ 1 50             | @ 1 75                               | 2 00 @ 3 75       | 1 35 @ 2 00            |
| Acorn, Japanned.....                         | @ 1 50             | @ 1 90                               | Not Sold.         | 1 35 @ 2 75            |
| Ball Tip, Boston Finish.....(P pair.)        | @ 65               | @ 50                                 | 2 00 @ 3 25       | 48 @ 50                |
| Bronze metal.....                            | @ 1 90             | plain 1 65                           | @ 12              | @ 1 25                 |
| Brass (for cupboards).....                   | @ 10               | @ 10                                 | @                 | @ 1 00                 |
| Ebony.....                                   | @                  | @                                    | @                 | @ 35                   |
| Apple wood.....                              | @                  | @                                    | @                 | 37 @ 1 00              |
| Knobs: (P set.)                              |                    |                                      |                   |                        |
| Mineral, best.....                           | @ 8                | @ 8                                  | 8 @ 10            | @ 08                   |
| Lava.....                                    | @ 50               | @ 75                                 | 65 @ 80           | Not Sold.              |
| Hemlock.....                                 | Not Sold.          | 17 @ 33                              | 31 @ 40           | 25 @ 50                |
| Porcelain.....                               | @ 30               | @ 10                                 | 25 @ 30           | @ 25                   |
| Glass, solid.....                            | Not Sold.          | @ 50                                 | Not Sold.         | 1 00 @ 2 50            |
| Glass, silvered.....                         | Not Sold.          | 88 @ 1 00                            | @ 1 50            | 1 75 @ 2 00            |
| Bronze metal.....                            | 75 @ 2 00          | 50 @ 3 00                            | 50 @ 3 00         | 50 @ 3 50              |
| Brass.....                                   | 1 00 @ 2 50        | 50 @ 3 00                            | 1 00 @ 3 00       | 75 @ 1 25              |
| Solder:                                      |                    |                                      |                   |                        |
| Sheet Lead.....                              | @                  | @ 7 1/2                              | @ 7               | 13 1/2 @ 16            |
| Lead Pipe.....                               | @                  | @ 6 1/2                              | 5 1/2 @ 6         | @ 6 1/2                |
| Iron:                                        |                    |                                      |                   |                        |
| I-Beams, up to and including 30 ft.....      | 3 3-10 @ 3 1/2     | @ 3 4-10                             | @                 | @ 2 8-10               |
| do. over 30 ft., 1/2 c. adv. for every 5 ft. | @                  | @                                    | 2 50 @ 2 75       | @ 2 8-10               |
| Channel Beams.....                           | 3 3-10 @ 3 1/2     | @ 3 4-10                             | 50 @ 2 75         | @ 2 8-10               |

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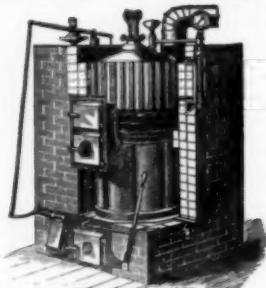
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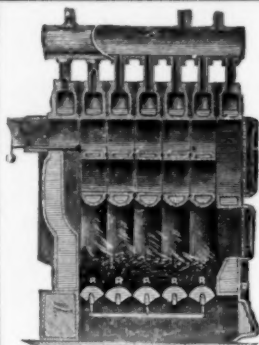
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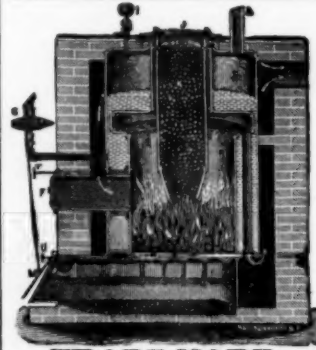
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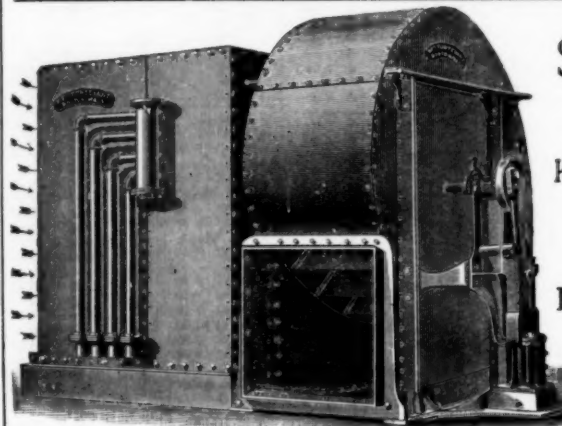
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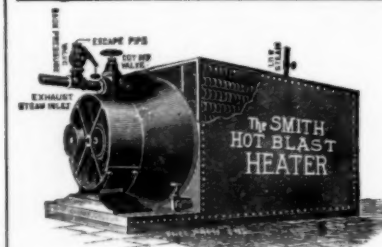
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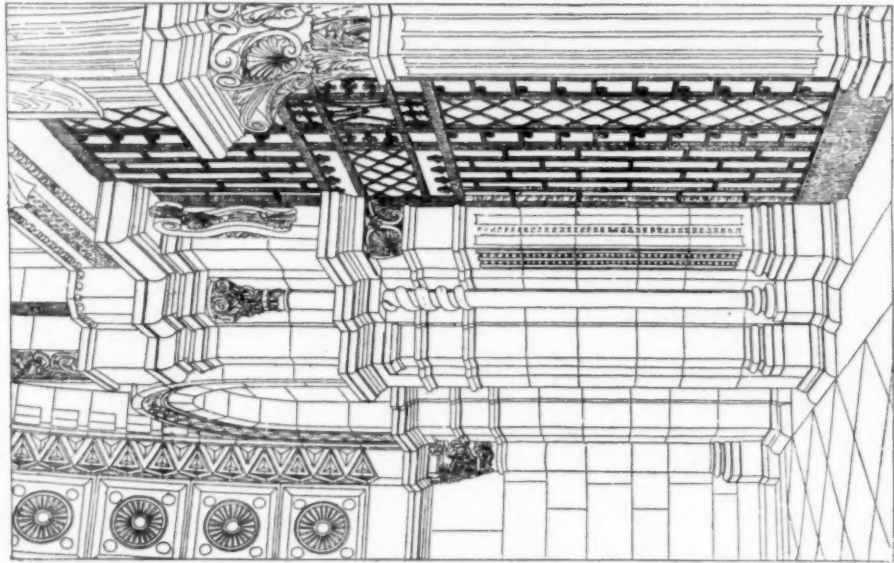
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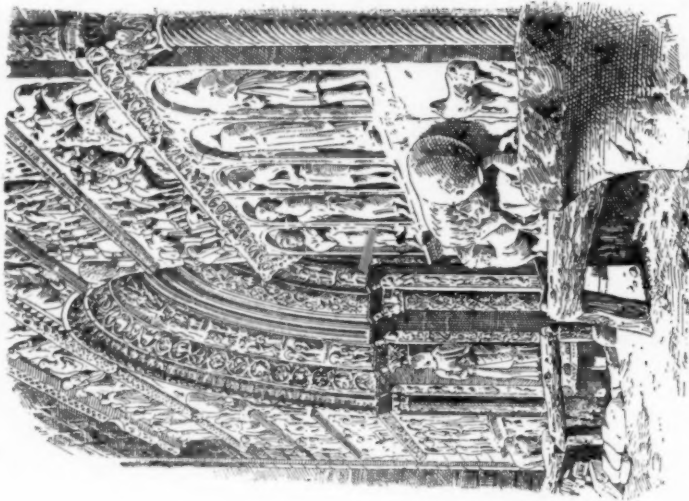
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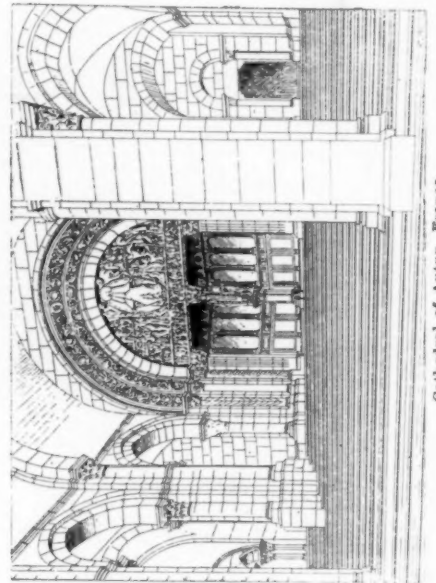




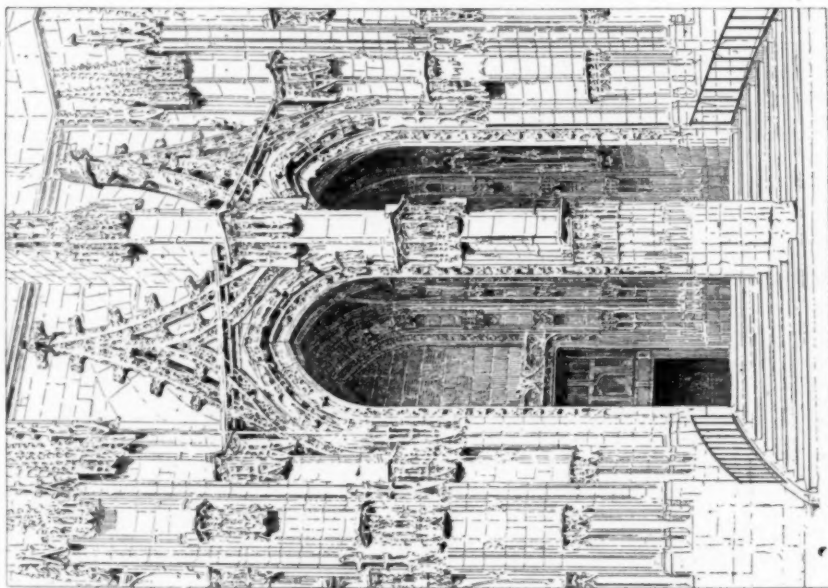
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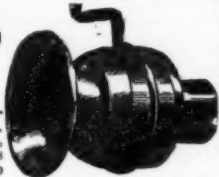
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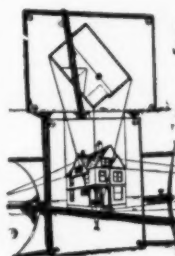
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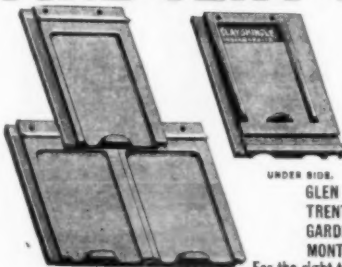
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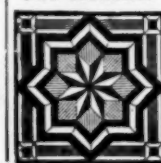
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## BUILDING INTELLIGENCE.

(Reported for The American Architect and Building News.)

[Although a large portion of the building intelligence is provided by their regular correspondents, the editors greatly desire to receive voluntary information, especially from the smaller and outlying towns.]

## ALTERATIONS.

Brooklyn, N. Y. — Washington Ave., No. 259, three-story brick school, slate and tin roof; internal alterations to be made; cost, \$7,000; owners, St. Luke's German Evangelical Lutheran Church, 259 Washington Ave.; architect, R. L. Daus, 26 Court St.  
Columbia St., n e cor. Woodhull St., four-story brick store and dwell., tin roof; one and two-story brick extension, tin roof, to be added; cost, \$3,000; owner, Mrs. Wilson, on premises; architect and builder, C. M. Detlefsen, 164 Conover St.

[Continued on page xiii.]

# VARNISH IN ARCHITECTURE. THE PRINCE AND THE JEWEL.

A certain Prince once owned a magnificent jewel which he valued above all his other possessions, and which was a continual source of pleasure not only to himself but to his friends to whom he never wearied of showing it. One day however the prince discovered a flaw in his jewel upon which he lost all pleasure in it and his friends saw it no more.

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## BUILDING INTELLIGENCE.

(Alterations Continued.)

**Chestnut Hill, Pa.**—Various improvements will be made to the Baptist Church.

**Holmesburg, Pa.**—The Ringrose Factory on Ashburner St. will be rebuilt; owner, Joel H. De Victor.

**Philadelphia, Pa.**—Work will begin at once on alterations and additions to be made at 1919 Spence St.; architect, A. W. Dilks, 1901 Chestnut St.; contractors, Wm. McPherson & Son.

Wharton and Twenty-first Sts., addition to hall; owner, Jas. P. Park, 1308 Point Breeze Ave.

## APARTMENT-HOUSES.

**New York, N. Y.**—Sixty-seventh St., s. s. 250' e Amsterdam Ave., 2 five-st'y brick flats, tin roofs; cost, \$46,000; owner, M. Edward Duffy, 34 West Fifty-eighth St.; architect, G. F. Pelham, 1481 Broadway.

Sixth St., Nos. 644-646, 2 five-st'y brick flats, tin roofs; cost, \$46,000; owner, Jacob Weinstein, 171 Madison St.; architects, Schneider & Herter, 48 Bible House.

One Hundred and Sixty-first St., 175' w Elton Ave., five-st'y brick flats, tin roof; cost, \$14,000; owner, Wm. Sherwood, 683 East One Hundred and Sixtieth St.; architect, Gustave Schwarz, 554 East One Hundred and Fifty-eighth St.

One Hundred and Forty-second St., s. s. 200' w Eighth Ave., 2 five-st'y brick flats, tin roofs; cost, \$38,000; owners, Eckert & Scoffer, 1355 Park Ave.; architect, Edward Wenz, 1491 Third Ave.

**St. Louis, Mo.**—Two-and-one-half-st'y flats, s. s. Minerva St., bet. Academy and Union Aves.; cost, \$4,500; owner, Otto Christensen; contractors, Mathias & Schneider.

Two-st'y flats, w. s. Garrison St., bet. Morgan and Franklin Aves.; cost, \$7,000; owner, P. T. Clifford; contractors, Phil Riechers & Son.

Two-st'y flats, s. s. St. Louis St., bet. Newstead and Taylor Aves.; cost, \$5,700; owner, Geo. Biener; contractors, Ithier & Spore.

**Washington, D. C.**—Apartment-house; owners, T. F. Schneider & J. F. Manning.

## CHURCHES.

**Asbury Park, Pa.**—Chapel; owners, Trinity Episcopal Church; for information apply to A. J. Miller.

**Boston, Mass.**—Falmouth St., cor. Caledonia St., Ward 11, three-st'y brick and stone church, pitch roof, 107' x 119', for First Church of Christ Society.

**Brooklyn, N. Y.**—Hopkinson Ave., 60' n Bainbridge St., two-st'y brick church, tin roof; cost, \$8,000; owners, Third United Presbyterian Church; architect, Wm. H. Moore, 263 Sumpter St.

**Chicago, Ill.**—Congregational Church, church, 654-658 Pine St.; cost, \$5,500.

**Germantown, Pa.**—Centre St., brick and stone church; owners, Zion M. E. Congregation; contractor, Geo. Hearst, Berly and Pulaski Sts.

**Newtown, Pa.**—Work has begun on the new St. Luke's Episcopal Sunday-school and parish building.

**Philadelphia, Pa.**—Manayunk and Ridge Aves., two-st'y brick and stone church; contractor, J. W. Fritzinger, Roxborough.

Green St., Nos. 2323-25, two-st'y stone church; owners, Roman Catholic Church of St. Francis Xavier; architect, E. F. Durang, s. w. cor. Twelfth and Chestnut Sts.

Forty-sixth St. and Chester Ave., stone church; owners, Baptist Church; architect, C. W. Bolton, 1510 Chestnut St.

The Baptist Church on Broad St. below Tioga St., have had their corner-stone laid.

Catharine and Eighth Sts., one-st'y chapel; Rev. T. D. Maan has charge.

**St. Louis, Mo.**—Church, Wagoner Pl. and North Market St.; cost, \$4,700; owners, United Pres. Church; contractor, Darragh.

**Wayne, Pa.**—Cayuga St. and Germantown Ave., building to be built by All Saint's Lutheran Church.

## FACTORIES.

**New York, N. Y.**—Forty-fifth St., s. s. 175' e First Ave., two-st'y brick factory, gravel roof; cost, \$6,000; owners, Schwarzschild & Sulzberger, Forty-fifth St. and First Ave.; architects, O. B. Ogden & Son, 1031 Madison Ave.

**Reading, Pa.**—Three-st'y brick factory; owners, W. G. Hollis & Bro., n. w. Building Association row dwells.; contractor, Wm. Gelch.

**Rochester, N. Y.**—Six-st'y brick and stone factory building; cost, \$60,000; architect, Chas. S. Ellis, Commercial Building.

## HOSPITALS.

**Mount Airy, Pa.**—Two-and-one-half-st'y hospital for the Deaf and Dumb Asylum; contractor, Wm. R. Dougherty, 1604 Sansom St.

**New York, N. Y.**—Sixty-third St., n. s. 103' w Avenue A, three-st'y brick hospital, iron, frame and fireproof block roof; cost, \$45,000; owner, J. M. Schley, M. D., 1 East Forty-second St.; architect, Edw. L. Angell, 94 Liberty St.

## HOTELS.

**Havre de Grace, Md.**—Isaac Hecht will build a hotel to cost \$10,000.

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## BUILDING INTELLIGENCE.

### HOUSES.

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**Baltimore, Md.**—Peter Schmidt, three-st'y brick building, s. w. cor. Gilman and Saratoga Sts.

Three two-st'y brick dwells.; contractor, E. H. Zugler.

Three three-st'y brick dwells.; contractor, G. A. Davis.

Three two-st'y brick dwells.; contractor, F. Decker.

Eleven two-st'y brick dwells.; contractor, Adam Miller.

**Berwyn, Pa.**—Three-st'y stone and shingle dwell., stable in rear; owner, C. Davis English; architect, M. Fielding, 110 South Fourth St.

**Boston, Mass.**—Brandon St., opp. Newbury St., Ward 23, frame dwell., 25' x 32.3'; owner, Albert Hentz; builder, P. M. Brown.

Haviland St., opp. Tuttle St., Ward 24, frame dwell., 28' x 39'; owner, G. S. Moynahan.

Melvin St., near West Park St., Ward 24, 2 frame dwells., 25' x 40'; owner and builder, W. A. Lent.

Gardner St., near Baker St., Ward 23, frame dwell., 20' x 28'; owner and builder, G. L. Morrison.

Havey St., near Dudley Ave., Ward 23, frame dwell., 24' x 28'; owner, Wm. Milne; builder, P. Havey, Jr.

Highland Ave., near Highland St., Ward 21, 3 three-st'y frame dwells., flat roofs, 22' x 49'; owner and builder, J. B. Mulvey.

West Park St., near Whitfield St. and near Spencer St., Ward 24, 4 frame dwells., 24' x 38'; owner and builder, W. A. Lent.

Adams St., near Richmond St., Ward 24, frame dwell., hip roof, 30' x 35'; owner, T. J. Giorer; builder, J. D. Chute.

Stratford Ave., near Kenneth St., Ward 23, frame dwell., hip roof, 38' x 42'; owner, Edna A. Lougee; builder, M. A. Blanchard.



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(Houses Continued.)

Leroy St., near Geneva Ave., Ward 24, frame  
dwelling, 24' x 31'; owner and builder, L. J. Gillis.  
Chestnut Hill Ave., near Winslip St., Ward 25, 2  
frame dwellings, 13'6" x 50'; owner, Geo. Roeder;  
builder, A. C. Fraser.  
Dorchester Ave., Nos. 2195-2197, Ward 24, frame  
dwelling, 21'6" x 39'; owner, Bena Ehrard; builder, C.  
Pflester.  
Harrison Ave., Nos. 900-902, Ward 18, 2 four-st'y  
brick dwellings, and stores, flat roofs, 21'9" x 46'6";  
owners and builders, O'Toole & Vose.  
Humboldt Ave., near Monroe St., 4 three-st'y brick  
dwellings, flat roofs, 20' x 40'; owner and builder, B.  
J. Connelly.

Brooklyn, N. Y. — Bushwick Ave., e. s. 20' n Pilling  
St., 4 three-st'y frame dwellings, tin roofs; cost, \$4,000  
each; owner, Wm. Kaubitz, 55 Jane St., New York  
City; architect, Henry Vollweiler, 483 Hart St.  
Bushwick Ave., e. s. 20' n Pilling St., 4 three-st'y  
frame dwellings, tin roofs; cost, \$4,000 each; owner,  
Wm. Kaubitz, 55 Jane St., New York City; archi-  
tect, Henry Vollweiler, 483 Hart St.  
Miller Ave., e. s. 225' n Fulton Ave., two-st'y frame  
dwelling, tin roof; cost, \$3,000; owner, C. Hean, 74  
Miller Ave.; architect, Chas. Infanger, Atlantic and  
Van Sicken Aves.

Chicago, Ill. — J. L. Cochran, 5 two-st'y dwellings,  
2505-2411-2442-2466-2469 Lakewood Ct.; cost, \$15,000.  
Edwin Gordon, two-st'y dwelling, 1102 Montana St.;  
cost, \$3,000.  
John Tucker, two-st'y dwelling, 327-329 Humboldt  
Boulevard; cost, \$5,000.

Clifton Heights, Pa. — Dwelling and store; owner,  
Chas. Lindsay.

Doylestown, Pa. — Hamilton St., several brick  
dwellings, tin roofs; owner, Frank P. Kolbe.

Dawson, Pa. — Dwelling; cost, \$5,000; owner, Mrs. G.  
C. Cochran; contractors, C. C. Ruse & Son.

Media, Pa. — Brick dwelling; owner, Benjamin Broad-  
belt, East Media.

Brick dwelling and store; owner, H. C. Johnson;  
contractor, Washington Hickson.

Mullica Hill, Pa. — Dwelling and barn; owner, John  
Scott.

New York, N. Y. — One Hundred and Forty-eighth  
St., n. s. cor. Convent Ave., 6 three-st'y brick dwellings,  
tin roofs; cost, \$84,500; owner, Annie C. Doyle, 206  
West Ninety-sixth St.; architects, A. B. Ogden &  
Son, 1031 Madison Ave.

Seventieth St., n. s. 109' w Madison Ave., 6 three  
and four-st'y brick dwellings, tin roofs; cost, \$150,000;  
owner, Harry Chaffee, 339 Boulevard; architect, P.  
Wm. L. Storm, 160 Fifth Ave.

Freeman St., n. s. 109' e Union St., 3 three-st'y  
stone and frame dwellings, tin roofs; cost, \$9,000;  
owner, Francis B. Hohmann, 3-7 Bitter Pl.; archi-  
tect, Anthony F. A. Schmitt, 604 Courtland Ave.  
Maple Ave., e. s. 46' n Samuel St., three-st'y stone  
and frame dwelling, tin roof; cost, \$4,000; owner,  
Charles Wellner, 719 East One Hundred and Forty-  
fifth St.; architect, Anthony F. A. Schmitt, 604  
Courtland Ave.

One Hundred and Seventieth St., n. s. 91' w Boston  
Ave., 3 three-st'y brick and frame dwellings, tin roofs;  
cost, \$10,000; owners, Wright & Pragnell, Jennings  
St., near Union St.; architect, R. E. Rogers, 110  
East One Hundred and Twenty-fifth St.

Tremont Ave., s. s. 300' w Anthony Ave., three-st'y  
brick and frame dwelling, tin roof; cost, \$3,500; owner,  
Mary M. Bailey, 552 Tremont Ave.; architect, J. J.  
Vreeland, 711 Tremont Ave.

Railroad Ave., w. s. 75' s One Hundred and Sixty-  
fourth St., 7 three-st'y stone and frame dwellings, tin  
roofs; cost, \$31,500; owner, A. Dooper, One Hundred  
and Fiftieth St., near Melrose Ave.; architect, A.  
F. A. Schmitt, 604 Courtland Ave.

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(Houses Continued.)

Overbrook Station, Pa. — Two brick, stone and  
frame dwellings; contractors, Wendell & Smith.

Philadelphia, Pa. — School Ave., cor. Pulaski Ave.,  
stone house, shingle roof; architect, M. Fielding,  
110 South Fourth St.; contractor, Wm. Gruhler.

Fifty-fifth St., s. Haverford St., 7 two-st'y dwellings;  
owner, Wm. Oldfield.

Ludlow St., w. Sixty-second St., two-st'y dwelling;  
owner, Jos. M. Blankley, Sixty-third Ave. and  
Market St.

Margaretta St., w. Willow St., 2 two-st'y dwellings;  
contractor, W. S. Roberts, 4921 Franklin St.

State St., n. Grant St., two-st'y dwelling; contractor,  
Neilson Brown, Torredale Ave.

Broad St., n. Mifflin St., three-st'y dwelling; con-  
tractors, Brennan Bros., 1623 South Seventeenth  
St.

Wheat St., s. Reed St., 2 three-st'y dwellings; con-  
tractor, D. France, 1008 South Sixth St.

Limekiln Pike, n. Mill St., two-st'y dwelling; owner,  
F. McGill.

Wakeling St., e. Cedar St., 2 two-st'y dwellings;  
owner, E. H. Shaw, cor. Franklin and Harrison Sts.

Lawrence St., s. Cayuga St., two-st'y dwelling; con-  
tractor, Thos. Mulholland, Lawrence St., n. Cayuga  
St.

Fulmer St., cor. Banes St., three-st'y dwelling; con-  
tractor, Rush Taylor, Bustletown.

Horrocks St., n. w. cor. Adams St., two-st'y dwelling;  
owner, Geo. H. Flek, 1576 Deal St.

Wolf and Broad Sts., several brick and stone  
dwellings; contractor, W. T. B. Roberts.

Six brick dwellings; owner, Mrs. McWhinney; archi-  
tect, McMillan.

Pittsburgh, Pa. — Fairbanks St., cor. Hastings St.,  
dwelling; cost, \$10,000; owner, J. M. Skiles.

Stone dwelling; owner, A. P. Kirkland.

Somerville, Mass. — Wheeler St., frame dwelling and  
stable; owner, H. W. Covill; builder, F. A. Chandler.

Melrose St., frame dwelling; owner and builder, John  
Stackpole.

Morton St., frame dwelling; owner, John Connors;  
builder, Sylvester Woods.

Bartlett St., frame dwelling; owners and builders,  
S. & C. H. Williams.

Vinnie Ave., 4 frame dwellings; owner and builder,  
F. A. Harmon.

Bradley St., 10 frame dwellings; owner, Arthur  
Vinal; builder, C. E. Gould.

Hammond St., near Concord Ave., frame dwelling;  
owner and builder, John Elston.

Kilby St., near Somerville Ave., frame dwelling;  
owner and builder, J. G. Poingdestier.

Hancock St., frame dwelling; owner, James W.  
Benjamin; builders, Sheriffs & Grant.

Minnie Ave. and Meacham St., frame dwelling, store  
and shop; owner, Anne Black.

Scriff St., frame dwelling; owner, F. B. Olmsted;  
builder, A. D. Kleo.

St. Louis, Mo. — Two-st'y dwelling, n. s. Congress St.,  
bet. Liberty and McNair Aves.; cost, \$4,000; owner,  
G. Sadler; contractor, Erchmann.

Two-st'y dwelling, s. s. Russell St., bet. Grand  
and Cabanne Aves.; cost, \$4,500; owner, Firman Jessup;  
contractors, F. H. Grey & Bros.

BUILDING INTELLIGENCE.

(Houses Continued.)

Two-st'y dwelling, s. s. Cabanne St., bet. Hamilton  
Ave. and City Limits; cost, \$10,000; owner, Jos. H.  
Barr; contractors, Barratt Bros.

Two-st'y dwelling, e. s. Virginia St., bet. Russell and  
Geyer Aves.; cost, \$5,000; owner, C. F. Schultz;  
contractors, W. P. Sloss & Bro.

Washington, D. C. — Eighteenth and P Sts., dwelling;  
owner, Mr. Boardman; contractor, Chas. A. Langley.  
K St., dwelling; owner, Gen. Wadsworth, Genesee,  
N. Y.; architect, Harvey L. Page; contractor, John  
S. Larcombe.

Wellesley Hills, Mass. — Frame dwelling, 28' x 56';  
owner, Isaac Sprague, Jr.; contract to be let; archi-  
tect, Warren A. Rodman, Boston.

Worcester, Mass. — Bloomingdale Road, one-and-  
one-half-st'y frame dwelling; owner and contractor,  
Jules L. Faubert.

Wachusett St., two-st'y frame dwelling; owner, F. S.  
Blanchard; contractors, G. S. & H. G. Hadley;  
architects, Geo. & J. F. Kingston.

Bluff St., three-st'y frame dwelling; owner, Joseph  
C. La Rose, day-work.

Lincoln St., two-st'y frame dwelling; owner, A. W.  
Andrews; contractors, Ward & Blanding.

PUBLIC BUILDINGS.

Baltimore, Md. — J. C. Gott, architect is preparing  
plans for the State Penitentiary, to consist of a  
four-st'y executive building, warden's residence and  
several shops, with dormitory additions to contain  
1990 steel cells. The estimated cost is \$1,500,000.

SCHOOL-HOUSES.

Chicago, Ill. — Congregational Church, school-house,  
1076 Central Park Ave.; cost, \$4,000.

Sanford, Fla. — School-building to cost about \$10,000  
will be built.

STABLES.

Chicago, Ill. — F. Birk, two-st'y barn, 1901-1905  
Wellington Ave.; cost, \$3,000.

P. J. Casey, three-st'y barn and shed, 18-22 Ferdi-  
nand St.; cost, \$3,000.

New York, N. Y. — College Ave., e. s. 75' s One Hun-  
dred and Forty-eighth St., three-st'y brick stable,  
gravel roof; cost, \$3,500; owner, Julia Greenfield,  
484 College Ave.; architect, A. F. A. Schmitt, 604  
Courtland Ave.

Somerville, Mass. — Belmont St., near Summer St.,  
frame stable; owner, Joseph R. James; builder, T.  
F. Farrington.

Hudson St., frame stable; owner, F. M. Bowers;  
builder, C. A. Slager.

Beacon St., frame stable; owner, Mr. Mitchell;  
builders, Gillis Bros.

Marshall St., frame stable; owner, Walter J.  
Moore; builder, E. N. Hutchins.

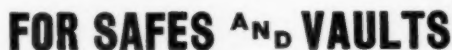
Worcester, Mass. — Wall St., one-st'y frame stable;  
owner and contractor, Eusebe Errell.

Mulbury St., one-st'y frame stable; owner, Mrs.  
Ida E. Gates; contractor, J. J. Hardaker.

STORES.

Boston, Mass. — Lincoln St., Tufts St. and Essex  
Pl., Ward 10, eight-st'y brick store, flat roof, 33' x

## "CAPITAL"



**Positively Burglar-proof, cannot be  
Cut, Sawed, or Drilled,**

**CHROME STEEL WORKS, Brooklyn, N. Y.**

## BUILDING INTELLIGENCE.

(Miscellaneous Continued.)

**Worcester, Mass.**—*Shrewsbury St.*, four-st'y brick and stone store-house; owners, Hubl'y Mfg. & Supply Co.; contractors, Rankin & Woods.

H. Garrison.

### WAREHOUSES.

H. Garrison.

## ALPHABETIC

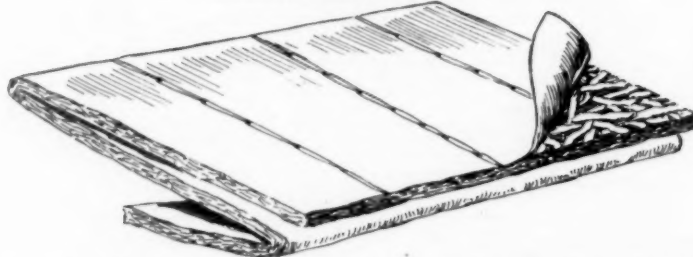
The (E) indicates that the advertisement may be found in the last or the following issue: the (M) that it may be found in the first issue for each month.

[illegible]



# CABOT'S SHEATHING QUILT.

(Patented Dec. 27, 1892.)



## SUCCESSOR TO BACK-PLASTERING.

A New Heat and Cold Proof Material for Sheathing and Sound Deadening.

OUR "SHEATHING QUILT" is unique, and a decided improvement on all former materials for the same purposes. It is composed of decay-proof and vermin-repelling grass, held securely in place between two layers of tough manilla paper by quilting (see cut), and forms a soft, thick padding which excludes heat or cold and effectually deadens sound. Its low price makes its use possible on the cheapest as well as the costliest buildings, and its ease of application gives it a still greater advantage over back-plastering. The price is 90 cents per hundred square feet, less than half the cost of back-plastering, and it is shipped in bales of 56 square yards each. We submit "Sheathing Quilt" to the consideration of all architects, to whom we shall be glad to send sample on application.

As the sea plant of which it is made contains Silicon in place of Carbon, the Quilt is much less inflammable than common sheathing papers.

**SAMUEL CABOT,** Sole Manufacturer, BOSTON, MASS.

### MANUFACTURER OF

Cabot's Creosote Shingle Stains,  
Cabot's Brick Preservative,

Cabot's Anti-Pyre Fireproofing,  
Cabot's Mortar Colors.



# The . . J. L. Mott Iron . . Works, .

84 to 90 Beekman Street,  
New York.

## ROLL-RIM, PORCELAIN KITCHEN SINK

With Recessed Legs.

(PATENT APPLIED FOR)

A GREAT DESIDERATUM IN MODERN PLUMBING IS TO HAVE THE VARIOUS APPLIANCES SET OPEN AND ACCESSIBLE, AND WHEREVER POSSIBLE WITHOUT CABINET WORK. IN THE SINK SHOWN THE ROLL-RIM REQUIRES A WOOD TOP OR CAPPING UNNECESSARY, THEREBY MAKING A MORE DESIRABLE ARTICLE IN A SANITARY POINT OF VIEW, AND ADDING MATERIALLY TO ITS FINE APPEARANCE.

Interested parties are invited to visit our showrooms and examine these and other sanitary appliances.  
Illustrated Price List mailed on application.

Copyright, 1892, by THE J. L. MOTT IRON WORKS. PLATE 10 4-G.

Put into the White House by the U. S. Government.

**SEALS WITH OR WITHOUT WATER**

**CUDELL**  
Anti-Syphon Trap

For venting, use vent-top. For venting, use vented outlet

**F. E. CUDELL'S**  
**PATENT SEWER-GAS AND BACK-WATER TRAP,**  
For Wash-Bowls, Sinks, Bath and Wash-Tub  
West Cleveland, O.

"THE CAST SINK MUST GO"

**THE COLUMBUS** **SINK** **DISPLACES**  
**WROUGHT STEEL** **ALL OTHERS**

**PAINTED, GALVANIZED, ENAMELLED.**

Send for descriptive circular and prices, to  
**The Kilbourne & Jacobs Mfg. Co.**  
Sole Manufacturers. - COLUMBUS, OHIO

The Latest and Best Portrait of  
**Bishop**

**PHILLIPS BROOKS,**

Etched from the Latest Photographs, in the

Highest Style of the Art, by

**CHARLES A. WALKER.**

On Paper 13 x 18 inches, Price, \$1.00.

Sold by Booksellers and Art Dealers.  
Sent postpaid on receipt of price by the Publishers,

**TICKNOR & CO.**

BOSTON.

**ARCHITECTS, BUILDERS and PLUMBERS**  
SHOULD EXAMINE THE

## Du Bois "SAFETY" TRAP

An Entirely New Article in the Plumbing Line.

This Trap is made of brass, either polished or nickel-plated, in one size only 1½ inch). It is the only Trap having an appliance that will keep sewer-gas out of vacant houses and unused rooms.

## "EJECTOR" Faucets

For the finest, first-class work; made only of bronze composition, and all plating is extra heavy; has no packing and yet never leaks.

**DRAWN LEAD TRAPS AND BENDS.**

**McCLELLAN**

## Anti-siphon Trap Vent.

This Vent affords absolute security against trap siphonage in all situations and under all conditions liable to occur in plumbing practice.  
Used exclusively in the Lavatories in the Buildings of the World's Fair, Chicago.

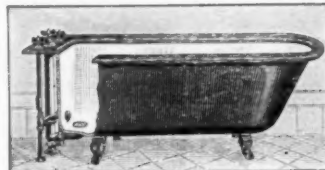
For Descriptive Catalogue, address  
**Du Bois Manufacturing Co.,**  
245 Ninth Avenue - New York.

New Form, with Glass Bottom.

## ENAMELLED FRENCH BATHS.

With  
Patent Supply  
and  
Waste.

Send for New Catalogue.



MANUFACTURERS OF  
AND DEALERS IN  
PLUMBERS' SUPPLIES  
— AND —  
SANITARY SPECIALTIES.

**Haines, Jones & Cadbury Co.,**

No. 1136 Ridge Avenue, Philadelphia, Pa.





# THE MAN AT THE FURNACE

GETS HOT INSIDE AND OUT

when the fickle wind blows fire and smoke into his face.

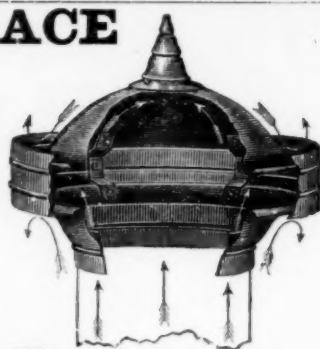
IT SAVES SWEARING

in such cases to put a **GLOBE VENTILATOR** on the chimney and create a steady upward current.

**GLOBE VENTILATOR CO.,**

OFFICE: 203 River Street,

TROY, N. Y.

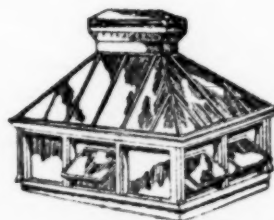


TO ARCHITECTS,  
BUILDERS  
AND OWNERS.

## MINERAL WOOL,

Attention is called to Fireproof and Vermin-Proof  
As a Lining in Walls and Floors for preventing the  
ESCAPE OF WARMTH AND THE DEADENING OF SOUND.  
SAMPLES AND CIRCULARS FREE.  
U. S. MINERAL WOOL CO., 2 Cortlandt St. New York.

## THE BROOKLYN Metallic Skylight Works.



JOHN SETON, 78 and 80 Washington Ave.  
BROOKLYN, N. Y.  
Prices given on application.

Specify the "**CLEAN SWEEP**" NON-SIPHON  
SEWER-GAS TRAP  
Send for Illustrated Catalogue.  
DETROIT SANITARY SUPPLY CO. - 39 to 41 First Street, DETROIT, MICH.

## BOSTON FIRE-BRICK WORKS.

### FRONT BRICK

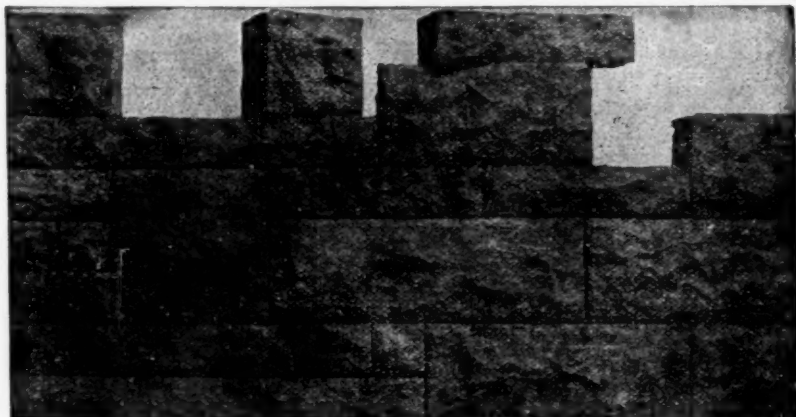
BUFF, BROWN, MOTTLED YELLOW,  
GRAY, OLD GOLD AND  
OTHER COLORS.

## BOSTON TERRA-COTTA COMPANY.

### Architectural Terra-cotta

In all its varied colors and forms.

## The Boston Brick Ashlar.



G. M. FISKE'S PATENTS, 415,772, 415,773 and 415,774. November 26, 1889.

## FISKE, HOMES & CO.,

MANAGERS,

Factories on Federal Street and  
at South Boston.

Office, 164 Devonshire St., Boston.  
Times Building, Park Row, New York.  
927 Chestnut St., Philadelphia.

This new and unique form of Brick or Terra-cotta Work is furnished  
in all colors known in clay manufacture, and in great variety  
of form and finish, by the following

LICENSEES:

FISKE, HOMES & CO., Boston, Mass.; New York Office, Times Building.  
THE NORTHWESTERN TERRA-COTTA CO., Chicago, Illinois.

[See Alphabetical Index on page XV for Pagination.]

## Classified Advertisements.

[Advertisers can be indexed only under a single head free of charge.]

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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| <b>Air Valves.</b><br>Hodge Bros., Boston, Mass.<br><b>Antinounin.</b><br>W. H. Schieffelin & Co., New York, N. Y. (cow)<br><b>Annunciators.</b><br>W. R. Ostrander & Co., New York, N. Y. (mon)<br><b>Architects.</b><br>Bailey & Truscott, Philadelphia, Pa. (cow)<br><b>Architect's Materials.</b><br>Frost & Adams, Boston.<br><b>Architectural Sheet-Metal Ornamental Works.</b> W. H. Mullins, Salem, O.<br><b>Artificial Stone.</b><br>Woods Pavement Co., New York, N. Y. (cow)<br><b>Asbestos Felt &amp; Boiler Coverings.</b><br>H. W. Johns Mfg. Co., New York<br><b>Asbestos Felt.</b><br>H. F. Watson Co., Erie, Pa.<br><b>Asbestos Paint.</b><br>H. W. Johns Mfg. Co., New York<br><b>Asphalt.</b><br>Neuchatel Asphalt Co., New York<br>New York Asphalt Works, New York, N. Y.<br><b>Asphalt Roofing.</b><br>Warren Chemical & Mfg. Co., New York<br><b>Basin Cocks.</b><br>Stebbins Mfg. Co., Brighton, Mass. (cow)<br><b>Bath-Tub.</b><br>Fred. F. Buehler & Co., Chicago, Ill. (mon)<br>Miller & Coates, New York<br>J. L. Mott Iron Works, New York<br><b>Bells.</b> Blake Bell Co., Boston, Mass.<br>U. S. Tubular Bell Co.<br><b>Blue Prints.</b><br>Spaulding & Moss, Boston, Mass. (cow)<br><b>Boilers.</b><br>Babcock & Wilcox Co., New York<br>Randolph & Clowes, Watervly, Conn.<br><b>Books and Journals.</b><br>Sabin & Wilson Co., New York<br>Century Co., New York, N. Y. | <b>Books and Journals.</b> (Continued.)<br>Wm. F. Comstock, New York<br>Hessling & Spielmeier, New York N. Y.<br>Schnorr & Co., Boston<br><b>Brass Goods.</b><br>J. B. Shannon & Sons, Philadelphia (mon)<br><b>Brick Ashlar.</b><br>Fiske, Homes & Co., Boston<br><b>Brick (Colored).</b><br>Jarden Brick Co., Philadelphia, Pa.<br><b>Brick (Ornamental).</b><br>Fleming Cement & Brick Co., New York (cow)<br>W. H. Gates, Boston, Mass. (cow)<br>Hydraulic Press Brick Co., St. Louis<br>Peerless Brick Co., Philadelphia, Pa.<br>Waldo Bros., Boston<br><b>Bronze Work.</b><br>M. J. Power, New York<br><b>Bronze and Brass Work.</b><br>Paul E. Cabaret, New York, N. Y.<br><b>Building Felt (Fire and Waterproof).</b><br>H. W. Johns Mfg. Co., New York<br><b>Building Papers.</b><br>H. F. Watson Co., Erie, Pa.<br><b>Ceilings (Metal).</b><br>New York Metal Ceiling Co., New York, N. Y.<br>H. S. Northrop, New York, N. Y.<br>The Kinsner & Gager Co., Columbus, O. (cow)<br><b>Cement (Hydraulic).</b><br>F. O. Norton Cement Co., N. Y.<br><b>Cement.</b><br>Allen's Cement Works, New York, N. Y. (cow)<br>Brooks, Shoenberger & Co., New York<br>Fleming Cement & Brick Co., New York (cow)<br>Johnson & Wilson, New York<br>Lawrence Cement Co., New York, N. Y.<br>E. Thiele, New York, N. Y.<br><b>Chrome Steel Castings.</b><br>Chrome Steel Works, Brooklyn, N. Y. (cow)<br><b>Clay Shingles.</b><br>Clay Shingle Co., Indianapolis, Ind. | <b>Conductors (Water).</b><br>W. Austin Obdyke & Co., Philadelphia<br>Boston Spiral Tube Works, Boston<br>Seiderless Standing-Seam Conductor Co.,<br>Allegheny, Pa.<br><b>Conservatories.</b><br>Lord & Barnham Co., Irvington-on-Hudson,<br>N. Y.<br><b>Consulting Engineer.</b><br>George Hill, New York, N. Y.<br><b>Cordage.</b><br>Samson Cordage Works, Boston. (cow)<br><b>Cresote Stains.</b><br>S. Cabot, Boston, Mass.<br><b>Coverings.</b> (Boiler & Pipe)<br>H. W. Johns Mfg. Co., New York, N. Y.<br><b>Decorators.</b><br>L. Habershtet & Son, Boston<br>Fieser & Sons, Philadelphia, Pa. (cow)<br><b>Door Hangers.</b><br>Lane Bros. Poughkeepsie, N. Y.<br><b>Door-Knobs.</b><br>J. Bardley, New York, N. Y.<br><b>Drawing Ink.</b><br>Chas. M. Higgins, Brooklyn, N. Y.<br><b>Drawing Instruments.</b><br>Tieser & Alexander & Sons, Philadelphia, Pa. (cow)<br><b>Electric Switch.</b><br>Cutler Electrical & Mfg. Co., Philadelphia, Pa.<br><b>Elevators, etc.</b><br>Crane Elevator Co., Chicago, Ill.<br>Graves Elevator Co., Rochester, N. Y.<br>Volney W. Mason & Co., Providence, R. I.<br>Moore & Wymann, Boston<br>Moore, Williams & Co., Philadelphia<br>Otis Brothers & Co., New York<br>Springfield Foundry Co., Springfield, Mass.<br>Standard Elevator Co., Chicago, Ill. | <b>Elevators, etc.</b> (Continued.)<br>Wentworth Machine Co., Boston<br><b>Elevator Cars and Enclosures.</b><br>J. E. Bolles & Co., Detroit, Mich. (cow)<br><b>Engineering Help.</b><br>The Engineering Employment Bureau<br><b>Fan (Ventilating).</b><br>Hayett & Smith Mfg. Co., Detroit, Mich.<br><b>Fireproof Building.</b><br>Henry Maurer, New York<br>Pioneer Fireproof Construction Co., Chicago, Ill.<br><b>Fireproof Construction.</b><br>Gustavino Fireproof Construction Co., N. Y.<br><b>Fireproof Lathing.</b><br>Hayes Metallic Lathing, New York<br><b>Floors (Hardwood).</b><br>The Interior Hardwood Co., Indianapolis, Ind.<br>Wood Mosaic Co., Rochester, N. Y. (cow)<br><b>Floors (Inlaid).</b><br>National Wood Mfg. Co., N. Y.<br><b>Gas-Machines.</b><br>Currell Gas-Machine Co., New York<br><b>Gates.</b><br>Wm. B. Pitt, New York, N. Y. (mon)<br><b>Glass (Bent).</b><br>W. A. Smith, Newark, N. J. (mon)<br><b>Glass (Stained and Ornamental).</b><br>Matland Armstrong & Co., New York<br>Matthews Decorative Glass Co., New York<br>Donald Macdonald, Boston<br>Tiffany Glass & Decorating Co., New York<br><b>Grates, etc.</b><br>J. B. Conover & Co., New York<br>E. A. Jackson & Bro., New York, N. Y.<br>Wm. H. Jackson & Co., New York<br><b>Hard Oil Finish.</b><br>Berry Bros., Detroit, Mich.<br><b>Hardware.</b><br>Burditt & Williams, Boston, Mass.<br><b>Hardware. (Art.)</b><br>Yale & Towne Mfg. Co., Stamford, Ct. |
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### Fire-proof Building.

**RARITAN HOLLOW AND POROUS BRICK CO.,**  
 MANUFACTURERS OF  
**Hollow Fire-Clay and Porous Terra-Cotta Bricks**  
 of Every Description, for Fireproof Buildings.  
**BUFF AND MOTTLED FRONT BRICK, FIRE BRICK.**  
 Send for new Illustrated Catalogue, giving weight of materials, safe loads, etc.  
 Office, 874 Broadway, NEW YORK.

ESTABLISHED 1866.  
**HENRY MAURER & SON,**  
 Manufacturers of  
**FIRE-PROOF BUILDING MATERIAL**  
 Of every description. Hollow Brick made of Clay for Flat Arches, Partitions, Furring, etc.  
 Porous Terra-Cotta, Fire-Brick, etc., etc.  
 Works, MAURERS, N. J. Office and Depot, 430 EAST 23d STREET, New York.



**Guastavino Fireproof Construction Co.,**  
 Main Office, 57th St., near North River, New York.  
 BRANCH OFFICES: 63 Pierce Building, Boston. Vaughan Building, Providence.  
 Phoenix Building, Chicago. New Insurance Building, Milwaukee.

**PIONEER FIREPROOF CONSTRUCTION CO.**  
 1545 SO. CLARK STREET, CHICAGO.  
 MANUFACTURERS AND CONTRACTORS  
 FOR EVERY DESCRIPTION OF  
**Hollow Tile AND Porous Terra-Cotta**  
**FOR FIREPROOFING BUILDINGS.**  
 CONTRACTS TAKEN IN ALL PARTS OF THE UNITED STATES. Send for Illustrated Catalogue and Price List.

### Building Stones.

**Dorchester, (New Brunswick.) Yellow.**  
 FREESTONE.  
**Corsehill, (Scotch.) Red.**  
 FREESTONE.  
**G. P. SHERWOOD, 24 Pine St., New York.**

**J. P. FALT & COMPANY,**  
 Quarrymen & Miners of  
**RED SANDSTONE.**  
 Contractors for CUT-STONE WORK.  
 Proprietors of Carlisle Quarries, Springfield, Mass.  
 Prices for rough stone furnished on application,  
 and estimates made for cut-stone work to be delivered  
 at any railroad point. Correspondence solicited.  
 Send for samples.

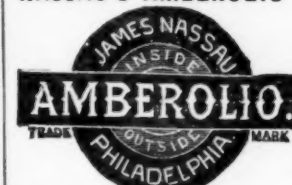
**CLARKSON QUARRIES.**  
**Potsdam Red Sand Stone**  
 — ALSO —  
**Richville White Marble.**  
 STONE CUT AND DELIVERED  
 READY TO SET IN BUILDINGS.

THOS. S. CLARKSON, T. S. CLARKSON & CO.  
 POTSDAM, N. Y. AGENTS,  
 55 LIBERTY ST., N. Y.



**NATIONAL Fine Art Foundry,**  
 218 East 25th Street, New York.  
 Artists' Models cast in Standard Bronze.  
 Architects' Designs Executed.  
 Artistic and Enduring Monuments  
 in Granite and Bronze.  
 No Catalogues.  
**MAURICE J. POWER.**

"IT IS NOT WHAT WE UNDERTAKE, BUT WHAT WE FINISH THAT DETERMINES SUCCESS." Architects and Builders would have this crowning feature in the specification and adoption of  
**NASSAU'S AMBEROLIO FINISHES.**



They are acknowledged everywhere as the best Varnishes extant combining the greatest durability and perfection in finish to be attained.

**JAMES NASSAU, MANUFACTURER, Philadelphia, Pa.**  
 S. W. Cor. Broad and Market Streets.

#### Classified Advertisements (Continued).

(Advertisers can be indexed only under a single head free of charge.)

##### Harness Bracket.

Jan. J. Read, Boston. (mon)

##### Heating and Ventilating.

Smith & Anthony Stone Co., Boston.

##### Heating-Apparatus (Steam).

Gorton & Lidgerwood Co., New York. (eow)

N. Y. Central Iron Works Co., Geneva, N. Y.

Pace Steam-heating Co., Norwich, Conn.

Richardson & Boynton Co., New York, N. Y.

H. B. Smith Co., New York.

##### Heliotype Process.

Heliotype Printing Co., Boston.

##### Hinges.

(Spring)

Van Wagoner & Williams Co., Cleveland, Ohio.

##### Hot-Blast Apparatus.

Hayett & Smith Mfg. Co., Detroit, Mich.

B. F. Sturtevant Co., Boston, Mass.

##### Hot-Water Heating.

Detroit Heating & Lighting Co., Detroit, Mich.

Gurney Hot-Water Heater Co., Boston, Mass.

##### Insulated Wire.

W. R. Hixley, New York, N. Y. (eow)

The Okonite Co., (Ltd.) New York, N. Y. (eow)

##### Insurance.

Continental Insurance Co., N. Y. (eow)

Insurance Co. of North America, Phila.

New England Mutual Accident Association.

##### Iron-Work (Architectural).

Belmont Iron Works, Philadelphia, Pa. (eow)

Columbia Iron & Steel Co., Uniontown, Pa.

##### Link-Belting.

Link Belt Engineering Co., Philadelphia, Pa.

##### Mail Boxes.

Cutter Manufacturing Co., Rochester, N. Y.

##### Mantels.

Penrhyn Slate Co., New York.

##### Marble Monies.

Aeschlimann & Fellner, New York.

##### Marble-Workers.

Batterson, See & Eisele, New York.

Robert C. Fisher & Co., New York.

##### Metal Lathing.

G. Hayee, New York.

##### Metal-Workers.

J. & R. Lamb, New York.

Paul E. Cabaret, New York

John Williams, New York

##### Mineral Wool.

U. S. Mineral Wool Co., New York.

##### Mortar Colors.

Samuel H. French & Co., Philadelphia.

##### Oil Finish.

Berry Bros., Detroit, Mich. (eow)

##### Paint.

P. W. Devoe & Co., New York. (eow)

Joseph Dixon Crucible Co., Jersey City, N. J.

Harriason Bros. & Co., Philadelphia, Pa.

H. W. Johns Mfg. Co., New York.

Howson & Howson, Philadelphia. (eow)

##### Pens.

The Esterbrook Steel Pen Co., New York.

##### Perspective Machine.

Shaw & Johnson, Tampa, Fla.

##### Photographs.

Photographic Outfits.

E. & H. P. Anthony & Co., New York, N. Y.

##### Roofers.

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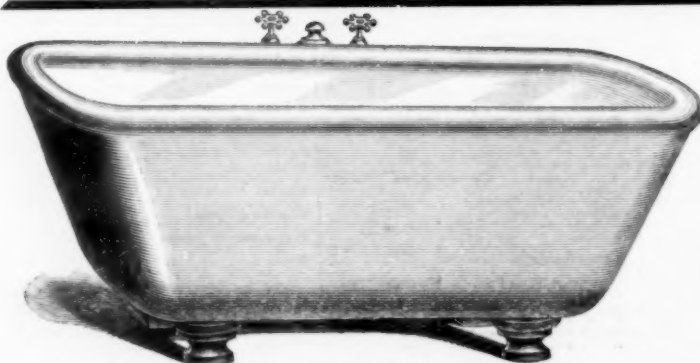
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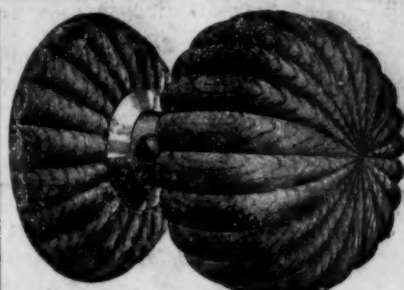
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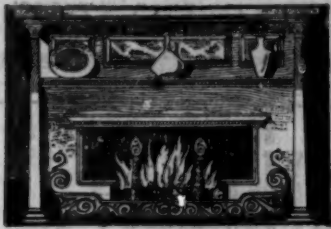
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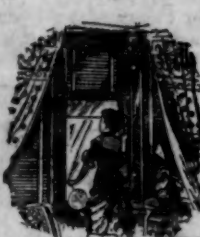
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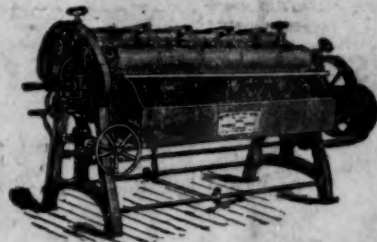
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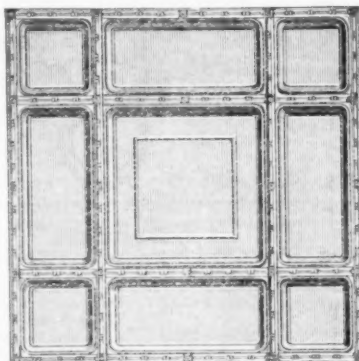
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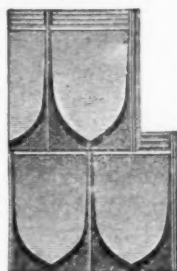


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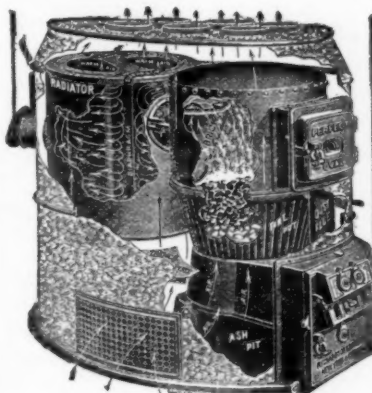
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| Pine, 1st quality, clear.....               | 65 00 @ 75 00       | 55 00 @ 70 00        | 42 00 @ 50 00                         | 48 00 @ 55 00   |
| " 2d quality.....                           | 55 00 @ 60 00       | 42 00 @ 50 00        | 27 00 @ 38 00                         | 40 00 @ 45 00   |
| " 3d quality.....                           | 18 00 @ 22 00       | 35 00 @ 40 00        | 14 00 @ 20 00                         | 30 00 @ 35 00   |
| Spruce.....                                 | 25 00               | 12 00 @ 25 00        | Not sold.                             | 16 00 @ 20 00   |
| Hemlock.....                                | ea 134 @ 14         | 13 00 @ 15 00        | @ 12 00                               | 11 25 @ 13 50   |
| Yellow pine.....                            | 20 @ 40             | 25 00 @ 35 00        | 21 00 @ 34 00                         | 14 00 @ 29 00   |
| Cypress.....                                | @                   | 31 00 @ 40 00        | 18 00 @ 34 00                         | @ 35 00         |
| <b>Clapboards:</b>                          |                     |                      |                                       |                 |
| Pine.....                                   | @                   | 38 00 @ 60 00        | 19 00 @ 24 00                         | 14 00 @ 25 00   |
| Spruce.....                                 | @                   | 28 00 @ 38 00        | Not sold.                             | Not sold.       |
| <b>Framing Timber:</b>                      |                     |                      |                                       |                 |
| Pine.....                                   | 14 00 @ 18 00       | 14 50 @ 18 00        | 12 00 @ 17 50                         | 25 00 @ 37 30   |
| Spruce.....                                 | 12 00 @ 16 00       | 13 00 @ 15 00        | Not sold.                             | 16 00 @ 18 00   |
| Hemlock.....                                | 18 00 @ 21 00       | 22 00 @ 35 00        | 10 00 @ 13 00                         | 13 00 @ 17 00   |
| Yellow pine.....                            |                     |                      | 24 00 @ 34 00                         | 22 00 @ 28 00   |
| <b>Laths:</b>                               |                     |                      |                                       |                 |
| Pine.....                                   | Slab { 2 00         | 2 25 @ 2 50          | @ 2 65                                | 2 75 @ 3 00     |
| Spruce.....                                 |                     | 2 00 @ 3 00          | Not sold.                             | 2 30 @ 3 00     |
| <b>Shingles:</b>                            |                     |                      |                                       |                 |
| Pine, shaved..... P. M.....                 | 5 00 @ 6 00         | @                    | Not sold.                             |                 |
| Pine, sawed..... "                          | 4 00 @ 5 00         | @ 4 50               | 2 + 0 @ 3 15                          |                 |
| Spruce, sawed..... "                        | 1 50 @ 2 00         | 1 50 @ 00            | Not sold.                             |                 |
| Redwood..... P. M.....                      | 1 40 @ 1 60         | 3 25 @ 3 75          | 6 00 @ 7 50                           | { 30" \$35 @ 40 |
| Cedar split..... P. M.....                  | @                   | @                    | Not sold.                             | { 24" 8 @ 21    |
| Cedar sawed..... "                          | @                   | 2 00 @ 3 75          | 2 60 @ 2 75                           | { 30" 35 @ 14   |
| Cypress split..... 7 x 24. "                | 18 00 @ 20 00       | 5 00 @ 6 00          | 3 50 @ 4 00                           | 11 00 @ 15 00   |
| <b>Miscellaneous:</b>                       |                     |                      |                                       |                 |
| Piles..... P. ft.....                       | 44 @ 54             | Piles 6c. P. ft..... | Cut to order.                         |                 |
| Fence pickets, Common.....                  | 8 00 @ 10 00        | 10 00 @ 18 00        | P. 10 00 @ 22 00                      | 9 00 @ 13 00    |
| Cedar posts, 9 ft. (sq. posts.).....        | @                   | 25 @ 50              | 9 @ 21                                | 40 @ 1 25       |
| Chestnut posts.....                         | @                   | 25 @ 50              | Not sold.                             | 20 @ 30         |
| <b>Finishing Woods; P. M. (First Qual.)</b> |                     |                      |                                       |                 |
| Ash.....                                    | @ 55 00             | 45 00 @ 60 00        | 14 00 @ 30 00                         | 42 50 @ 47 50   |
| Cherry.....                                 | 80 00 @ 120 00      | 90 00 @ 120 00       | 35 00 @ 90 00                         | 100 00 @ 120 00 |
| Butternut.....                              | 40 00 @ 60 00       | 60 00 @ 70 00        | 17 00 @ 35 00                         | 70 00 @ 80 00   |
| Hard-pine floors (rift).....                | @ 180 00            | 45 00 @ 50 00        |                                       |                 |
| Mahogany, Baywood (Mexican).....            | @ 350 30            | 160 00 @ 170 00      | 110 00 @ 170 00                       | 150 00 @ 250 00 |
| " St. Domingo.....                          | 45 00 @ 50 00       | 120 00 @ 350 00      | 30 00 @ 250 00                        | 200 00 @ 400 00 |
| Maple.....                                  | @ 70 00             | 45 00 @ 50 00        | 12 00 @ 20 00                         | 25 00 @ 55 00   |
| Oak, red.....                               | @ 70 00             | 50 00 @ 55 00        | 17 00 @ 27 00                         | 42 50 @ 55 00   |
| " white.....                                | @ 90 00             | 65 00 @ 75 00        | 16 00 @ 28 00                         | 45 00 @ 55 00   |
| Sycamore quartered.....                     |                     | 50 00 @ 65 00        | 34 00 @ 40 00                         | 60 00 @ 75 00   |
| Pine, clear.....                            | 65 00 @ 70 00       | 50 00 @ 75 00        | 25 00 @ 28 00                         | 57 50 @ 65 00   |
| Redwood..... P. M.....                      | 60 00 @ 70 00       | 60 00 @ 70 00        | 33 00 @ 50 00                         | @ 65 00         |
| Rosewood.....                               | @ 6                 | 40 00 @ 45 00        | 40 00 @ 45 00                         | 60 00 @ 75 00   |
| Spruce floors (clear, kiln-dried).....      |                     | 32 00 @ 35 00        | per M. 600 00                         |                 |
| Walnut, black.....                          | 125 00 @ 150 00     | 85 00 @ 120 00       | 40 00 @ 75 00                         | 50 00 @ 170 00  |
| Whitewood.....                              | 45 00 @ 50 00       | 40 00 @ 45 00        | 14 00 @ 30 00                         | 25 00 @ 40 00   |
| Yellow pine..... P. M.....                  | @ 45 00             | 40 00 @ 42 00        | 31 00 @ 34 00                         | @ 42 00         |



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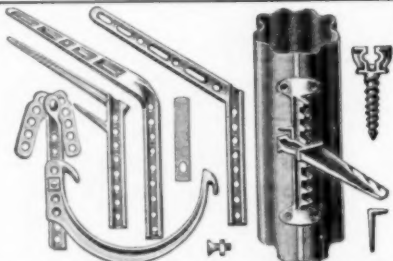
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| Croton, Brown.....                   | 9 00 @ 12 00        | Philadelphia }     |                                       | Dark " @ 13 00      |
| " dark.....                          | 10 00 @ 13 00       | 40 00 @ 45 00      |                                       | Pressed @ 13 00     |
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| Philadelphia.....                    | 23 00 @ 24 00       |                    |                                       |                     |
| Trenton.....                         | @ 19 00             |                    |                                       |                     |
| Milwaukee.....                       |                     |                    |                                       |                     |
| Moulded:                             |                     |                    |                                       |                     |
| Glens Falls Red Pressed.....         | @ 37 00             |                    |                                       |                     |
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| " (K. B. & S.).....                  | 2 50 @ 3 00         | 2 40 @ 2 75        | 3 00 @ 3 25                           | 2 75 @ 3 00         |
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| " French (Alcon).....                | 3 60 @ 3 75         | @ 5 00             | 3 75 @ 4 25                           |                     |
| " German.....                        | 2 90 @ 3 25         | 3 00 @ 3 50        | 3 20 @ 3 40                           |                     |
| " (Fewer).....                       | 2 25 @ 2 40         |                    |                                       |                     |
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| Hair (Cattle) P bush.....            | 18 @ 21             | 25 @ 30            | 16 @ 20                               | 20 @ 25             |
| " (Goat).....                        | 21 @ 25             | @ 30               | 30 @ 35                               | 30 @ 35             |
| Sand, P load.....                    | 1 00 @ 1 25         | 1 75 @ 1 90        | @ 60                                  | @ 1 50              |
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| Bedford.....                         | 45 @ 1 25           | 95 @ 1 00          | 50 @                                  | 75 @ 85             |
| Joliet.....                          | 1 00                |                    | 35 @ 55                               | Richmond            |
| Lemont.....                          |                     |                    | 3 @ 60                                | P 75 @ 1 50         |
| Serpentine.....                      |                     |                    | @ 1 00                                | Perch 4 50 @ 5 50   |

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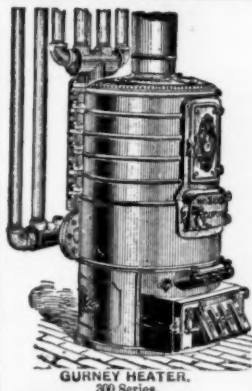
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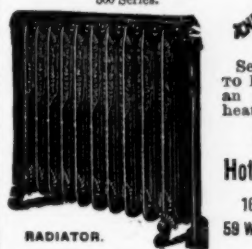
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| Rubble.....                                  | 1 25               | 1 50                                 | 8 50              | 1 45          |
| Bluestone: (P sq. ft.)                       |                    |                                      |                   | 25            |
| Sidewalk.....                                | 30                 | 40                                   | 75                | 1 in. 10      |
| Planed.....                                  | 50                 | 75                                   | 50                | 37            |
| Sandstone:                                   |                    |                                      |                   |               |
| Longmeadow.....                              | 80                 | 80                                   |                   | 95            |
| Kibbe.....                                   | 90                 | 90                                   |                   | 1 05          |
| Brown (Connecticut).....                     | 1 00               | 1 25                                 | 1 50              | 1 05          |
| Amherst Ohio.....                            | 95                 | 90                                   | 45                | 85            |
| Berea.....                                   | 75                 | 85                                   | 45                | 55            |
| Berlin.....                                  | 75                 | 80                                   | 55                | 85            |
| Belleville.....                              | 80                 | 1 25                                 | 62                | 1 00          |
| New Brunswick (Dorchester).....              | 1 00               | 75                                   | 1 25              | 1 05          |
| Caen.....                                    | 1 05               | 2 00                                 |                   | 1 25          |
| Carlisle, English.....                       | 1 05               | 1 05                                 |                   | 95            |
| Corse Hill (Scotch).....                     | 1 05               | 1 05                                 |                   | 95            |
| Marble: (P cu. ft.)                          |                    |                                      |                   |               |
| Leo, Mass.....                               |                    | 1 75                                 | Not Sold.         | 2 00          |
| Rutland, white and blue.....                 |                    | 3 00                                 | 3 50              | 2 00          |
| Sutherland Falls.....                        | 1 25               | 2 00                                 | 3 50              | 1 70          |
| Glens Falls, black.....                      |                    |                                      | Not Sold.         | 4 00          |
| Italian, blue-veined.....                    |                    |                                      | 4 40              | 2 50          |
| Sienna.....                                  |                    |                                      | Not Sold.         | 2 50          |
| Tennessee, red.....                          |                    |                                      | 4 40              | 5 00          |
| Knoxville.....                               |                    |                                      | 4 40              | 4 00          |
| Pennsylvania, blue.....                      |                    |                                      | Not Sold.         | 3 00          |
| Vermont, white.....                          |                    |                                      | 3 50              | 2 00          |
| Slate: Roofing (P square).                   |                    |                                      |                   |               |
| green.....                                   | 5 00               | 4 75                                 | 5 50              | 2 30          |
| unfading.....                                | 5 00               | 5 50                                 | 6 50              | 3 25          |
| purple.....                                  | 5 00               | 5 50                                 | 6 50              | 3 50          |
| red.....                                     | 10 00              | 10 00                                | 11 00             | 50            |
| black, Lehigh.....                           | 4 25               | 4 75                                 | 6 25              | 25            |
| Chapmans.....                                |                    |                                      | 8 00              | 4 65          |
| Unfading black, Monson, Me.....              | 5 50               | 8 00                                 | 6 00              | 5 00          |
| Tiles, Am.....                               |                    |                                      | Not Sold.         | 6 00          |
| N. Peach Bottom, warranted unfading.         |                    |                                      |                   | 6 75          |
| PAINTS. (In Oil P lb.)                       |                    |                                      |                   |               |
| White lead, Am.....                          | 7                  | 7                                    | 7                 | 7             |
| zinc.....                                    | 5                  | 8                                    | 5                 | 10            |
| Red lead, Am.....                            | 6                  | 7                                    | 6                 | 7             |
| Venetian.....                                | 6                  | 10                                   | 1                 | 2             |
| Vermillion.....                              | 65                 | 70                                   | 65                | 68            |
| Indian, Eng.....                             | 12                 | 20                                   | 12                | 20            |
| Yellow Ochre.....                            | 6                  | 15                                   | 3                 | 15            |
| Chrome.....                                  | 12                 | 20                                   | 8                 | 20            |
| Green (chrome).....                          | 8                  | 13                                   | 18                | 35            |
| Green, Paris.....                            | 25                 | 40                                   | 8                 | 30            |
| Black, lamp.....                             | 15                 | 25                                   | 12                | 35            |
| Blue, ultramarine.....                       | 12                 | 18                                   | 57                | 60            |
| Oil, linseed, (raw).....                     | 55                 | 62                                   | 60                | 63            |
| boiled.....                                  | 58                 | 65                                   | 40                | 42            |
| Turpentine.....                              | 36                 | 37                                   | 1 25              | 2 00          |
| Varnish, coach.....                          |                    | 1 50                                 | 2 25              | 3 00          |
| Shellac.....                                 |                    | 2 50                                 | 2                 | 3 00          |
| Putty.....                                   | 2                  | 2                                    | 2                 | 2             |
| Whiting.....                                 | 75                 | 1 00                                 | 1                 | 1             |
| Paris white, (Eng.).....                     | 1 30               | 2 00                                 | 1                 | 2             |
| Litharge, Am.....                            | 5                  | 6                                    | 6                 | 7             |
| Sienna (burnt).....                          | 14                 | 20                                   | 4                 | 14            |
| Umber.....                                   | 14                 | 20                                   | 2                 | 13            |
| HARDWARE.                                    |                    |                                      |                   |               |
| Nails: (Per Cask.) Spikes, (wrought.)        | 2 85               |                                      | 2 35              | 3 50          |
| 10d. common.....                             | 2 60               | 2 20                                 |                   | 1 95          |
| Shingle.....                                 | 3 35               | 2 65                                 |                   | 2 35          |
| Lath.....                                    | 4 85               | 3 20                                 |                   | 3 25          |
| (Finishing nails according to size.)         |                    |                                      | Add .85 to \$2.25 |               |
| (For casing nails add 75 c. per keg.)        |                    |                                      | .50 to .90        |               |
| Butts: 4" x 4"..... (P doz. pairs.)          |                    |                                      |                   |               |
| Plain.....                                   | 1 00               | 1 20                                 | 90                | 2 25          |
| Japaned.....                                 | 1 50               | 1 75                                 | Not Sold.         | 2 30          |
| Acorn, Japaned.....                          | 1 50               | 1 90                                 | 2 00              | 3 75          |
| Ball Tip, Boston Finish..... (P pair.)       | 65                 | 50                                   | Not Sold.         | 48            |
| Bronze metal.....                            | 1 90               | plain 1 65                           | 2 00              | 3 25          |
| Braes (for cupboards).....                   | 10                 | 10                                   |                   | 12            |
| Ebony.....                                   |                    |                                      |                   |               |
| Apple wood.....                              |                    |                                      |                   |               |
| Knobs: (P set.)                              |                    |                                      |                   |               |
| Mineral, best.....                           | 8                  | 8                                    | 8                 | 10            |
| Lava.....                                    | 50                 | 75                                   | 65                | 80            |
| Hemacite.....                                | 30                 | 17                                   | 31                | 40            |
| Porcelain.....                               | 30                 | 10                                   | 25                | 30            |
| Glass, solid.....                            | Not Sold.          | 50                                   | Not Sold.         | 50            |
| Glass, silvered.....                         | Not Sold.          | 88                                   | 1 50              | 1 75          |
| Bronze metal.....                            | 75                 | 2 00                                 | 50                | 3 00          |
| Brass.....                                   | 1 00               | 2 50                                 | 1 00              | 3 00          |
| Solder:                                      |                    |                                      |                   |               |
| Sheet Lead.....                              |                    |                                      | 14                | 16            |
| Lead Pipe.....                               |                    |                                      | 5                 | 6             |
| Iron:                                        |                    |                                      |                   |               |
| I-Beams, up to and including 30 ft.....      | 3 3-10             | 3                                    | 3 4-10            | 2 8-10        |
| do. over 30 ft., 1/2 c. adv. for every 5 ft. | 3 3-10             | 3                                    | 3 4-10            | 2 8-10        |
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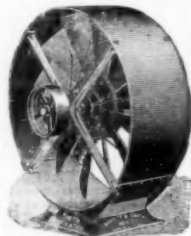
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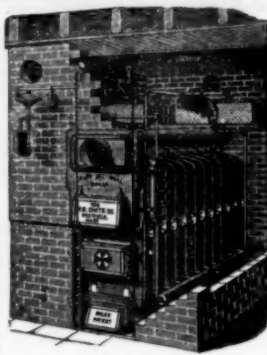
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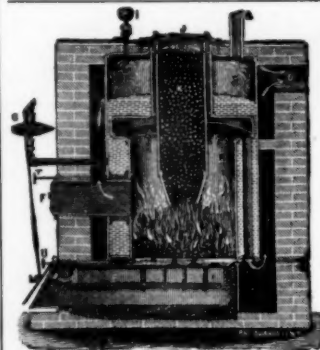
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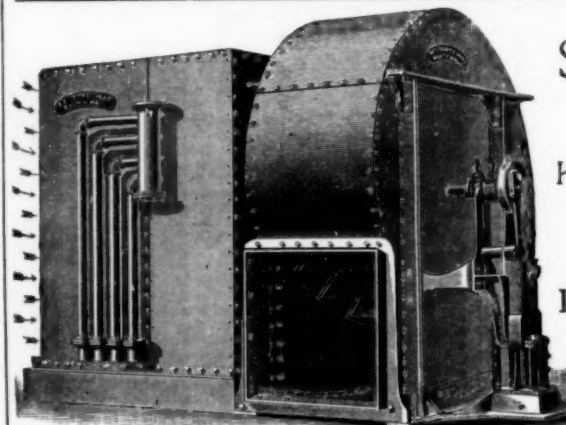
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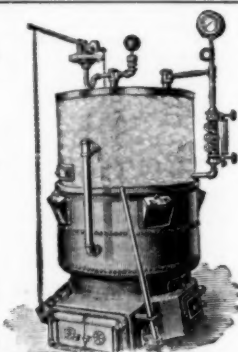
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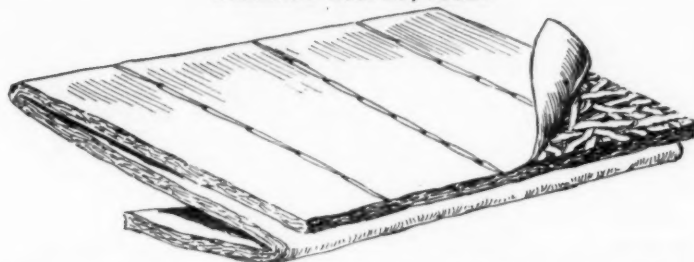
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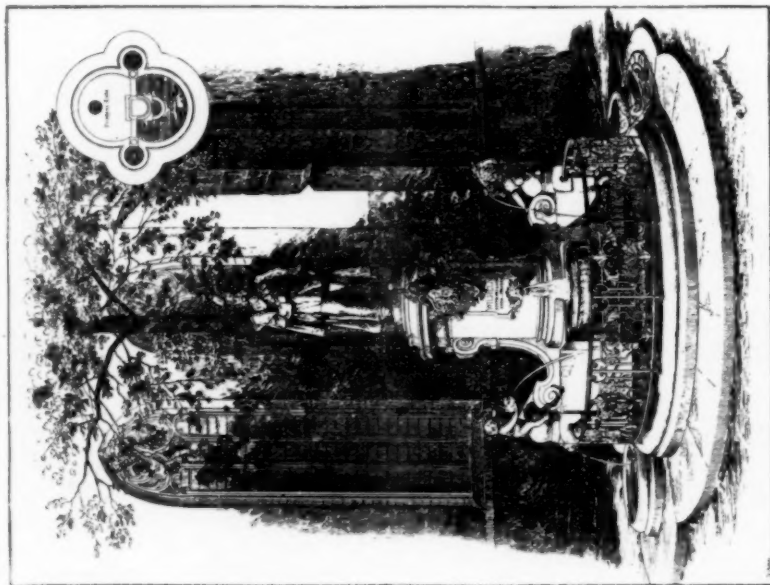
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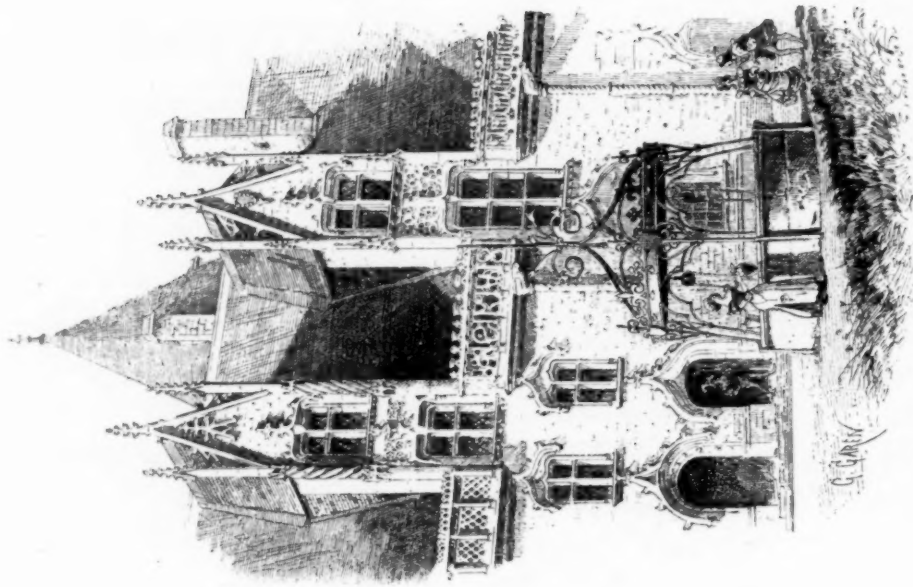
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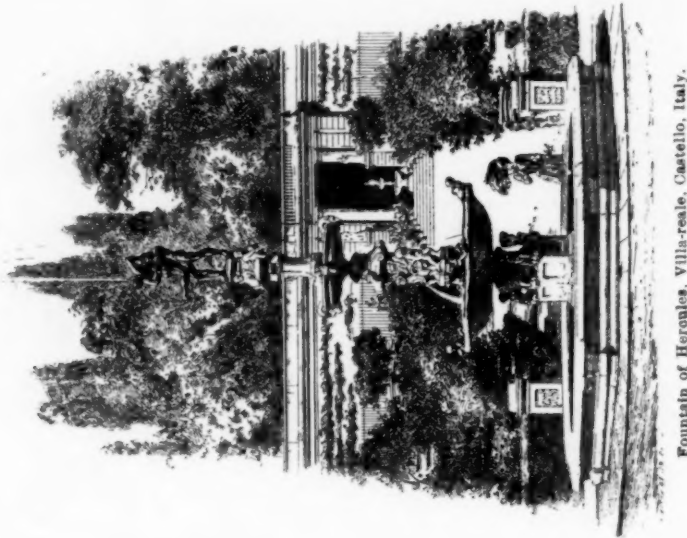




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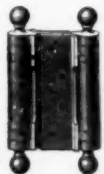
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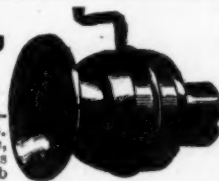
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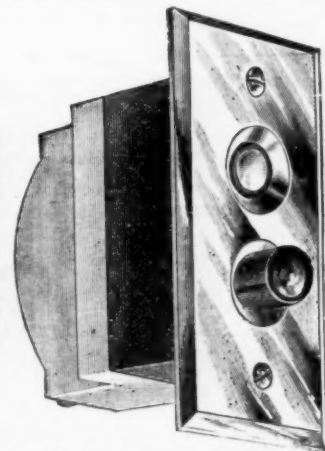
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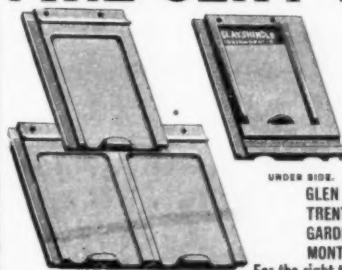
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tors. Page xviii.

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(Reported for The American Architect and Building News.)

[Although a large portion of the building intelligence  
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greatly desire to receive voluntary information, espe-  
cially from the smaller and outlying towns.]

## ALTERATIONS.

Chicago, Ill.—J. P. Ort, one-st'y addition, 450  
Twenty-sixth St.; cost, \$3,000.  
Consumers Pure Ice Co., one-st'y addition, 3547-  
3559 Butler St.; cost, \$14,000.  
C. Nacktreth, one-st'y addition, 4548 Fairfield  
Ave.; cost, \$5,000.  
Eye and Ear Infirmary, two-st'y addition, 125-127  
Peoria St.; cost, \$11,500.  
N. Sebastian, two-st'y addition to barn, 1774 North  
Halsted St.; cost, \$3,000.  
S. H. Swington, four-st'y addition, 822-824 West  
North Ave.; cost, \$5,000.  
W. E. Donley, two-st'y addition, 611-613 Austin  
Ave.; cost, \$4,000.  
G. E. Stanton, four-st'y addition, 330 East Ohio  
St.; cost, \$3,500.  
V. Humble, two-st'y addition, 699 West Van Buren  
St.; cost, \$3,600.  
N. M. Marsey, two-st'y addition, 1292 Sixty-first  
St.; cost, \$3,000.  
Hattisburg, Miss.—Planing mill will be rebuilt  
belonging to Kamper & Bro.  
Ocean Grove, N. J.—Extensive alterations to be  
made to the Ocean House; plans by Peter B. Marry-  
att, 1267 Broadway, New York.  
Philadelphia, Pa.—Seventeenth and H Sts., enlarge-  
ment of the Richmond Hotel; cost, \$300,000; owners,  
Pelz & Carlyle; architect, Riggs, Bank Building.

[Continued on page xiii.]

# Varnish in Architecture.

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One of the annoyances incident to rose growing is a minute worm that sometimes attacks the plants, boring its way into the very heart of the buds, and disfiguring them with an unsightly hole.

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(Alterations Continued.)

North Seventh St., Nos. 125-127, buildings are being so altered as to adapt them to manufacturing purposes and salesrooms; architect, W. H. Decker, Betz Building.

American St. and Susquehanna Ave., Northern Electric Company will enlarge its plant; architect, Wm. Biedlyn Powell, 423 Walnut St.

Twenty-ninth St. and Gray's Ferry Road, one-sty brick and stone addition will be made to the plant of the Gray's Ferry Foundry Co.

North Seventh St., Nos. 125-127, four-sty shoe factory, alterations to be made; owners, Freedman, Levi & Co.; contractor, Mr. Lam.

Diamond St., e Twenty-second St., tower will be added to the church; contractors, W. W. Rea & Son, 1815 Francis St.

Spruce St., No. 927, extensive alterations will be made to the dwell. of Dr. C. F. Bonsall; contractor, Wm. J. Murphy, 723 Walnut St.

Arch St., w Sixth St., alterations will be made to the Mansion House; contractors, Beck & Conley.

Spruce St., No. 1923, improvements to be made for Miss F. R. L. Welsh; architect, H. E. Ficker, 19 West Twenty-third St., New York.

Palmer St., n e cor. Frankford Road, two-sty addition for hospital purposes; contractor, Michael McShane, 236 North Fifteenth St.

St. Louis, Mo.—Addition to elevator, s s Clinton St., bet. Main and Second Sts.; cost, \$50,000; owners, Farmers Elevator Co.; contractor, C. Kellerman.

## APARTMENT-HOUSES.

Chicago, Ill.—John Dorcherty, three-sty flats, 617 Millard Ave.; cost, \$3,500.

Gus. Braun, two-sty flats, 318 Jane St.; cost, \$3,500.

A. N. Austin, three-sty flats, 204-208 Seminary Ave.; cost, \$10,000.

M. Mayer, three-sty flats, 218 Orchard St.; cost, \$6,500.

J. Schlager, three-sty flats, 600 Lincoln St.; cost, \$6,000.

E. Booung, two-sty flats, 940 St. Louis Ave.; cost, \$3,200.

John Doran, two-sty flats, 5517 Union Ave.; cost, \$4,000.

C. Cummings, four-sty flats, 11 Gurley St.; cost, \$11,500.

N. H. Brown, two-sty flats, 1343 Clifton Park Ave.; cost, \$3,300.

E. Richardson, two-sty flats, 1472 West Monroe St.; cost, \$4,000.

William J. Bryar, three-sty flats, 2949 South Park Ave.; cost, \$5,000.

Fred. Hardt, two-sty flats, 6753 Emerald Ave.; cost, \$3,200.

J. Lewandewski, three-sty flats, 1539 Oakdale Ave.; cost, \$5,000.

C. Lindgren, three-sty flats, 1298 Milton Ave.; cost, \$5,000.

Seneca & Ring, three-sty flats, 1633 Buckingham Pl.; cost, \$4,500.

Johns & Weeks, 2 three-sty flats, 122-124 Ninety-first St.; cost, \$7,000.

Annie Wager, three-sty flats, 929 Trumbull Ave.; cost, \$5,000.

Wolf, Saylor & Hiller, three-sty flats, 68 North Peoria St.; cost, \$6,000.

Vaclur Zrust, two-sty flats, 37 Utica St.; cost, \$4,500.

J. Gregory, two-sty flats, 1453 Newport Ave.; cost, \$3,000.

W. H. Sullivan, three-sty flats, 10 Maplewood Ave.; cost, \$5,000.

Iver Christiansen, three-sty flats, 895 North Leavitt St.; cost, \$5,000.

August Reiman, three-sty flats, 87 Orchard St.; cost, \$3,000.

Frank Johnson, 3 two-sty flats, 786-788 West Indiana Ave.; cost, \$7,000.

George Auld, two-sty flats, 2041 Jackson St.; cost, \$3,700.

H. F. Waite, 2 four-sty flats, 981-983 West Harrison St.; cost, \$15,000.

John Cunningham, two-sty flats, 1749 Fifty-fifth St.; cost, \$3,000.

Charles Beckman, three-sty flats, 5912 Calumet Ave.; cost, \$6,000.

D. McCarthy, three-sty flats, 1639 Jackson Boulevard; cost, \$7,000.

J. E. Smith, 2 two-sty flats, 81-83 Warren Ave.; cost, \$7,500.

Frank Burn, two-sty flats, 523 Evergreen Ave.; cost, \$3,500.

Mrs. A. Menus, two-sty flats, 603 Jane Ave.; cost, \$4,000.

Adolph Gohl, three-sty flats and barn, 1241 Wolfram St.; cost, \$6,500.

Peter Harms, 2 two-sty flats, 7353-7355 Evans Ave.; cost, \$5,000.

H. Ellinberger, 2 four-sty flats, 152-154 Sholto St.; cost, \$3,500.

M. Blayek, two-sty flats, 45 Cornelia St.; cost, \$3,500.

H. L. Wheatley, 4 two-sty flats, 73-75 and 21-23 Woodside St.; cost, \$10,000.

Andrew Schultzeis, two-sty flats, 638 Addison Ave.; cost, \$3,500.

Conrad Warnke, four-sty flats, 128 Forty-fifth St.; cost, \$7,000.

Emil Michalski, three-sty flats, 841 Fifty-ninth St.; cost, \$4,300.

Thomas O. Conner, two-sty flats, 7500 Cottage Grove Ave.; cost, \$5,000.

## BUILDING INTELLIGENCE.

(Apartment-Houses Continued.)

George Cassell, two-sty flats, 6730 Langley Ave.; cost, \$3,400.

John Monroe, three-sty flats, 5424 Indiana Ave.; cost, \$6,000.

M. J. Clark, four-sty flats, 4314 Langley Ave.; cost, \$8,000.

Joseph Dusek, three-sty flats, 404 Seventeenth St.; cost, \$4,300.

A. Olsen, three-sty flats, 336 Hoffman Ave.; cost, \$3,000.

N. J. Hall, two-sty flats, 939 Trumbull Ave.; cost, \$3,000.

H. Kabauer, 2 three-sty flats, 912 Clifton Ave.; cost, \$5,000.

Herman Seidt, three-sty flats, 297 Pine Ridge Ave.; cost, \$6,500.

A. Anderson, three-sty flats, 1642 Halsted St.; cost, \$3,500.

A. Burke, three-sty flats, 1437 Harvard St.; cost, \$5,000.

James Ambrose, three-sty flats, 905 Bonney Ave.; cost, \$3,500.

Joe Bidwell, two-sty flats, 232 Hamlin St.; cost, \$3,500.

Fred. Hopper, two-sty flats, 897 South Kedzie Ave.; cost, \$4,000.

Fred. Hopper, two-sty flats, 780 Sawyer Ave.; cost, \$4,000.

Herman Peter, three-sty flats, 941 Division St.; cost, \$8,000.

L. W. Coulton, three-sty flats, 55 North California Ave.; cost, \$3,500.

Thomas Jones, 2 two-sty flats, 803-805 Englewood Ave.; cost, \$8,000.

M. A. Hagmore, two-sty flats, 5416 Union Ave.; cost, \$3,000.

John Augsten, three-sty flats, 4632 Prairie Ave.; cost, \$6,000.

N. Kronenberger, two-sty flats, 2356 Ashland Ave.; cost, \$3,500.

Barney Faken, three-sty flats, 794 Shuber St.; cost, \$6,000.

E. L. Harvey, 3 four-sty flats, 347-351 West Chicago Ave.; cost, \$40,000.

F. Fredericks, three-sty flats, 132 Willow St.; cost, \$6,000.

Joseph Maly, three-sty flats, 590 West Seventeenth St.; cost, \$5,400.

Jerry Collins, three-sty flats, 999 Sixty-seventh St.; cost, \$3,500.

H. Moller, two-sty flats, 6824 Wright St.; cost, \$4,500.

D. F. Crilly, 6 four-sty flats, 629-641 North Park Ave.; cost, \$40,000.

P. B. Hayes, three-sty flats, 1359 Jackson Boulevard; cost, \$6,500.

E. S. Bush, two-sty flats, Chase Ave., cor Sheridan Drive; cost, \$6,000.

William Titley, three-sty flats, 71 Potomac Ave.; cost, \$6,000.

Morris Harmon, two-sty flats, 2010 Gladys Ave.; cost, \$3,000.

P. Ponsonby, two-sty flats, 601 Spaulding Ave.; cost, \$4,800.

John Walsh, three-sty flats, 1203 Wilcox Ave.; cost, \$4,000.

H. Stafford, three-sty flats, 1203 Seminary Ave.; cost, \$3,500.

New York, N. Y.—East One Hundred and Twenty-sixth St., No. 149, five-sty brick flats, tin roof; cost, \$18,000; owner, Alexander A. Jordan, 17 East Eighty-ninth St.; architects, Neville & Bagge, 217 West One Hundred and Twenty-fifth St.

Fifth Ave., n e cor. One Hundred and Fifteenth St., 2 five-sty brick flats, tin roofs; cost, \$65,000; owner, Thomas McManus, 709 Lexington Ave.; architect, John C. Burne, 101 West Forty-second St.

One Hundred and Thirteenth St., n s, 325 e Fifth Ave., five-sty brick flats, tin roofs; cost, \$28,000; owner, D. H. Bullman, 10 East Seventy-second St.; architect, H. Hasenstein, 111 Broadway.

St. Louis, Mo.—Two-and-one-half-sty flats, s s Bell St., bet. Newstead and Taylor Aves.; cost, \$5,500; owner, Mrs. A. K. Marks; contractors, F. H. Gray & Bro.

## CHURCHES.

Boston, Mass.—Paul Gore St., rear, near Chestnut Ave., Ward 23, frame chapel, 38' x 48'; owners, Trustees St. Peter's Church; builder, W. C. Johnson.

Paul Gore St., near Chestnut Ave., Ward 23, one-sty stone church, pitch roof, 33' x 53'; owners, Trustees St. Peter's Church; builders, Flynn & Boland.

Frankford, Pa.—Montgomery Ave., near Frankford Ave., one-sty stone chapel, slate roof; architect, Benj. D. Price, Lansdown, Pa.; estimates being made at office of Wm. Steele & Son, 506 Walnut St.

Jenkintown, Pa.—The capacity of the Roman Catholic Church to be increased to the extent of \$60,000.

New Orleans, La.—The English Lutherans will build a church to cost \$14,000; architect, H. Huiskamp.

Oxford, Pa.—By the first of the year the United Presbyterians hope to have their church completed; Rev. Hutchinson, pastor.

Philadelphia, Pa.—Crown St., above Race St., the Beth Israel congregation will build a new synagogue; over \$500 have been raised for the purpose.

Ridgely, Md.—Church; cost, \$500; owners, congregation of the M. E. Church.



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## BUILDING INTELLIGENCE.

### FACTORIES.

Boston, Mass.—Federal St., Nos. 262-264, rear,  
Ward 12, four-sty brick factory, flat roof, 46' x 209';  
owner, T. B. Wales, et al.

Chicago, Ill.—M. E. Massman, two-sty factory,  
Mozart St. and Bloomingdale Road; cost, \$4,300.  
Morgan & Wright, one-sty factory, 82 North May  
St.; cost, \$15,000.

### HOTELS.

New Orleans, La.—The Grunwald Hotel to cost  
about \$300,000 is to be built.

St. Louis, Mo.—Three-sty hotel, n s Chestnut St.,  
bet. Eighteenth and Nineteenth Sts; cost, \$7,000;  
owner, C. Herboth; contractor, H. F. Beinke.

### HOUSES.

Atlantic Highlands, N. J.—Two two-and-one-half-  
sty stone and frame dwellings; architect, M. M.  
Cutler, 203 Broadway, New York.

Baltimore, Md.—Guilford Ave., several three-sty  
dwellings; Mt. Royal Ave., several three-sty dwellings;  
owner, T. W. Trimble.  
Huntingdon Ave., dwellings; owner, A. D. Clemens,  
Jr.

Barclay St., 8 two-sty brick dwellings; contractor,  
Wm. F. Flagg.  
Madison Ave., 2 three-sty brick dwellings; owner,  
W. Hampson.

Two two-sty brick dwellings; owner, F. H. Baillie;  
also 2 two-sty brick dwellings; owner, Chas. F. Nitsch.  
P. Reddington, 6 three-sty brick buildings, n s  
North Ave., bet. Aisquith and Ennor Sts.  
Nelson C. Showacre, 4 three-sty brick buildings,  
s s Lennox St., bet. Robert Ave. and Callow St.  
Mason B. Stone, 11 two-sty brick buildings, w s  
Buehanan St., s Huntingdon Ave.

S. D. Hutt, 21 two-sty brick buildings, n s Balti-  
more St., bet. Gwynn's Falls and Catharine St.  
Conrad Graf, 6 two-sty brick buildings, s s Town-  
send St., w Register St.

W. W. Dashiield, 5 two-sty brick buildings, s s  
Grindall St., bet. Riverside Ave. and Covington St.  
Ed. J. Gallagher, 7 two-sty brick buildings, w s  
Rose St., bet. Baltimore St. and Fairmount Ave.  
Sisters of Bon Secour, three-sty brick building,  
n w cor. Baltimore and Payson Sts.

Blomfield, N. J.—Two-and-one-half-sty dwell-  
ings; owner, Isaac Wilkes; architect, Chas. G. Jones, 280  
Broadway, New York.

Boston, Mass.—Lauriat Ave., near Lyons St., Ward  
24, frame dwell., 22.6' x 35'; owners and builders,  
Lanning & McIlroy.

Waldorf St., near Ashmont St., Ward 25, frame  
dwell., 28' x 35'; owner, R. F. Burt; builder, E. N.  
Burt.

Waverly St., near Western Ave., Ward 25, three-  
sty frame dwell., hip roof, 28' x 35'; owner, James  
Nolan; builder, James Muldoon.

Glen Road, near Harvard St., Ward 24, frame  
dwell., 28' x 40'; owners, Congregational Society;  
builder, J. A. Paine.

Jerome Pl., near Jerome St. and near Hancock  
St., Ward 24, 3 three-sty frame dwellings, pitch roofs,  
24' x 30'; owner, M. Kaiser; builder, J. W. Kelland.

West Selden St., near Morton St., Ward 24, 2  
frame dwellings, pitch roofs, one three-sty, 23' x 33'  
and 22' x 27'; owners, W. H. Gould and H. McHugo;  
builders, J. A. Tucker & Son and H. McHugo.

Roslin St., cor. Montague St., Ward 24, frame  
dwell., hip roof, 28' x 40'; owners, Fish & Woodman;  
builders, H. F. Oakman & Sons.

Edson St., near Milton Ave., Ward 24, frame  
dwell., 28' x 48'; owner, E. E. Decker; builders,  
Decker Bros.

Bicknell St., near Harvard St., Ward 24, frame

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## BUILDING INTELLIGENCE.

### (Houses Continued.)

dwell., 27' x 59'; owner, Mrs. E. M. Allen; builder,  
E. B. Morxon.

Kilton St., near Wheatland Ave., Ward 24, frame  
dwell., 23' x 31'; owner and builder, G. L. Davidson.

Hastings St., near Coal St., Ward 23, three-sty  
frame dwell., 27.6' x 45.6'; owner, Mrs. A. G. G.  
Brown; builder, George A. Shear.

Adams St., near Ellett St., Ward 24, three-sty  
frame dwell., flat roof, 27' x 62'; owner, Mrs. M.  
O'Donnell; builder, David Campbell.

Spring Park Ave., near Chestnut Ave., Ward 23,  
three-sty frame dwell., pitch roof, 30' x 45'; owner,  
Charles DeHitt; builder, D. McDonald.

Maxwell St., near Capen St., Ward 24, 21' x 32';  
owner and builder, W. W. Donnelly.

Peter Parley Road, near Forest Hills St., Ward  
23, three-sty frame dwell., pitch roof, 25' x 48';  
owner, C. W. McGuire; builder, W. Tobin.

Ashland St., near Brown Ave., Ward 23, frame  
dwell., 28' x 42'; owner, J. T. O'Connor; builder, J.  
F. Sullivan.

Evans St., near Nelson St., Ward 24, frame dwell.,  
hip roof, 27.10' x 36.4'; owner, Trustee Stanton Ave.  
Methodist Church; builders, H. P. Oakman's Sons.

Edwin St., near Denver St., Ward 24, frame  
dwell., 32' x 39'; owner and builder, C. S. Cornwall.

Coleridge St., near Wordsworth St., Ward 1, two-  
sty frame dwell., flat roof, 20' x 32'; owner, Mrs. A.  
DeWolf; builder, C. DeWolf.

Lamarine St., rear, No. 103, Ward 23, three-sty  
frame dwell., flat roof, 20' x 38'; owner, Daniel  
Donovan; builders, M. D. Mealey & Co.

Brooklyn, N. Y.—Bleeker St., n s, 265' e Hamburg  
Ave., three-sty frame dwell., tin roof; cost, \$5,000;  
owner, Wm. Berlinger, 209 Bleeker St.; architect,  
H. E. Funk, 200 Knickerbocker Ave.

Dresden St., n s, 225' e Arlington Ave., three-sty  
frame dwell., tin roof; cost, \$4,000; owner and  
builder, John O'Hara, 234 Sumpter St.

Herkimer St., s s, 60' e Sherlock Pl., 4 two-sty  
frame dwellings, tin roofs; cost, \$1,500 each; owners,  
architects and builders, Lidgood & Devos, 176 Fifth  
Ave. and 955 Pacific St.

Camden, N. J.—Two-sty brick dwell.; contractor,  
Jos. Slandin.

Chicago, Ill.—W. H. German, 2 two-sty dwellings,  
3367-3369 Burnside Ave.; cost, \$3,500.

T. E. Lynch, two-sty dwellings, Michigan Ave. and  
One Hundred and Sixth Pl.; cost, \$3,000.

Harry Marx, two-sty dwell., 7336 Bond Ave.; cost,  
\$3,000.

Andrew Hoyt, three-sty dwell., 2723 Prairie Ave.;  
cost, \$6,000.

G. L. Cochran, 2 two-sty dwellings, 1190-1210 Win-  
throp Ave.; cost, \$6,000.

G. L. Cochran, two-sty dwell., 1214 Kenmore  
Ave.; cost, \$3,000.

H. Bjarnstrom, two-sty dwell., 1143 Norwood  
Ave.; cost, \$3,000.

H. Schwind, two-sty dwell., 1341 Palmer St.; cost,  
\$3,500.

C. M. Farrel, two-sty dwell., 7500-7502 Peoria St.;  
cost, \$6,000.

D. N. Hansen, two-sty dwell., 4739-4741 Ellis Ave.;  
cost, \$15,000.

## BUILDING INTELLIGENCE.

### (Houses Continued.)

N. J. Bennett, two-sty dwell., 1142 Lawndale  
Ave.; cost, \$3,000.

W. L. Smith, three-sty dwell. and barn, 5234  
Michigan Ave.; cost, \$12,000.

J. D. Long, two-sty dwell., 6750 Wabash Ave.;  
cost, \$3,000.

Collingswood, N. J.—Double cottage; owner, F. R.  
Byam.

Elborn, N. J.—Brick and terra-cotta cottage; cost,  
\$30,000; owner, T. T. Kinney; architect, Van Camp-  
son Taylor, Lincoln Building, New York City.

Media, Pa.—On the site now used as the Media Base-  
ball Park, 25 brick dwellings.

Melrose, Pa.—Four brick, stone and frame dwellings;  
owners, L. J. Dutton, D. Ball, Geo. W. Read and  
T. M. Roberts; architects, Yarnall & Goforth, 14  
South Broad St., Philadelphia.

Merchantville, Pa.—Three dwellings; owner, Samuel  
Rudderson.

New York, N. Y.—Bathgate Ave., e s, 26' and 49' n  
One Hundred and Seventy-sixth St., three-sty stone  
and frame dwell., shingle roof; cost, \$3,000; owner,  
Wm. J. Mulligan, 777 Tremont Ave.; architect, T.  
J. Blair, 1602 Clinton Ave.

Eighty-ninth St., n s, 290' w West End Ave., 6 five-  
sty brick dwellings, tin roofs; cost, \$104,000; owners,  
City Real Estate Co., 146 Bowery; architect, Chas.  
P. H. Gilbert, 15 Broadway.

One Hundred and Eighty-sixth St., n s, 150' w Wash-  
ington Ave., 3 three-sty brick and frame dwellings,  
tin roofs; cost, \$3,500; owner, Franck Lockwood,  
2050 Bathgate Ave.; architect, J. J. Vreeland, 711  
Tremont Ave.

One Hundred and Sixty-first St., s s, 20' e Melrose  
Ave., three-sty brick and frame dwell., tin roof;  
cost, \$5,000; owners, Peter and Friederika Rohleder,  
655 East One Hundred and Sixty-first St.; architect,  
Gustav Schwarz, 554 East One Hundred and Fifty-  
eighth St.

College Ave., s s, 129' e Hoffman St., three-sty  
brick and frame dwell., tin roof; cost, \$3,000; owner,  
Chas. D. Galvin, Pelham Ave. w Arthur Ave.

Stebbins Ave., e s, 400' n Freeman St., three-sty  
stone and frame dwell., tin roofs; cost, \$3,000;  
owner, Conrad Mueller, 532 East Eighty-third St.;  
architect, Henry Piering, 693 East One Hundred and  
Forty-fifth St.

Overbrook, Pa.—Sixty-third St., and Lancaster  
Ave., 4 dwellings; architects, Yarnall & Goforth.

A stone dwell. to cost \$15,000 will be built on Up-  
land Way; owner, D. N. McQuillon, 1628 Chestnut  
St.

Philadelphia, Pa.—Eighteenth and Walnut Sts.,  
dwell.; owner, A. J. Drexel, Jr.; Eighteenth and  
Locust Sts., dwell.; owner, Geo. W. Childs Drexel.

Stuart, Tenth and Wolf Sts., e Tenth St., 28 two-  
sty brick and stone dwellings; contractors, Hillough  
Bros.

Passyunk Ave., No. 923, three-sty dwell.; owner,  
Jos. Freedman, 430 South Seventh St.

Clymer St., w Sixth St., 2 three-sty dwellings; con-  
tractor, L. J. Huret, 821 South Tenth St.

North Seventeenth St., No. 340, three-sty dwell.



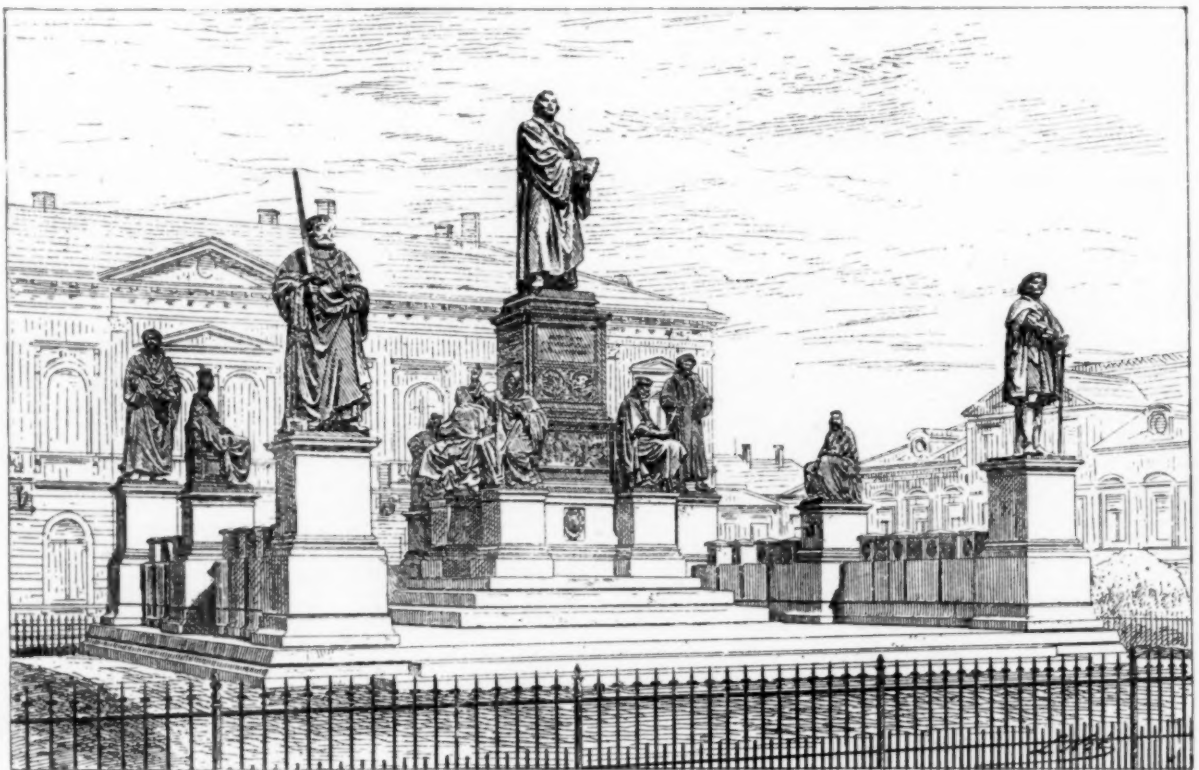




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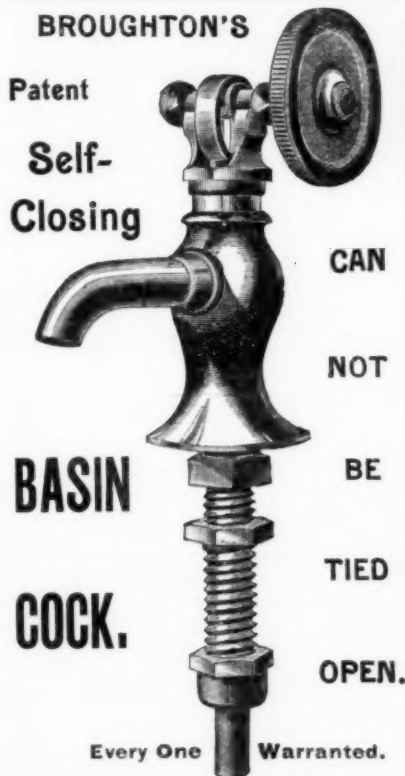
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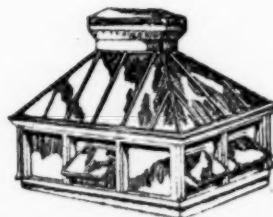
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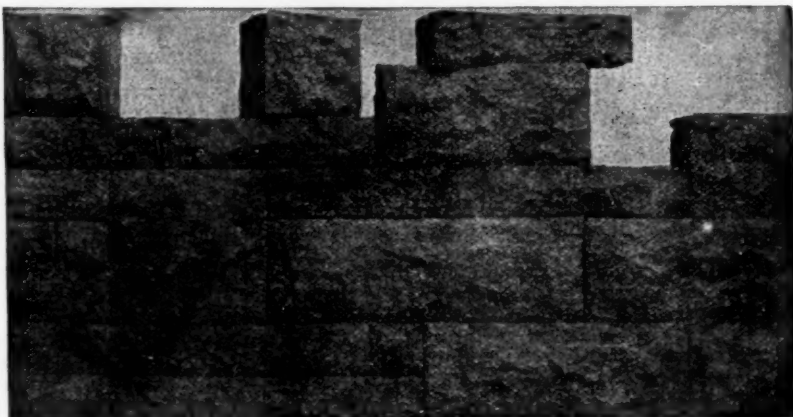
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[See Alphabetical Index on page XV for Pagination.]

## Classified Advertisements.

[Advertisers can be indexed only under a single head free of charge].

**Air Valves.**  
Hodge Bros., Boston, Mass.  
**Antisepsis.**  
W. H. Schieffelin & Co., New York, N. Y. (sow)  
**Annunciators.**  
W. R. Ostrander & Co., New York.  
**Architects.**  
Bailey & Truitt, Philadelphia, Pa. (mon)  
**Architect's Materials.**  
Frost & Adams, Boston.  
**Architectural Sheet-Metal Ornamental Works.** W. H. Mullins, Salem, O.  
**Artificial Stone.**  
Wenn Pavement Co., New York, N. Y. (sow)  
**Asbestos Felt & Roller Coverings.**  
H. W. Johns Mfg Co., New York.  
**Asbestos Felt.**  
H. F. Watson Co., Erie, Pa.  
**Asbestos Paint.**  
H. W. Johns Mfg Co., New York.  
**Asphalt.**  
Neuchatel Asphalt Co., New York.  
New York Mastic Works, New York, N. Y.  
**Asphalt Roofing.**  
Warren Chemical & Mfg Co., New York.  
**Basin Cocks.**  
Stebbins Mfg. Co., Brighton, Mass. (sow)  
**Bath-Tub.**  
Fred. F. Bischoff & Co., Chicago, Ill. (mon)  
Miller & Coates, New York.  
J. L. Mott Iron Works, New York.  
**Bells.** Blake Bell Co., Boston, Mass.  
U. S. Tubular Bell Co.  
**Blue Prints.**  
Spaulding & Moss, Boston, Mass. (sow)  
**Boilers.**  
Sabcock & Wilcox Co., New York.  
Randolph & Glover, Watertown, Conn.  
**Books and Journals.**  
Sabcock & Wilcox Co., New York.  
Century Co., New York, N. Y.

**Books and Journals. (Continued.)**  
Wm. T. Comstock, New York.  
Hessing & Spielmeier, New York, N. Y.  
Sexton & Co., Boston.  
**Brass Goods.**  
I. B. Shannon & Sons, Philadelphia. (mon)  
**Brick Ashlar.**  
Fiske, Homes & Co., Boston.  
**Brick (Colored).**  
Jarden Brick Co., Philadelphia, Pa.  
**Brick (Ornamental).**  
Fleming Cement & Brick Co., New York. (sow)  
W. H. Gates, Boston, Mass.  
Hydraulic Press Brick Co., St. Louis.  
Peerless Brick Co., Philadelphia, Pa.  
Walke Bros., Boston.  
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Johnson & Wilson, New York.  
Lawrence Cement Co., New York, N. Y.  
E. Thiele, New York, N. Y.  
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Chrome Steel Works, Brooklyn, N. Y. (sow)  
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Clay Shingle Co., Indianapolis, Ind.

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Lord & Burnham Co., Irvington-on-Hudson,  
N. Y.  
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**Door-Knobs.**  
J. Bardley, New York, N. Y.  
**Drawing Ink.**  
Chas. N. Higgins, Brooklyn, N. Y.  
**Drawing Instruments.**  
Theo. Altmeyer & Sons, Philadelphia, Pa. (sow)  
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Cutter Electrical & Mfg Co., Philadelphia, Pa.  
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Graves Elevator Co., Rochester, N. Y.  
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Moore & Wiman, Boston.  
More, Williams & Co., Philadelphia.  
Otis Brothers & Co., New York.  
Springfield Foundry Co., Springfield, Mass.

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Tirrell Gas-Machine Co., New York.  
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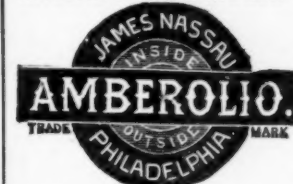
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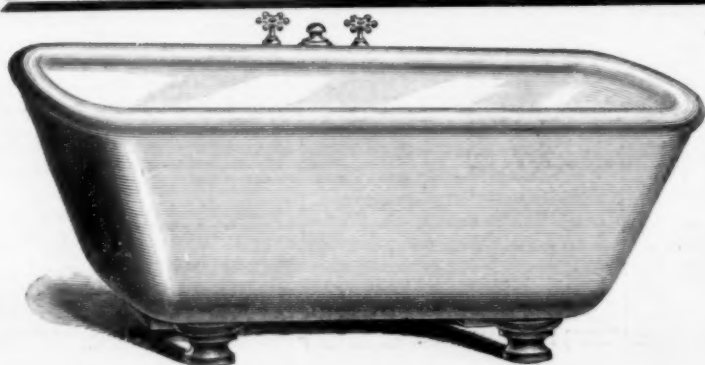
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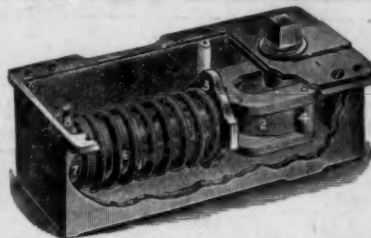
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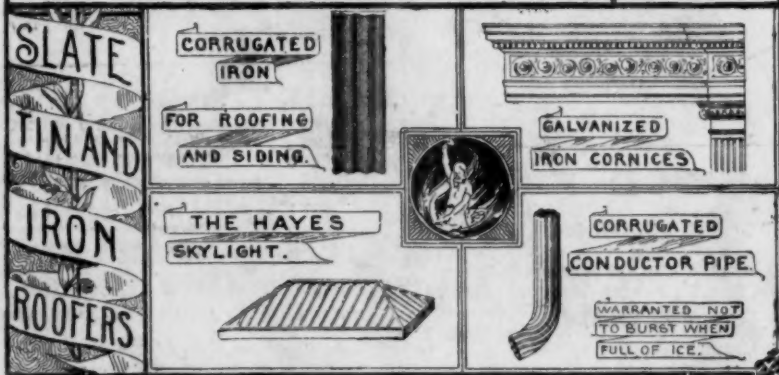
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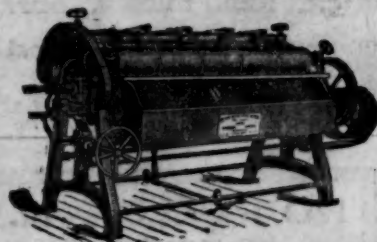


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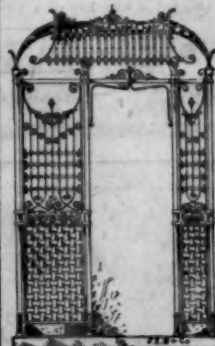
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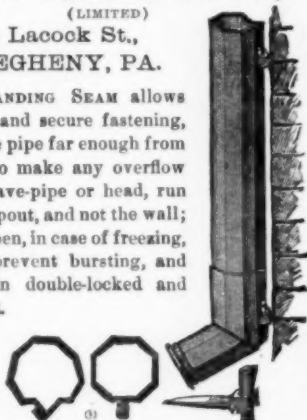
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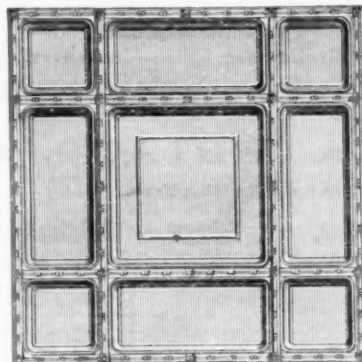
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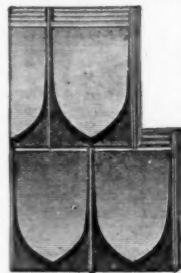


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| Mahogany, Baywood [Mexican].....       | @ 350 00        | 160 00 @ 170 00      | 110 00 @ 170 00  | 150 00 @ 250 00                       |  |
| " St. Domingo.....                     | 45 00 @ 50 00   | 120 00 @ 350 00      | 200 00 @ 250 00  | 200 00 @ 400 00                       |  |
| Maple.....                             | @ 70 00         | 45 00 @ 50 00        | 12 00 @ 20 00    | 25 00 @ 55 00                         |  |
| Oak, red.....                          | @ 70 00         | @ 50 00              | 17 00 @ 27 00    | 42 50 @ 55 00                         |  |
| " white.....                           | @ 70 00         | 50 00 @ 55 00        | 16 00 @ 28 00    | 45 00 @ 55 00                         |  |
| " quartered.....                       | @ 90 00         | 65 00 @ 75 00        | 34 00 @ 40 00    | 60 00 @ 75 00                         |  |
| Sycamore quartered.....                |                 | 50 00 @ 65 00        | 25 00 @ 28 00    | 67 50 @ 65 00                         |  |
| Pine, clear.....                       | 65 00 @ 70 00   | 50 00 @ 75 00        | 33 00 @ 50 00    | @ 65 00                               |  |
| Redwood.....                           | 60 00 @ 70 00   | 60 00 @ 70 00        | 40 00 @ 45 00    | 60 00 @ 75 00                         |  |
| Rosewood.....P. ft.....                | @ 6             |                      | per M. 000 00    |                                       |  |
| Spruce floors (clear, kiln-dried)..... |                 | 32 00 @ 35 00        |                  |                                       |  |
| Walnut, black.....                     | 125 00 @ 150 00 | 85 00 @ 120 00       | 40 00 @ 75 00    | 50 00 @ 170 00                        |  |
| Whitewood.....                         | 45 00 @ 50 00   | 40 00 @ 45 00        | 14 00 @ 30 00    | 25 00 @ 40 00                         |  |
| Yellow pine.....P. M.....              | @ 45 00         | 40 00 @ 42 00        | 31 00 @ 34 00    | @ 45 00                               |  |



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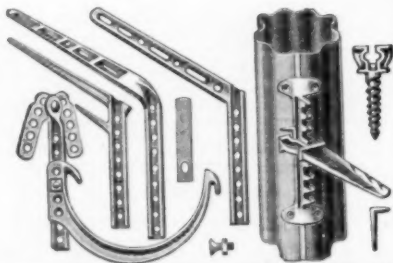
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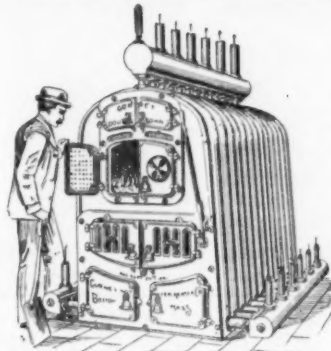
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| Haverstraw Bay 2d.....                | 4 25 @ 4 50     |                  |                 | Light Stretchers @ 10 00  |
| 1st.....                              | 5 00 @ 5 25     |                  |                 | Medium " @ 12 00          |
| Hollow.....                           | @ 13 00         |                  |                 | Red " @ 13 00             |
| Fronts:                               |                 |                  |                 | Dark " @ 13 00            |
| Croton, Brown.....                    | 9 00 @ 12 00    |                  |                 | Pressed " @ 13 00         |
| " dark.....                           | 10 00 @ 13 00   |                  |                 | 18 00 @ 20 00             |
| " red.....                            | 10 00 @ 13 00   |                  |                 | Best Paving @ 14 00       |
| Chicago pressed (Anderson).....       |                 |                  |                 | Second " @ 13 00          |
| " Moulded.....                        |                 |                  |                 | Third " @ 12 00           |
| Baltimore.....                        | 37 00 @ 41 00   |                  |                 | Dom. { @ 65               |
| Philadelphia.....                     | 23 00 @ 24 00   |                  |                 | @ 85                      |
| Trenton.....                          | @ 19 00         |                  |                 |                           |
| Milwaukee.....                        |                 |                  |                 |                           |
| Moulded:                              |                 |                  |                 |                           |
| Glens Falls Red Pressed.....          | @ 37 00         |                  |                 |                           |
| " " Buff.....                         | @ 30 00         |                  |                 |                           |
| " " Moulded Red & Buff.....           | 45 00 @ 70 00   |                  |                 |                           |
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| Enamelled (edge).....                 | 85 00 @ 100 00  |                  |                 |                           |
| Enamelled (edge and end).....         | 90 00 @ 115 00  |                  |                 |                           |
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| " (K. B. & S.).....                   | 2 50 @ 3 00     | 2 40 @ 2 75      | 3 00 @ 3 25     | 2 75 @ 3 00               |
| " Black Cross.....                    | 2 25 @ 2 50     | 2 40 @ 2 75      | 3 00 @ 3 25     | 2 85 @ 3 15               |
| " (Burnham).....                      | 2 50 @ 2 50     | 2 40 @ 2 75      | 2 90 @ 3 15     | 2 75 @ 2 85               |
| " (White's).....                      | 2 65 @ 3 00     | 2 40 @ 2 75      | 3 00 @ 3 25     |                           |
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| " (Dyckerhoff).....                   | 2 50 @ 3 00     |                  |                 |                           |
| " (Hanover).....                      | 2 35 @ 2 85     |                  |                 |                           |
| " Stettin (Anchor).....               | 2 15 @ 2 25     |                  |                 |                           |
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| Keene's coarse.....                   | 5 00 @ 5 50     |                  |                 |                           |
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| Hydraulic Lime.....                   | @ 1 45          | @ 1 35           | Not sold.       | White Lime P bush 25 @ 30 |
| Chicago Lime in bulk.....             | { St. John 1 00 |                  | 60 @ 70         | { White Mash 1 25 @ 1 50  |
| Wisconsin Lime.....                   | 85 @ 87 1/2     |                  | 60 @            | 1 00 @ 1 00               |
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| Hair (Cattle) P bush.....             | 18 @ 21         | 25 @ 30          | 16 @ 20         | 20 @ 35                   |
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| " zinc.....                                | 5 @ 8              | @ 8                                  | 5 @ 10 1/2        | @ 7               |
| Red lead, Am.....                          | 6 1/2 @ 7          | 6 1/2 @ 7                            | 6 1/2 @ 7         | @ 7 1/2           |
| " Venetian.....                            | 6 @ 10 1/2         | 7 @ 12                               | 1 @ 2             | @ 7               |
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| " Indian, Eng.....                         | 12 @ 20            | 12 @ 20                              | 12 @ 20           | 6 1/2 @ 7         |
| Yellow Ochre.....                          | 6 @ 15             | 7 @ 12                               | 3 @ 15            | dry Am. @ 14      |
| " Chrome.....                              | 12 @ 20            | 18 @ 25                              | 15 @ 25           | @ 18              |
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| Blue, ultramarine.....                     | 12 @ 18            | 18 @ 30                              | 57 @ 60           | 10 @ 24           |
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| Solder:                                    |                    |                                      | 5 1/2 @ 6         | 13 1/2 @ 6 1/2    |
| Sheet Lead.....                            | @                  | @ 7 1/2                              |                   | 6 @ 6             |
| Lead Pipe.....                             | @                  | @ 6 1/2                              |                   |                   |
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| I-Beams, up to and including 30 ft.....    | 3.3-10 @ 3 1/2     | @ 3.4-10                             | 2.50 @ 2.75       | @ 2.8-10          |
| do. over 30 ft., 1 c. adv. for every 5 ft. |                    |                                      | 50 @ 2.75         | @ 2.8-10          |
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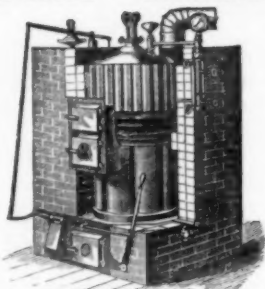
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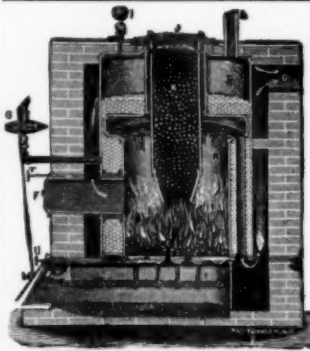
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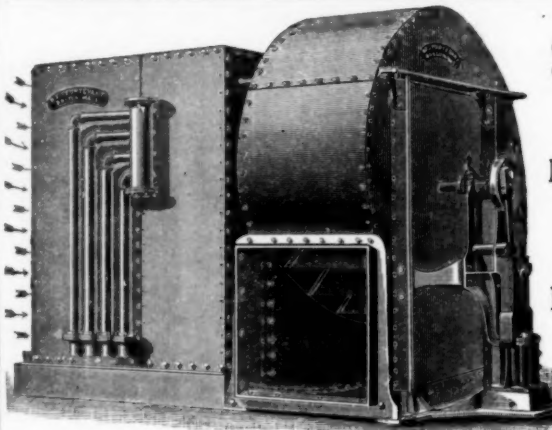
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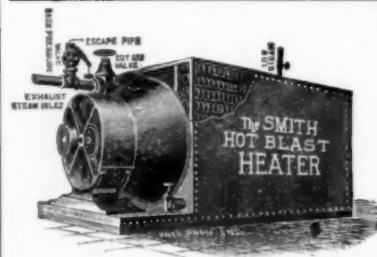
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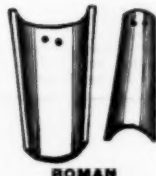
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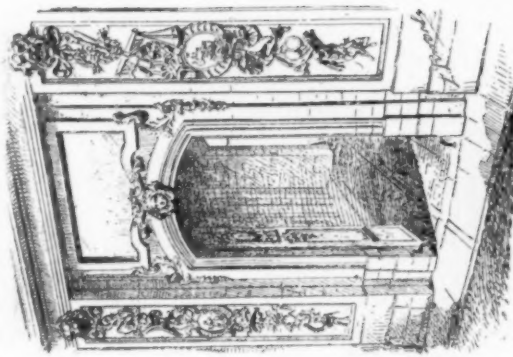
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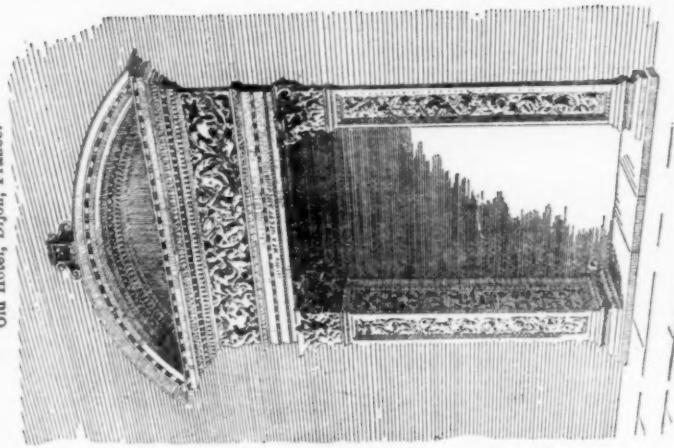
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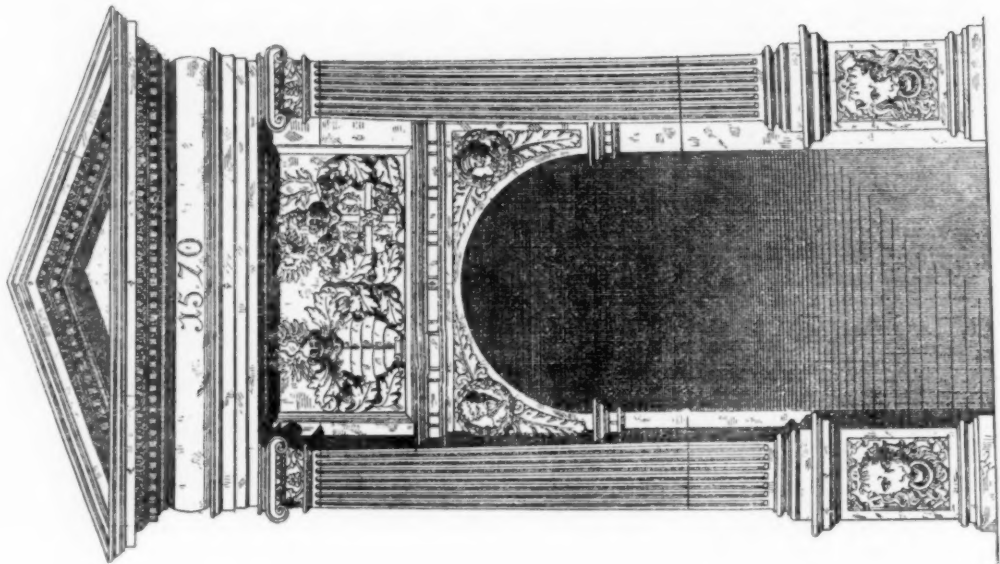




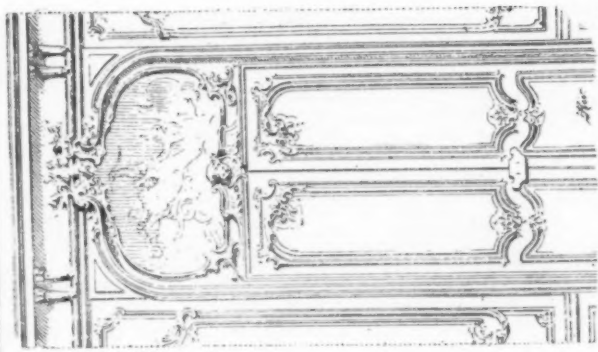
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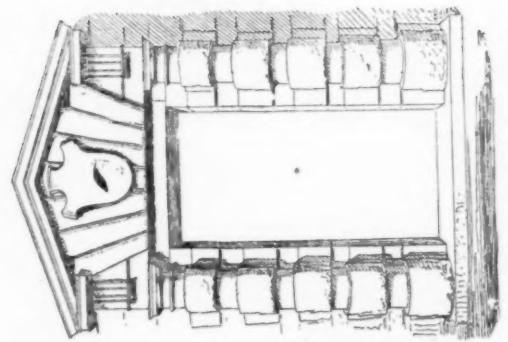
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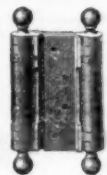
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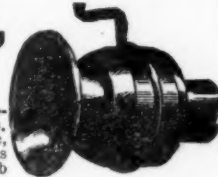
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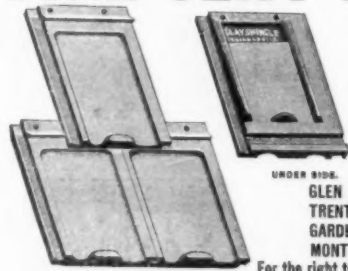
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## BUILDING INTELLIGENCE.

(Reported for The American Architect and Building News.)

[Although a large portion of the building intelligence is provided by their regular correspondents, the editors greatly desire to receive voluntary information, especially from the smaller and outlying towns.]

## ALTERATIONS.

Jenkintown, Pa.—The Beechwood Iron property is to be remodelled and enlarged by a syndicate of

[Continued on page xiii.]

## Varnish in Architecture.

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### BUILDING INTELLIGENCE.

(Alterations Continued.)

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**Norristown, Pa.**—Two-st'y brick addition to the borough hall. For information inquire of Geo. W. Pifer, 129 West Airy St.

**Philadelphia, Pa.**—Fairmount Ave., n e cor. Thirty-ninth St. property will be remodelled and improved for hotel and saloon purposes; owner, Frank Schoener, cor. Atlanta and Thirty-ninth St.

**Susquehanna and Park Aves.**, two-st'y stone and brick addition to school-house; cost, \$15,000; contractor, Thomas McCarty, 1935 North Seventh St.

**Pottsville, Pa.**—Extensive improvements will be made to the store of R. C. Green & Son.

### APARTMENT-HOUSES.

**New York, N. Y.**—Ninety-third St., 150' e Second Ave., 6 five-st'y brick flats, tin roofs; cost, \$102,000; owner, John McLaughlin, 346 East Eighty-first St.; architect, John Hauser, 1441 Third Ave.

**West Twenty-first St., No. 334**, five-st'y brick flats, tin roof; cost, \$20,000; owner, Richard Riker, 25 East Sixty-second St.; architect, James W. Cole, 403 West Fifty-first St.

**Philadelphia, Pa.**—Hutchinson St., above Girard Ave., three-st'y brick apartment-house; contractor, Oscar Streetmatter.

**St. Louis, Mo.**—Two-st'y brick flats, n s Miami St., bet. Grand and Arkansas Aves.; cost, \$3,000; owner and contractor, Hy. Bopp.

**Two-st'y flats**, e s Kossuth St., bet. Glasgow and Grove Sts.; cost, \$5,200; owner, W. Tounge; contractor, Ph. Tiemann.

### CHURCHES.

**Arlington, N. J.**—Plans are out for a church and parish-house; architect, Geo. Palliser, 487 Fifth Ave., New York City.

**Beaver Falls, Pa.**—First U. P. Congregation will build a church; cost, \$15,000; architect, J. E. Allison, Penn Building, Pittsburgh, Pa.

**Bowie, Md.**—The corner-stone of the new Catholic church was laid last week; cost, \$7,000; Rev. M. A. Noel, White Marsh, pastor.

**Emaworth, Pa.**—Frame church and Sunday-school for the First U. P. Congregation; cost, \$6,000; architect, J. E. Allison.

### FACTORIES.

**New York, N. Y.**—Thirty-ninth St., n s, 200' e Eleventh Ave., seven-st'y brick factory, tin roof; cost, \$30,000; owner, Christian A. Jacob, 411 East Eighth St.; architect, Benj. Finkensleper, 93 Broadway, Brooklyn.

**Philadelphia, Pa.**—Harrison and Hope Sts., five-st'y factory; contractor, F. B. Franks, 2215 Emerald St.

**Ludlow St.**, w Thirty-first St., four-st'y factory; contractors, W. W. Rea & Son, 1815 Francis St.

**Royersford, Pa.**—Three-st'y brick factory; owner, G. D. Gehn, Birdsboro.

**Worcester, Mass.**—Hermion St., three-st'y brick and stone factory; owners, J. E. & A. E. Estabrook; contractor, A. E. Bigelow.

### HOUSES.

**Ambler, Pa.**—Dwell.; owner, E. C. Kent, Philadelphia.

**Baltimore, Md.**—Two-st'y brick dwell.; contractor, J. B. Hen; two-st'y brick dwell.; contractor, H. A. Born.

**Two two-st'y frame cottages**; owner, Lewis Ehlers.

**Three-st'y brick dwell.**; contractor, Peter Schmidt.

**Five two-st'y frame dwell.**; contractor, G. Bunnecke.

**Two-st'y brick dwell.**; contractor, Wm. J. Clendinen.

**Three-st'y frame dwell.**; owner, J. N. Gildenpenny.

**Boston, Mass.**—Falcon St., No. 7, Ward 1, frame dwell., 23' x 50'; owner, Ada F. Pierce; builder, L. A. Pierce.

**Maverick St.**, cor. Frankfort St., Ward 2, 2 three-st'y frame dwell. and stores, flat roofs, 22'6" x 52'; owner, Frank Domace; builder, D. D. Fish.

**New Heath St.**, near Day St., Ward 22, 2 three-st'y frame dwell., flat roofs, 22' x 39'; owner, John Martin; builder, J. Luippold.

**Belgrave Ave.**, near Dudley Ave., Ward 23, frame dwell., 22' x 48'; owner, Hattie P. Lwelly; builder, W. A. McLeod.

**Wordsworth St.**, near Horace St., Ward 1, frame dwell., 24' x 43'; owner, Henry Barrett; builder, C. P. Stowe.

**Cornwall St.**, near Washington St., Ward 23, three-st'y frame dwell., pitch roof, 24' x 43'; owner, P. McGee; builder, G. A. Cahill.

**Roslin St.**, near Washington St., Ward 24, frame dwell., 34'4" x 35'4"; owner, W. H. Vannevar; builder, H. M. Wallis.

**Foss St.**, near Butler St., Ward 24, frame dwell., 29' x 42'; owner, Miss A. L. Chaddock; builders, J. A. Tucker & Son.

**Perham St.**, near Winslow St., Ward 23, frame dwell., hip roof, 28' x 30'; owner, H. W. French; builders, Rolf & Duran.

**Creighton St.**, near Day St., Ward 23, three-st'y frame dwell., hip roof, 29' x 42'6"; owner, F. McLaughlin; builder, J. E. Kelley.

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### BUILDING INTELLIGENCE.

(Houses Continued.)

dwell., 26' x 31.6'; owner, E. B. Taylor; builder, P. M. Brown.

**Weld Hill St.**, near Wachusett St., Ward 23, frame dwell., 25' x 45'; owner and builder, J. A. Marchbank.

**Minot St.**, near Narragansett St., Ward 24, frame dwell., hip roof, 26' x 33'; owner, Mrs. M. A. Timberlake; builder, W. J. Hatch.

**Bumstead Lane**, near Tremont St., Ward 22, three-st'y frame dwell., flat roof, 22' x 37'; owners, Rosie Gately and Bridget Fallon; builder, M. J. O'Brien.

**Melville Ave.**, near Allston St., Ward 24, frame dwell., hip roof, 38.6' x 40.10'; owner, F. T. Fuller; builder, J. M. E. Morrill.

**Cottage St.**, Nos. 94-98, Ward 20, 3 three-st'y frame dwell., flat roofs, 23' x 39'; owner and builder, J. V. Devine.

**West Selden St.**, near Crossman St., Ward 24, 2 frame dwell., mansard roofs, 29' x 34'; owners, J. Blamfield and J. T. Coulter; builder, J. Blamfield.

**Leyden St.**, near Gladstone St., Ward 1, three-st'y frame dwell., flat roof, 38' x 48'; owner, John Booth; builder, G. T. Rideout.

**Chapman St.**, opp. Lauriat Ave., Ward 24, 3 frame dwell., 25.6' x 49'; owner, S. A. Tucker, est.; builder, B. Rockwell.

**Crescent Ave.**, near Spring Park Ave., Ward 24, frame dwell., flat roof, 32' x 47'; owner, James Campbell; builder, G. W. Hamilton.

**Maverick St.**, No. 186, Ward 2, frame dwell., flat roof, 20' x 31'; owner, Geo. W. Hargrave; builder, Frank W. Hargrave.

**Burl Ave.**, near Washington St., Ward 24, three-st'y frame dwell., flat roof, 25' x 41'; owner, R. F. Bumstead; builder, D. W. Mosher.

**I St.**, Nos. 41-43, Ward 14, 2 three-st'y frame dwell., flat roofs, 21.6' x 34'; owner, Ernst Hornell; builder, W. T. Eaton.

**Dorchester Ave.**, near Welles St., Ward 24, frame dwell., 24' x 45.6'; owner and builder, W. J. Robinson.

**Bennington St.**, No. 233, Ward 1, three-st'y frame dwell., flat roof, 21.6' x 45'; owner and builder, Wm. Keough.



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## BUILDING INTELLIGENCE.

(Houses Continued.)

Brooklyn, N. Y. — Forty-eighth St., n. s. 109' e Third Ave., 4 four-st'y brick dwells, tin roofs; cost, \$6,000 each; owner, Jas. Burke, 218 Forty-seventh St.; architect, Wm. J. Simpson, New York City.

Thirty-first St., s. s. 210' w Fourth Ave., 6 two-st'y frame dwells, tin roofs; cost, \$1,800 each; owner, architect and builder, Wm. E. Kay, Blythebourne, L. I.

Fifty-second St., s. s. 100' e Second Ave., 7 two-st'y frame dwells, tin roofs; cost, \$1,500 each; owners and builders, C. & A. Hamilton, 269 Fifty-second St.; architect, Thos. Bennett, 197 Fifty-second St.

Fifty-seventh St., s. s. 230' w Second Ave., 2 two-st'y frame dwells, tin roofs; total cost, \$4,500; owner, architect and builder, A. D. French, Fourth Ave. and Forty-seventh St.

Glennmore Ave., e Atkins Ave., 5 two-st'y dwells; cost, \$13,000; architect, A. J. Warren, 2581 Atlantic Ave.

New York, N. Y. — Railroad Ave., n. w. cor. One Hundred and Sixty-third St., 2 three-st'y stone and frame dwells, tin roofs; cost, \$8,000; owner, A. Hooper, 625 East One Hundred and Fiftieth St.; architect, Anthony F. A. Schmitt, 604 Courtland St.

Nagle Ave., w. s. 325' s Dyckman St., three-st'y brick and frame dwell., tin roof; cost, \$5,500; owner, Joseph O. Clement, 343 West One Hundred and Forty-fifth St.; architect, Charles Sidney, 217 West One Hundred and Twenty-fifth St.

Park Ave., s. w. cor. Sixty-sixth St., three-st'y brick dwell., tin roof; cost, \$18,000; owner, Thomas J. McLaughlin, 10 West Eighty-second St.; architects, Thom & Wilson, 1267 Broadway.

Park Ave., s. w. 40' 50' s Sixty-sixth St., three-st'y brick dwell., tin roof; cost, \$12,000; owner, Thomas J. McLaughlin, 10 West Eighty-second St.; architects, Thom & Wilson, 1267 Broadway.

Philadelphia, Pa. — Laycock St., s. Eighty-eighth St., 2 three-st'y dwell.; contractor, Geo. B. Heath, Ewing Ave. and Eighty-eighth St.

Market St., w. Forty-second St., 4 two-st'y dwells; contractor, T. C. Sloan, 51 North Fortieth St.

Greenville St., w. Point House Road, two-st'y dwell.; owner, A. Hassen.

Huntingdon St., w. Seventeenth St., 13 two-st'y dwells; owner, J. Longhran, 228 North Broad St.

Spruce St., No. 327, three-st'y dwell.; contractor, W. J. Murphy, 723 Walnut St.

Charles St., w. Mitchell St., 8 two-st'y dwells; contractors Shiner & Barr, 4118 Manayunk Ave.

Stapford St., s. Morris St., 4 two-st'y brick and stone dwells, mansard roofs; contractor, D. P. Bruner.

Buttonwood St., bet. Second and Front Sts., 6 two-st'y brick dwells, mansard roofs; owners, A. J. Fink & Co.

Roscomb St., e York Ave., two-st'y dwell.; contractor, B. F. Erwin, 334 Usher St.

Ninth St., s. Indiana Ave., 2 two-st'y dwells; owner, S. P. Mills, 343 Cumberland St.

Chelton Ave., w. Chew St., 4 four-st'y dwells; owner, F. C. Dade, Jr., 325 South Forty-first St.

Clark St., s. Lefferre St., 6 two-st'y dwells; owners, Sim & Crosta, 4536 Salmon St.

Diamond St., s. e. cor. Eleventh St., three-st'y dwell.; contractor, A. Walker, 3627 Germantown Ave.

Pittsburg, Pa. — Wilkins Ave., 2 stone and frame dwells; owner, J. L. Mitchell; architect, Chas. Bickel.

Stanton Pl., 3 dwells.

Providence, R. I. — Blackstone St., s. s. Brown St., two-and-one-half-st'y frame dwell.; cost, \$3,500; owner, Eugene M. Savin; builder, H. B. Dawley.

Congress Ave., n. s. n. Niagara St., two-and-one-half-st'y frame dwell.; cost, \$4,000; owners, Wm. L. McCauland and wife; builder, Wm. Arnold.

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## BUILDING INTELLIGENCE.

(Houses Continued.)

st'y frame dwell.; cost, \$6,000; owner, Mary A. Baigan; contractors, J. Gillman & Son.

Somerville, Mass. — Hanson St., frame dwell.; owner, John E. Kelley; builder, Mr. Mahoney.

Summer St., cor. Lowell St., frame dwell.; owner, Josephine Doherty; builder, Thos. Killey.

Kilby St., frame dwell.; owners and builders, W. L. & H. S. Waugh.

Dane Ave., frame dwell.; owner, L. Kilroy; builder, John Pongdester.

Somerville Ave., cor. Kilby St., frame dwell.; owner, John Santangelo; builders, Sherriffs & Grant.

Acorn St., frame dwell. and stable; owner, Nellie E. Bremmer; builder, R. H. Colluppy.

Lake St., frame dwell.; owner, Geo. W. Lake; builder, Ellsworth Earnest.

Cedar St., near Highland Ave., frame dwell.; owner, W. F. Mansfield.

Highland Ave., near Cutter Ave., 2 frame dwells; owner and builder, W. P. Rice.

Highland Ave., near West St., frame dwell.; owner and builder, W. P. Rice.

St. Clair, Pa. — A new Methodist parsonage to be built.

St. Louis, Mo. — Two st'y brick dwell., e. s. Seventh St., bet. Cerre and Poplar Sts.; cost, \$3,000; owner, Mrs. Cath. Maguire; contractor, Dogden.

Two-and-one-half-st'y dwell., s. s. Eads St., bet. California and Nebraska Aves.; cost, \$3,500; owner and contractor, Wm. Mueller.

Two-st'y frame dwell., s. s. w. Cabenne Pl., bet. Hamilton and De Hodiament Sts.; cost, \$6,000; owner, Louisa Davenport; contractor, J. Coultas.

Two-st'y dwell., n. e. cor. Pendleton and Lucky Sts.; cost, \$4,000; owner, J. A. Dow; contractor, John Tierney.

Two two-st'y dwells, s. s. Cook St., bet. Vandeventer Ave. and Sarah St.; cost, \$10,000; owner and contractor, Thos. Flannery.

Two-st'y dwell., n. s. w. Belle Pl., bet. Whittier and Pendleton Aves.; cost, \$4,000; owner and contractor, M. Eysell.

Toledo, O. — Brick and stone dwell.; cost, \$40,000; owner, A. Spitzer; architects, Bacon & Huber, Chamber of Commerce.

Two-st'y dwell.; cost, \$5,000; owner, J. N. Oswald; architect, D. L. Stine.

Two-st'y dwell.; cost, \$6,000; architect, D. L. Stine.

Three-st'y stone dwell.; cost, \$50,000; owner, F. Reynolds, Produce Exchange; architect, E. O. Fallis, Chamber of Commerce.

Worcester, Mass. — Tainter St., three-st'y frame dwell.; owner and contractor, Godfrey Fournier.

Woodside St., three-st'y frame dwell.; owner and contractor, P. Nolan.

Wesby St., three-st'y frame dwell.; owner and contractor, Levi Smith.

Dayton St., two-and-one-half-st'y frame dwell.; owner and contractor, J. P. Taber.

Tyfts St., 2 two-and-one-half-st'y frame dwells; owner, W. A. Robertson; day-work.

## BUILDING INTELLIGENCE.

SCHOOL-HOUSES.

Worcester, Mass. — Francis St., two-st'y brick and stone school-building; contractors, Wm. F. Dearborn & Son; owners, City of Worcester; architects, Fuller & Delano.

STABLES.

Boston, Mass. — Rutherford Ave., rear, opp. Dunstable St., Ward 5, frame stable, 20' x 30'; owners, Eastman Freight Car Heater Co.; builder, L. T. Howard.

Lamartine St., opp. Hoffman St., Ward 23, frame stable, 55' x 104'; owners and builders, Boston Ice Co.

New York, N. Y. — Delafield Lane, s. s. 1110' w Riverdale Road, two-st'y stone and frame stable, shingle roof; cost, \$4,000; owner, William E. Dodge, 262 Madison Ave.; architects, Ellingwood & Parish, 57 Broadway.

Elizabeth St., w. s. 101' n Prince St., three-st'y brick stable, tar and gravel roof; cost, \$7,000; owner, Mary A. McGuire, 152 West Fifty-eighth St.; architect, John P. Leo, 287 Fourth Ave.

Somerville, Mass. — Thorndike St., frame stable; owner, Mary Farnum; builder, Chas. F. Farnum.

Skehan St., frame stable; owner, Elizabeth Ham-

burn; builder, E. N. Hutchins.

Spring St., frame stable; owner, John M. Woods; builders, Sidney Peterson & Co.

Merrim St., frame stable; owner, John J. Hayes; builder, Mr. McAvoy.

Avon St., frame stable; owner, Nellie E. Bremmer; builder, R. H. Colluppy.

Medford St., frame stable; owner, Charles O. Laller.

Flint Ave., near Flint St., frame stable; owner, W. P. Rice; builder, W. R. Emerson.

STORES.

Brooklyn, N. Y. — Broadway, w. s. 88' n Lexington Ave., two-st'y brick store and dwell., tin roof; cost, \$6,000; owner, H. W. Biffar, Vernon Ave.; architect, F. Halenberg, 1169 Broadway; builders, Daenke Bros., 134 South Ninth St.

Washington St., n. e. cor. Concord St., 5 one-st'y brick stores, gravel roofs; total cost, \$23,000; owner, Henry P. De Graff, One Hundred and Twenty-fifth St. and Fifth Ave., New York; architect, H. B. Van Benschoten, 210 East One Hundred and Twenty-third St., New York.

Nassau Ave., n. s. 75' e Humboldt Ave., three-st'y frame store and dwell., gravel roof; cost, \$4,200; owner and builder, David Quinlan, 64 Diamond St.; architect, P. Tillion, 299 Manhattan Ave.

Chicago, Ill. — Gustaf Parson, three-st'y store and flats, 120 Ninety-first St.; cost, \$4,000.

Mrs. Chris L. Engle, four-st'y store and flats, 4232 Cottage Grove Ave.; cost, \$7,000.

John Milbinger, four-st'y store and flats, 583 South Halsted St.; cost, \$10,000.

August Mengs, three-st'y flats, 643 West Twelfth St.; cost, \$6,500.

M. F. Prindiville, three-st'y store and flats, 1319 Ogden Ave.; cost, \$4,000.

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## BUILDING INTELLIGENCE.

(Stores continued.)

James Prindiville, three-story store and flats, 1912 West Twelfth St.; cost, \$7,500.  
F. R. Otis, four-story store and flats, 221-226 Twenty-second Pl.; cost, \$5,000.  
Thomas Pepper, three-story store and flats, 480 Ogden Ave.; cost, \$6,000.  
N. Brede, three-story store and flats, 6239 Halsted St.; cost, \$7,500.  
J. Merrick, three-story store and flats, 789 Lincoln Ave.; cost, \$4,000.  
Wallace DeWolf, 12 two-story stores and flats, 4679-4683 Lake Ave.; cost, \$30,000.  
C. Barsouski, three-story store and flats, 1322 Sixty-third St.; cost, \$4,000.  
E. F. Pulsifer, five-story store and flats, 22-24 Twenty-sixth St.; cost, \$40,000.  
E. Steinbrecher, two-story store and dwell., Western Ave. and Hamburg St.; cost, \$4,500.  
**Detroit, Mich.**—John Costello, two-story frame double store, 28-30 Humboldt Ave.; cost, \$3,700.  
J. G. Hock, brick store, 306 Michigan Ave.; cost, \$3,400.  
**New York, N. Y.**—Eighty-first St., ss. 273 w Avenue B, five-story brick store, tin roof; cost, \$35,000; owner, Leopold Bleur, 40 East Twenty-second St.; architect, Theo. G. Stein, 2 West Fourteenth St.

## MISCELLANEOUS.

**Baltimore, Md.**—Columbia Ave., No. 938, two-story brick building and shop; contractor, John H. Lassahn.  
**Boston, Mass.**—Friend St., No. 258, Ward 7, five-story brick storage, flat roof, 27.5' x 75'; owner, S. F. Petts; builders, J. J. Coon & Co.  
Jeffries Ct., near Jeffries St., Ward 2, two-story frame mechanical building, pitch roof, 39' x 70'; owner, Geo. Parker; builder, G. B. Brooks.  
**Brooklyn, N. Y.**—Seigel St., Nos. 16-18-20, one-story brick market, tin roof; cost, \$25,000; owner, Alexander Grant, 1356 Lexington Ave., New York City; architect, Fred Ebeling, 3 First Ave.  
**Detroit, Mich.**—H. W. Rickel & Co., three-story brick malt-house and frame elevator, 502-14 Adelaide St.; cost, \$55,000.  
**New York, N. Y.**—Sixtieth St., s e cor. First Ave., three and five-story mission and nursery building, tin roof; cost, \$50,000; owners, Madison Ave. Reformed Church, Fifty-seventh St. and Madison Ave.; architects, Rose & Stone, 1 Madison Ave.  
**Ocean Grove, N. J.**—Auditorium, seating capacity 10,000; architect, F. T. Camp, Bloomfield, N. J.  
**Philadelphia, Pa.**—Queen and Fifth Sts., four-story brick building; contractor, Jas. E. Clark.  
**Providence, R. I.**—Sabin St., cor. Aborn, Mason and Beverly Sts., six-story brick building; cost, \$150,000; owners, Kent & Stanley Co.; builders, J. W. Bishop & Co.  
**St. Louis, Mo.**—One-story boiler and engine-house, s s Randolph St., bet. Eighteenth and Nineteenth

## BUILDING INTELLIGENCE.

(Miscellaneous Continued.)

Sta.; cost, \$6,000; owners and contractors, Terminal Railroad Association.

## PROPOSALS.

Treasury Department, Office of the Supervising Architect, Washington, D. C., November 18, 1893. Sealed proposals will be received at this office until 2 o'clock P. M. on the 13th day of December, 1893, and opened immediately thereafter, for all the labor and materials required to put in place complete the tower-clock and bell for the United States Court-house, Post office, etc., extension at Dallas, Tex., in accordance with the drawing and specification, copies of which may be obtained at this office or the office of the Superintendent at Dallas, Tex. Each bid must be accompanied by a certified check for a sum not less than two per cent of the amount of the bid. The right is reserved to reject any or all bids, and to waive any defect or informality in any bid, if it is deemed in the interest of the Government to do so. All proposals received after the time stated will be returned to the bidder. Proposals must be enclosed in envelopes sealed and marked "Proposal for the Tower-clock and Bell for the United States Court-house, Post office, etc., Extension at Dallas, Tex." and addressed to JEREMIAH O'ROURKE, Supervising Architect. 936

Treasury Department, Office Supervising Architect, Washington, D. C., November 16, 1893. Sealed proposals will be received at this office until 2 o'clock P. M. on the 8th day of December, 1893, and opened immediately thereafter, for all the labor and materials required for the erection and completion (except heating apparatus) of the extension to the United States Custom-house and Post-office building at New Haven, Conn., in accordance with the drawings and specification, copies of which may be had at this office or the office of the Superintendent at New Haven, Conn. Each bid must be accompanied by a certified check for a sum not less than two per cent of the amount of the proposal. The right is reserved to reject any or all bids, and to waive any defect or informality in any bid, if it is deemed in the interest of the Government to do so. All proposals received after the time stated will be returned to the bidders. Proposals must be enclosed in envelopes, sealed and marked "Proposal for the Erection and Completion (except heating apparatus) of the Extension to the United States Custom-house and Post-office building at New Haven, Conn.," and addressed to JEREMIAH O'ROURKE, Supervising Architect. 936

Treasury Department, Office Supervising Architect, Washington, D. C., November 16, 1893. Sealed proposals will be received at this office until 2 o'clock P. M. on the 6th day of December, 1893, and opened immediately thereafter, for all the labor and materials required for the erection and completion of a stable at the United States Marine Hospital, Chelsea, Mass., in accordance with the drawing and specification, copies of which may be had at this office or the office of the Superintendent at Chelsea, Mass. Each bid

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## PROPOSALS.

must be accompanied by a certified check for a sum not less than two per cent of the amount of the proposal. The right is reserved to reject any or all bids, and to waive any defect or informality in any bid, should it be deemed in the interest of the Government to do so. All bids received after the time stated will be returned to the bidders. Proposals must be enclosed in envelopes sealed and marked "Proposal for the Erection and Completion of a Stable at the United States Marine Hospital, Chelsea, Mass.," and addressed to JEREMIAH O'ROURKE, Supervising Architect. 936

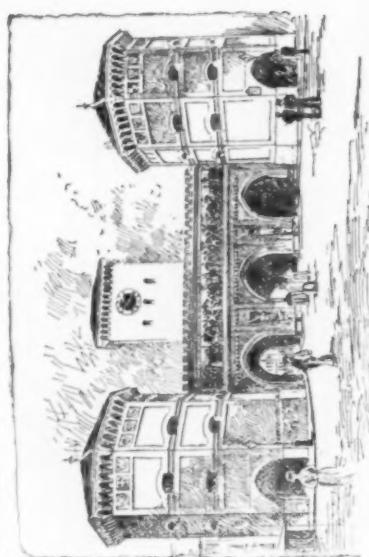
Treasury Department, Office Supervising Architect, Washington, D. C., November 17, 1893. Sealed proposals will be received at this office until 2 o'clock P. M. on the 12th day of December, 1893, and opened immediately thereafter, for all the labor and materials required for completing the plumbing and sewerage at the United States Court-house and Post-office building at Helena, Ark., in accordance with the drawings and specification, copies of which may be had at this office or the office of the Custodian at Helena, Ark. Each bid must be accompanied by a certified check for a sum not less than two per cent of the amount of the proposal. The right is reserved to reject any or all bids, and to waive any defect or informality in any bid, if it is deemed in the interest of the Government to do so. All bids received after the time stated will be returned to the bidders. Proposals must be enclosed in envelopes sealed and marked "Proposal for Completing the Plumbing and Sewerage at the United States Court-house and Post-office building at Helena, Ark.," and addressed to JEREMIAH O'ROURKE, Supervising Architect. 936

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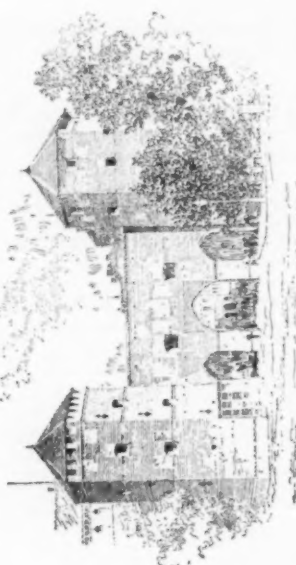
The (E) indicates that the advertisement may be found in the last or the following issue: the (M) that it may be found in the first issue for each month.

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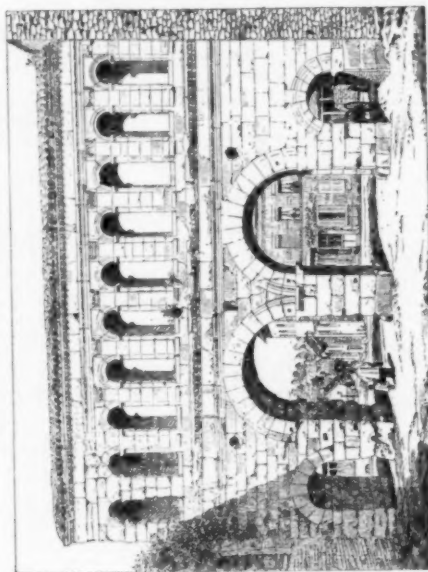




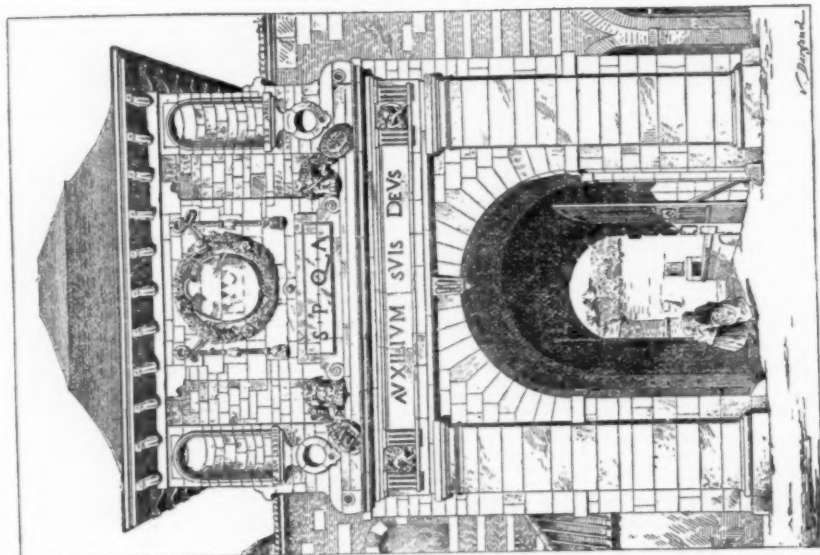
The Isar Thor, Munich, Bavaria.



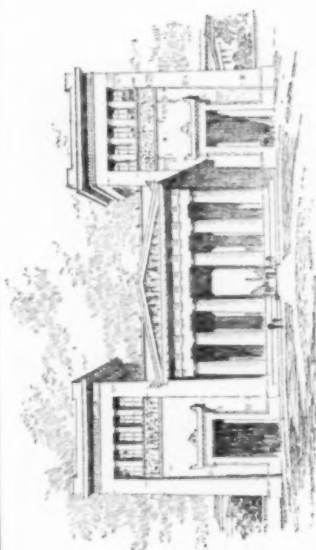
The Sendlinger Thor, Munich, Bavaria.



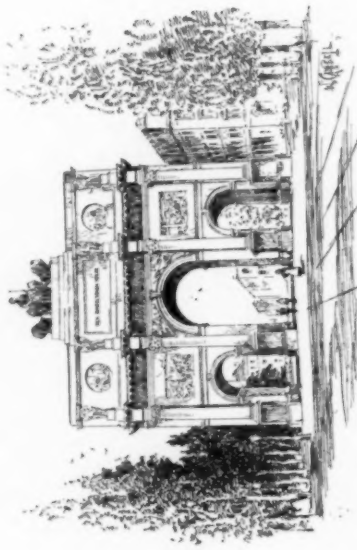
Saint Andrew's Gate, Antwerp.



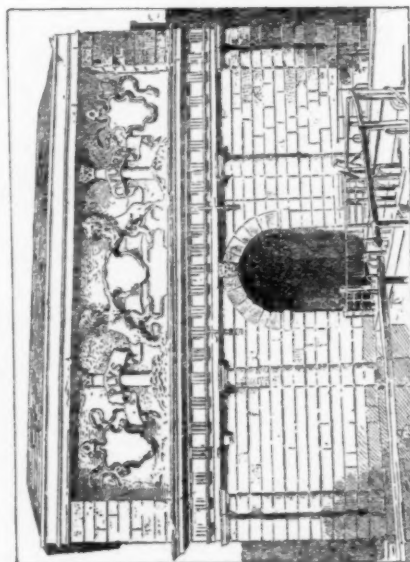
The Borgehout Gate, Antwerp, Belgium.



The Propylæen, Munich, Bavaria.



The Sieges Thor, Munich, Bavaria.



The Berchem Gate, Antwerp, Belgium.

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Copyright, 1892, by THE J. L. MOTT IRON WORKS. PLATE 10 4-G.

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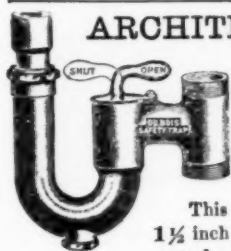
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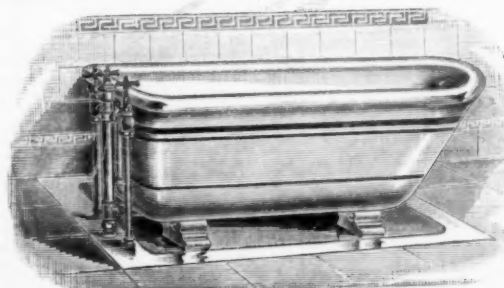
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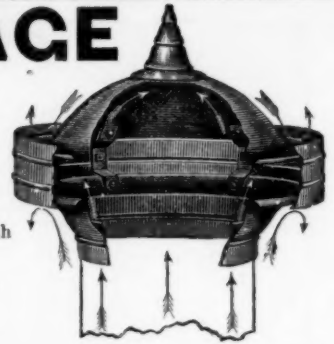
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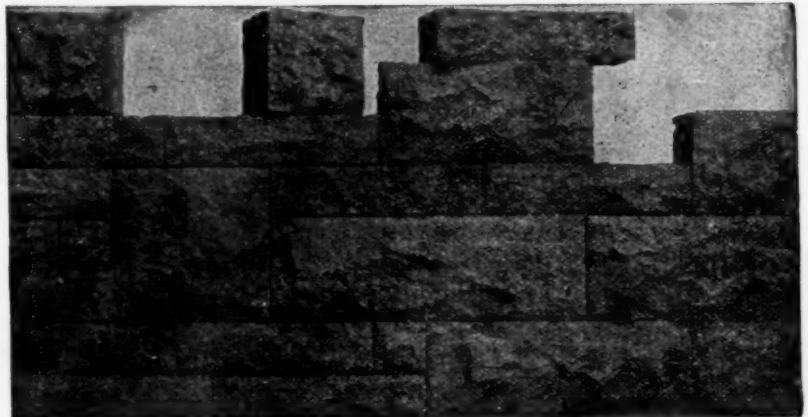
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[See Alphabetical Index on page XV for Pagination.]

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[Advertisers can be indexed only under a single head free of charge.]

- |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      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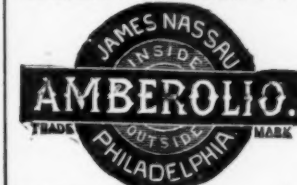


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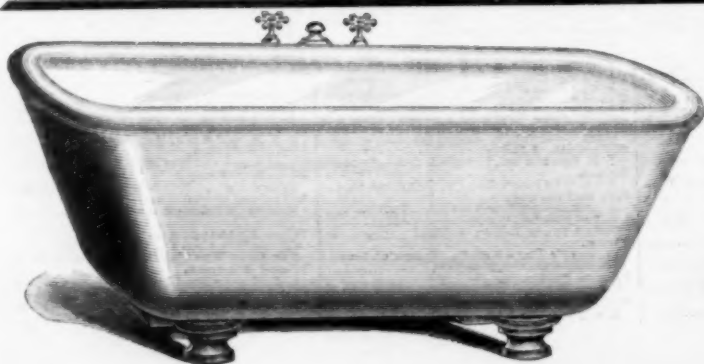
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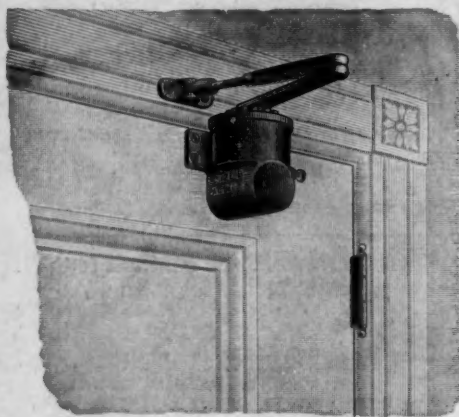
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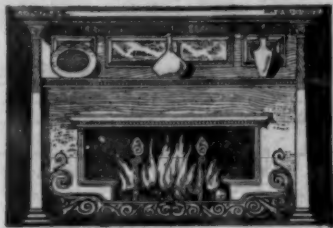
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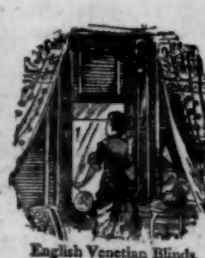
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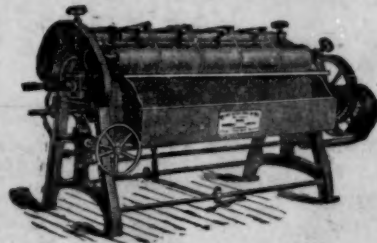
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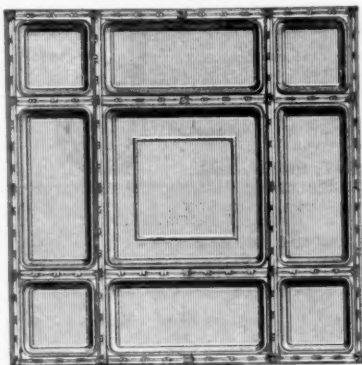
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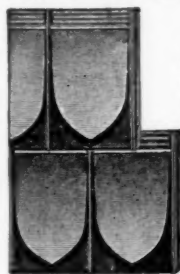


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Laths:

Pine.....

Spruce.....

Shingles:

Pine, shaved..... P. M.....

Pine, sawed..... "

Spruce, sawed..... "

Redwood..... P. M.....

Cedar split..... P. M.....

Cedar sawed..... P. M.....

Cypress, Split..... 7 x 24. "

Miscellaneous:

Pine..... P. ft.....

Fence pickets, Common.....

Cedar posts, 9 ft. (sq. posts.).....

Chestnut posts.....

Finishing Woods: P. M. (First Qual.)

Ash..... [Kiln-dried.]

Cherry.....

Butternut.....

Hard-pine floors (rift).....

Mahogany, Baywood [Mexican].....

" St. Domingo.....

Maple.....

Oak, red.....

" white.....

" quartered.....

Sycamore quartered.....

Pine, clear.....

Redwood.....

Rosewood..... P. M.....

Spruce floors (clear, kiln-dried).....

Walnut, black.....

Whitewood.....

Yellow pine..... P. M.....

(Wholesale Prices.)

(Prices to Builders and Contractors.)

|                 |                  |                  |                 |
|-----------------|------------------|------------------|-----------------|
| 65 00 @ 75 00   | 55 00 @ 70 00    | 42 00 @ 50 00    | 48 00 @ 55 00   |
| 55 00 @ 60 00   | 42 00 @ 50 00    | 27 00 @ 38 00    | 40 00 @ 45 00   |
| 18 00 @ 22 00   | 35 00 @ 40 00    | 14 00 @ 20 00    | 30 00 @ 35 00   |
| 18 00 @ 25 00   | 12 00 @ 25 00    | Not sold.        | 16 00 @ 20 00   |
| ea 134 @ 14     | 13 00 @ 15 00    | 12 00 @ 12 00    | 11 25 @ 13 50   |
| 20 @ 40         | 25 00 @ 35 00    | 21 00 @ 34 00    | 14 00 @ 29 00   |
| @               | 31 00 @ 40 00    | 18 00 @ 34 00    | @ 35 00         |
| @               | 38 00 @ 60 00    | 19 00 @ 24 00    | 14 00 @ 25 00   |
| @               | 23 00 @ 38 00    | Not sold.        | Not sold.       |
| 14 00 @ 18 00   | 14 50 @ 18 00    | 12 00 @ 17 50    | 25 00 @ 37 30   |
| 12 00 @ 16 00   | 13 00 @ 15 00    | Not sold.        | 16 00 @ 18 00   |
| 18 00 @ 21 00   | 22 00 @ 35 00    | 10 00 @ 13 00    | 13 00 @ 17 00   |
|                 |                  | 24 00 @ 34 00    | 22 00 @ 28 00   |
| Slab { 2 00     | 2 25 @ 2 50      | @ 2 65           | 2 75 @ 3 00     |
|                 | 2 00 @ 3 00      | Not sold.        | 2 30 @ 3 00     |
| 5 00 @ 6 00     | @ 4 50           | Not sold.        | 2 80 @ 3 15     |
| 4 00 @ 5 00     | 1 50 @ 00        | Not sold.        | Not sold.       |
| 1 50 @ 2 00     | 3 25 @ 3 75      | 6 00 @ 7 50      | 30 00 @ 40 00   |
| 1 40 @ 1 60     | @                | Not sold.        | 24 00 @ 35 00   |
| @               | 2 00 @ 3 75      | 2 60 @ 2 75      | 30 00 @ 40 00   |
| @               | 5 00 @ 6 00      | 3 50 @ 4 00      | 11 00 @ 14 00   |
| 18 00 @ 20 00   |                  |                  |                 |
| 41 @ 54         | Piles 6c. P. ft. | Cut to order.    |                 |
| 8 00 @ 10 00    | 10 00 @ 18 00    | P. 10 00 @ 22 00 | 9 00 @ 13 00    |
| @               | 25 @ 50          | 9 @ 21           | 40 @ 1 25       |
| @               | 25 @ 50          | Not sold.        | 20 @ 30         |
| @ 55 00         | 45 00 @ 60 00    | 14 00 @ 30 00    | 42 50 @ 47 50   |
| 80 00 @ 120 00  | 90 00 @ 120 00   | 35 00 @ 90 00    | 100 00 @ 120 00 |
| 40 00 @ 60 00   | 60 00 @ 70 00    | 17 00 @ 35 00    | 70 00 @ 80 00   |
| @ 180 00        | 160 00 @ 170 00  | 110 00 @ 170 00  | 150 00 @ 250 00 |
| @ 350 00        | 120 00 @ 350 00  | 200 00 @ 250 00  | 200 00 @ 400 00 |
| 45 00 @ 50 00   | 45 00 @ 50 00    | 12 00 @ 20 00    | 25 00 @ 55 00   |
| @ 70 00         | 45 00 @ 50 00    | 17 00 @ 27 00    | 42 50 @ 55 00   |
| @ 70 00         | 50 00 @ 55 00    | 16 00 @ 28 00    | 45 00 @ 55 00   |
| @ 90 00         | 65 00 @ 75 00    | 34 00 @ 40 00    | 60 00 @ 75 00   |
| 65 00 @ 70 00   | 50 00 @ 65 00    | 25 00 @ 28 00    | 57 50 @ 65 00   |
| 60 00 @ 70 00   | 50 00 @ 75 00    | 33 00 @ 50 00    | @ 65 00         |
| @ 6             | 60 00 @ 70 00    | 90 00 @ 45 00    | 60 00 @ 75 00   |
| 125 00 @ 150 00 | 32 00 @ 35 00    | per M. 600 00    |                 |
| 45 00 @ 50 00   | 85 00 @ 120 00   | 40 00 @ 75 00    | 50 00 @ 170 00  |
| @ 45 00         | 40 00 @ 45 00    | 14 00 @ 30 00    | 25 00 @ 40 00   |
|                 | 40 00 @ 42 00    | 31 00 @ 34 00    | @ 45 00         |



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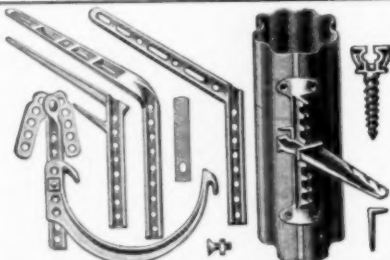
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| <b>BRICK.—P. M.</b>                   |                     |                                       |                |                       |
| Common: Cargo afloat.                 | 1 50 @ 2 00         | Eastern } 9 00 @ 10 00                | Building Brick | Sq. Yard. In Yard.    |
| Pale.....                             | 3 75 @ 4 50         |                                       | @ 5 00         | Sq. Hard @ 9 00       |
| Jersey.....                           |                     |                                       |                | " " @ 7 00            |
| Long Island.....                      | 3 75 @ 4 75         |                                       |                | Salmon @ 5 00         |
| Up River.....                         | 4 25 @ 4 50         |                                       |                | Sq. " @ 9 00          |
| Haverstraw Bay 2d.....                | 5 00 @ 5 25         |                                       |                | Light Stretchers      |
| " 1st.....                            | @ 13 00             |                                       |                | Medium " @ 10 00      |
| Hollow.....                           |                     |                                       |                | Red " @ 12 00         |
| <b>Fronts:</b>                        |                     |                                       |                | Dark " @ 13 00        |
| Croton, Brown.....                    | 9 00 @ 12 00        |                                       |                | Pressed " @ 13 00     |
| " dark.....                           | 10 00 @ 13 00       |                                       |                | Best Paving " @ 20 00 |
| " red.....                            | 10 00 @ 13 00       |                                       |                | Second " @ 14 00      |
| Chicago pressed (Anderson).....       |                     |                                       |                | Third " @ 13 00       |
| " Moulded.....                        |                     |                                       |                | Dom. { @ 65           |
| Baltimore.....                        | 37 00 @ 41 00       |                                       |                | @ 85                  |
| Philadelphia.....                     | 23 00 @ 24 00       |                                       |                |                       |
| Trenton.....                          | @ 19 00             |                                       |                |                       |
| Milwaukee.....                        |                     |                                       |                |                       |
| <b>Moulded:</b>                       |                     |                                       |                |                       |
| Glens Falls Red Pressed.....          | @ 37 00             |                                       |                |                       |
| " " Buff.....                         | @ 30 00             |                                       |                |                       |
| " " Moulded Red & Buff.....           | 45 00 @ 70 00       |                                       |                |                       |
| <b>Enamelled: Imp.</b>                |                     |                                       |                |                       |
| Enamelled (edge).....                 | 85 00 @ 100 00      |                                       |                |                       |
| Enamelled (edge and end).....         | 90 00 @ 115 00      |                                       |                |                       |
| <b>CEMENT, LIME, etc.—(P cask.)</b>   |                     |                                       |                |                       |
| Rosendale Cement.....                 | 95 @ 1 10           |                                       |                |                       |
| Louisville.....                       | Not sold.           |                                       |                |                       |
| Utica, Akron, Buffalo, Milwaukee..... | 2 25 @ 2 50         |                                       |                |                       |
| Portland, English (Gibbs).....        | 2 50 @ 3 00         |                                       |                |                       |
| " (K. B. & S.).....                   | 2 25 @ 2 50         |                                       |                |                       |
| " " Black Cross.....                  | 2 50 @ 2 50         |                                       |                |                       |
| " " (Burnham).....                    | 2 50 @ 3 00         |                                       |                |                       |
| " " (White's).....                    | 3 00 @ 3 75         |                                       |                |                       |
| " French (Lafarge).....               | 2 90 @ 3 25         |                                       |                |                       |
| " German (Alsen).....                 | 2 25 @ 2 40         |                                       |                |                       |
| " " (Fewer).....                      | 2 50 @ 2 90         |                                       |                |                       |
| " " (Vorwöhler).....                  | 2 50 @ 2 90         |                                       |                |                       |
| " " (Lagerdofen).....                 | 2 50 @ 3 00         |                                       |                |                       |
| " " (Dyckerhoff).....                 | 2 35 @ 2 85         |                                       |                |                       |
| " " (Hanover).....                    | 2 15 @ 2 25         |                                       |                |                       |
| " " Stettin (Anchor).....             | 2 75 @ 3 00         |                                       |                |                       |
| " American (Saylor's).....            | 4 50 @ 5 30         |                                       |                |                       |
| Roman.....                            | 5 00 @ 5 50         |                                       |                |                       |
| Keene's coarse.....                   |                     |                                       |                |                       |
| " superfine.....                      |                     |                                       |                |                       |
| <b>Lime:</b>                          |                     |                                       |                |                       |
| Lime of Teil.....                     | 3 50 @ 4 00         |                                       |                |                       |
| Hydraulic Lime.....                   | @ 1 45              |                                       |                |                       |
| Chicago Lime in bulk.....             | 85 @ 87 1/2         |                                       |                |                       |
| Wisconsin Lime.....                   | @ 95                |                                       |                |                       |
| Rockland and Rockport, (Com.).....    | @ 1 10              |                                       |                |                       |
| Rockland and Rockport, finish.....    |                     |                                       |                |                       |
| Kelley Island Lime, finish.....       | 80 @ 85             |                                       |                |                       |
| State, com. cargo rates (nom.).....   | 1 05 @ 1 10         |                                       |                |                       |
| State, finishing.....                 | 1 40 @ 1 50         |                                       |                |                       |
| Plaster of Paris (calcined).....      | @ 1 60              |                                       |                |                       |
| " (casting).....                      | 18 @ 21             |                                       |                |                       |
| Hair (Cattle) P bush.....             | 21 @ 25             |                                       |                |                       |
| " (Goat).....                         | 1 00 @ 1 25         |                                       |                |                       |
| Sand, P load.....                     |                     |                                       |                |                       |
| <b>STONE. (P cubic foot, rough.)</b>  |                     |                                       |                |                       |
| Granite: (Maine)                      |                     |                                       |                |                       |
| Limestone:                            |                     |                                       |                |                       |
| Bedford.....                          | 45 @ 1 25           |                                       |                |                       |
| Joliet.....                           | 1 00                |                                       |                |                       |
| Lemont.....                           |                     |                                       |                |                       |
| Serpentine.....                       |                     |                                       |                |                       |

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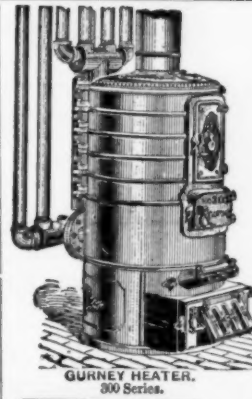
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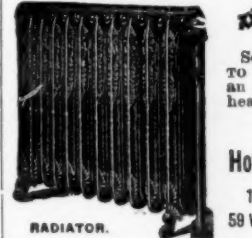
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|----------------------------------------------|--------------------|--------------------------------------|
| Dimension.....                               | 5 00 @ 500         | 20 @                                 |
| Block.....                                   | 4 60 @ per ch.     | Conshocken 5 00                      |
| Rubble.....                                  | 1 25 @ 1 50        | 1 45 @ 2 50                          |
| Bluestone: (P sq. ft.)                       |                    |                                      |
| Sidewalk.....                                | 30 @ 5 00          | 75 @ 1 00                            |
| Planed.....                                  | 50 @ 6 00          | 50 @ 1 00                            |
| Sandstone:                                   |                    |                                      |
| Longmeadow.....                              | 80 @ 80            | 80 @ 90                              |
| Kibbe.....                                   | 90 @ 90            | 90 @ 1 10                            |
| Brown (Connecticut).....                     | 1 00 @ 1 00        | 1 25 @ 1 45                          |
| Amherst Ohio.....                            | 90 @ 95            | 90 @ 1 00                            |
| Berea.....                                   | 75 @ 1 00          | 85 @ 90                              |
| Berlin.....                                  | 75 @ 1 00          | 80 @ 90                              |
| Belleville.....                              | 80 @ 1 25          | 1 25 @ 1 35                          |
| New Brunswick (Dorchester).....              | 80 @ 1 00          | 75 @ 90                              |
| Caen.....                                    | 80 @ 1 00          | 80 @ 2 00                            |
| Carlisle, English.....                       | 80 @ 1 05          | 80 @ 1 05                            |
| Corse Hill (Scotch).....                     | 80 @ 1 05          | 80 @ 1 05                            |
| Marble: (P cu. ft.)                          |                    |                                      |
| Leo, Mass.....                               | 1 75 @ 2 50        | Not Sold.                            |
| Rutland, white and blue.....                 | 2 00 @ 3 00        | 3 50 @ 6 00                          |
| Sutherland Falls.....                        | 1 25 @ 1 75        | 3 50 @ 6 00                          |
| Glen Falls, black.....                       | 2 00 @ 2 00        | Not Sold.                            |
| Italian, blue-veined.....                    | 2 00 @ 2 00        | 4 40 @ 4 40                          |
| "Sienna.....                                 | 2 00 @ 2 00        | Not Sold.                            |
| Tennessee, red.....                          | 2 00 @ 2 00        | 4 40 @ 4 40                          |
| "Knoxville.....                              | 2 00 @ 2 00        | Not Sold.                            |
| Pennsylvania, blue.....                      | 2 00 @ 2 00        | 3 50 @ 6 00                          |
| Vermont, white.....                          | 2 00 @ 2 00        | 2 25 @ 3 00                          |
| Slate: Roofing (P square).                   |                    |                                      |
| "green.....                                  | 5 00 @ 6 00        | 4 75 @ 5 25                          |
| "unfading.....                               | 5 00 @ 6 00        | 5 50 @ 6 50                          |
| "purple.....                                 | 5 00 @ 6 00        | 5 50 @ 6 50                          |
| "red.....                                    | 5 00 @ 6 00        | 10 00 @ 11 00                        |
| "black, high.....                            | 4 25 @ 4 75        | 10 00 @ 11 00                        |
| "Chapmans.....                               | 5 50 @ 8 00        | 5 50 @ 8 00                          |
| "Unfading black, Monson, Me.....             | 5 50 @ 8 00        | 5 50 @ 8 00                          |
| Tiles, Am.....                               | 7 @ 7 1/2          | 6 1/2 @ 7                            |
| N. Peach Bottom, warranted unfading.         | 5 @ 5 1/2          | 6 @ 7                                |
| PAINTS. (In Oil P lb.)                       |                    |                                      |
| White lead, Am.....                          | 7 @ 7 1/2          | 6 1/2 @ 7                            |
| "zinc.....                                   | 5 @ 5 1/2          | 6 @ 7                                |
| Red lead, Am.....                            | 6 1/2 @ 7          | 6 1/2 @ 7                            |
| "Venetian.....                               | 6 @ 7              | 6 @ 7                                |
| "Vermillion.....                             | 65 @ 70            | 70 @ 5 dry                           |
| "Indian, Eng.....                            | 6 @ 15             | 7 @ 12                               |
| Yellow Ochre.....                            | 12 @ 20            | 18 @ 25                              |
| "Chrome.....                                 | 8 @ 13             | 8 @ 20                               |
| Green (chrome).....                          | 25 @ 40            | 25 @ 40                              |
| Green, Paris.....                            | 15 @ 25            | 15 @ 25                              |
| Black, lamp.....                             | 12 @ 18            | 18 @ 30                              |
| Blue, ultramarine.....                       | 55 @ 62            | 43 @ 44                              |
| Oil, linseed, (raw).....                     | 58 @ 65            | 46 @ 47                              |
| "boiled.....                                 | 36 @ 37            | 46 @ 47                              |
| Turpentine.....                              | 1 50 @ 6 00        | 1 50 @ 6 00                          |
| Varnish, coach.....                          | 2 50 @ 3 00        | 2 50 @ 3 00                          |
| Shellac.....                                 | 2 @ 4              | 2 @ 4                                |
| Putty.....                                   | 75 @ 1 00          | 1 @ 1 1/2                            |
| Whiting.....                                 | 1 30 @ 2 00        | 2 @ 3                                |
| Paris white, (Eng.).....                     | 6 @ 6              | 6 @ 7                                |
| Litharge, Am.....                            | 14 @ 20            | 14 @ 20                              |
| Sienna (burnt).....                          | 14 @ 20            | 14 @ 20                              |
| Umber.....                                   | 14 @ 20            | 14 @ 20                              |
| HARDWARE.                                    |                    |                                      |
| Nails: (Per Cask.) Spikes, (wrought.)        | 2 85 @             | 2 20 @                               |
| 10d. common.....                             | 2 60 @             | 2 20 @                               |
| Shingle.....                                 | 3 35 @             | 2 65 @                               |
| Lath.....                                    | 4 85 @             | 3 20 @                               |
| (Finishing nails according to size.)         |                    |                                      |
| (For casing nails add 75 c. per keg.)        |                    |                                      |
| Butts: 4" x 4"..... (P doz. pairs.)          |                    |                                      |
| Plain.....                                   | 1 00 @             | 1 20 @                               |
| Japanned.....                                | 1 50 @             | 1 75 @                               |
| Acorn, Japanned.....                         | 1 50 @             | 1 90 @                               |
| Ball Tip, Boston Finish..... (P pair.)       | 65 @               | 50 @                                 |
| Bronze metal.....                            | 1 90 @             | plain 1 65 @                         |
| Brass (for cupboards).....                   | 10 @               | 10 @                                 |
| Ebony.....                                   | 10 @               | 10 @                                 |
| Apple wood.....                              | 10 @               | 10 @                                 |
| Knobs: (P set.)                              |                    |                                      |
| Mineral, best.....                           | 8 @                | 8 @                                  |
| Lava.....                                    | 50 @               | 75 @                                 |
| Hemacite.....                                | Not Sold.          | 17 @ 35                              |
| Porcelain.....                               | 30 @               | 10 @                                 |
| Glass, solid.....                            | Not Sold.          | 50 @                                 |
| Glass, silvered.....                         | Not Sold.          | 88 @ 1 00                            |
| Bronze metal.....                            | 75 @ 2 00          | 50 @ 3 00                            |
| Brass.....                                   | 1 00 @ 2 50        | 50 @ 3 00                            |
| Solder:                                      |                    |                                      |
| Sheet Lead.....                              | 7 @                | 7 @                                  |
| Lead Pipe.....                               | 6 1/2 @            | 6 1/2 @                              |
| Iron:                                        |                    |                                      |
| I-Beams, up to and including 30 ft.....      | 3 3-10 @ 3 1/2     | 3 4-10 @                             |
| do. over 30 ft., 1/2 c. adv. for every 5 ft. | 3 3-10 @ 3 1/2     | 3 4-10 @                             |
| Channel Beams.....                           | 3 3-10 @ 3 1/2     | 3 4-10 @                             |

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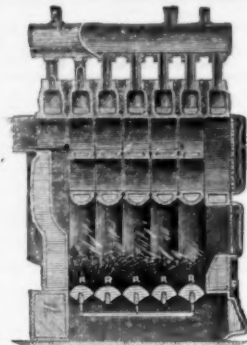
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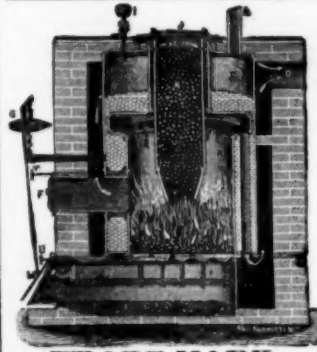
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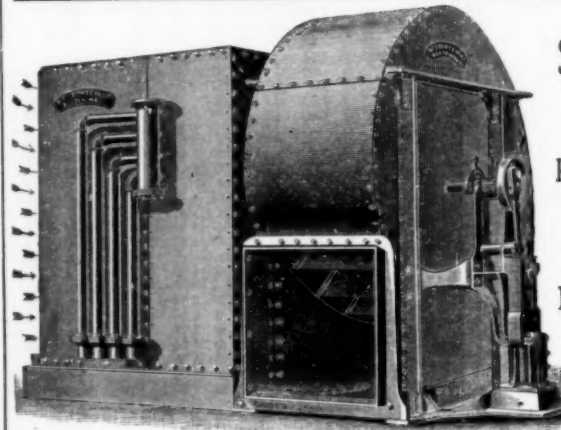
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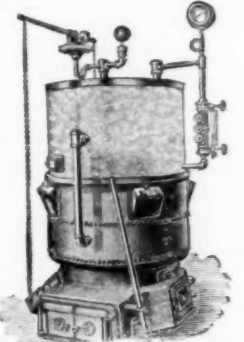
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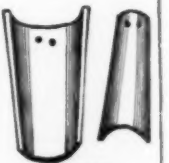
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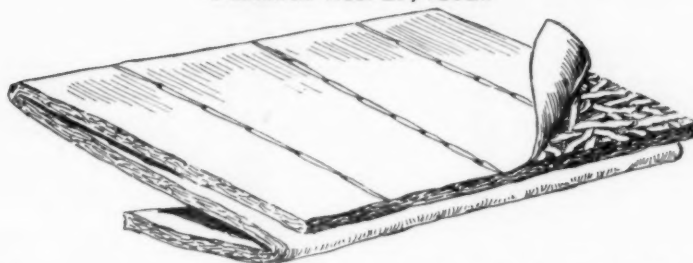
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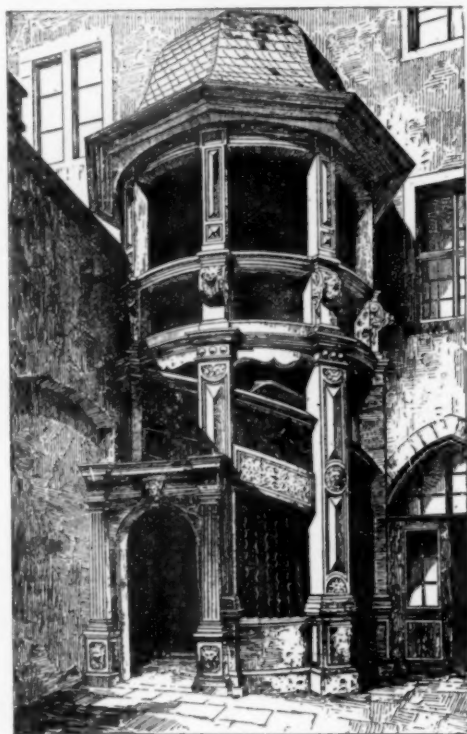
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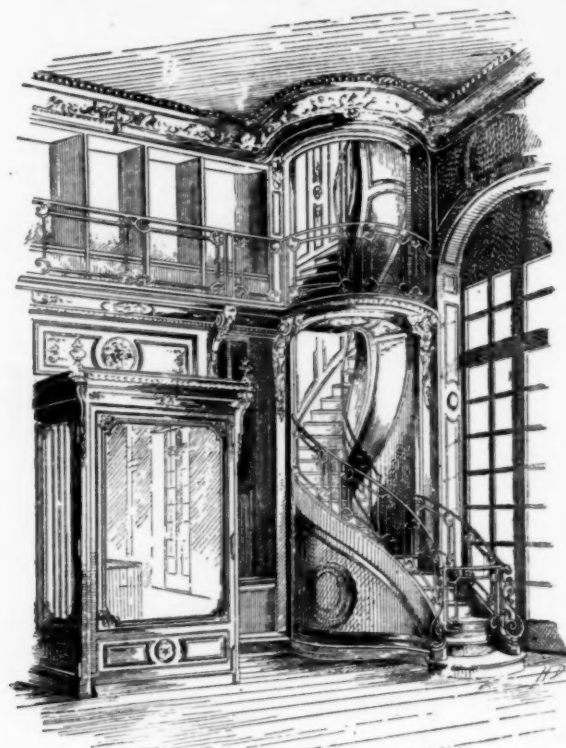
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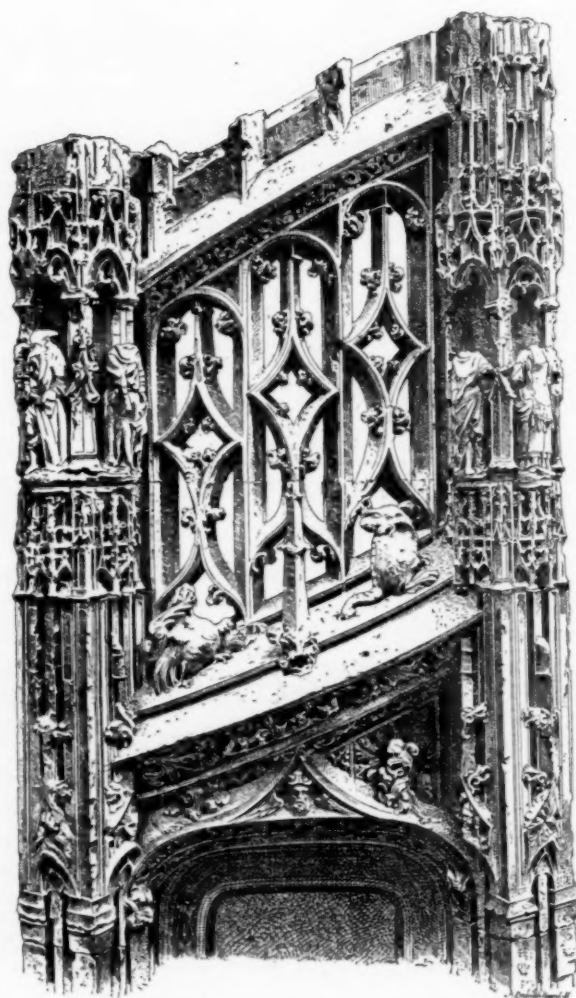
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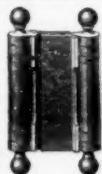
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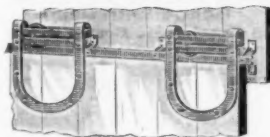
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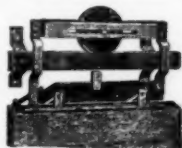


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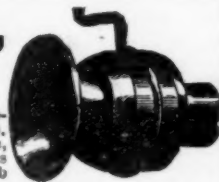


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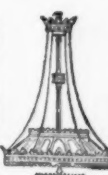
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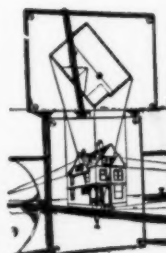
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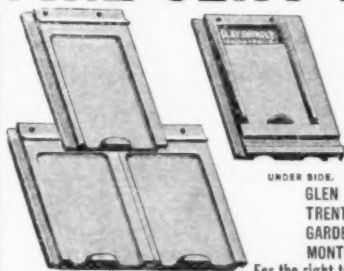


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## BUILDING INTELLIGENCE.

(Reported for The American Architect and Building News.)

[Although a large portion of the building intelligence is provided by their regular correspondents, the editors greatly desire to receive voluntary information, especially from the smaller and outlying towns.]

## ALTERATIONS.

Chicago, Ill.—Albert Langley, two-st'y addition, 9-11 South Water St.; cost, \$4,000.  
S. J. Carter, one-st'y addition, 122-124 North May St.; cost, \$4,500.  
Haddonfield, N. J.—West End Ave., extensive alterations and additions to the dwell. of Edward H. Jones.  
Jenkintown, Pa.—Alterations to be made to the Roman Catholic Church; cost, \$60,000.  
Philadelphia, Pa.—Eighteenth and Walnut Sts., alterations to be made to property; owner, A. J. Drexel, Jr.; contractors, Stacy Reeves & Sons, 1611 Filbert St.  
Richmond St., Nos. 50-52, one-st'y addition to factory; contractors, Ralph & Gregg, 1233 Olive St.

## APARTMENT-HOUSES.

Brooklyn, N. Y.—Three double brick and brown-stone store and flats to be built at Flatbush; cost, \$50,000; architect, A. J. Warren, 2581 Atlantic Ave.  
Chicago, Ill.—Simon Gundberg, two-st'y flats, 180 West Fifteenth St.; cost, \$4,500.  
Thomas Fay, three-st'y flats, 1446 Fifty-first St.; cost, \$4,000.  
Michael Collins, three-st'y flats, 6022 Union Ave.; cost, \$3,000.  
Otto Kucas, three-st'y flats, 1312 Wrightwood Ave.; cost, \$4,500.  
Martin Hogan, three-st'y flats, 89 Ninety first St.; cost, \$3,000.  
John Richards, three-st'y flats, 518 West Monroe St.; cost, \$6,500.

[Continued on page xiii.]

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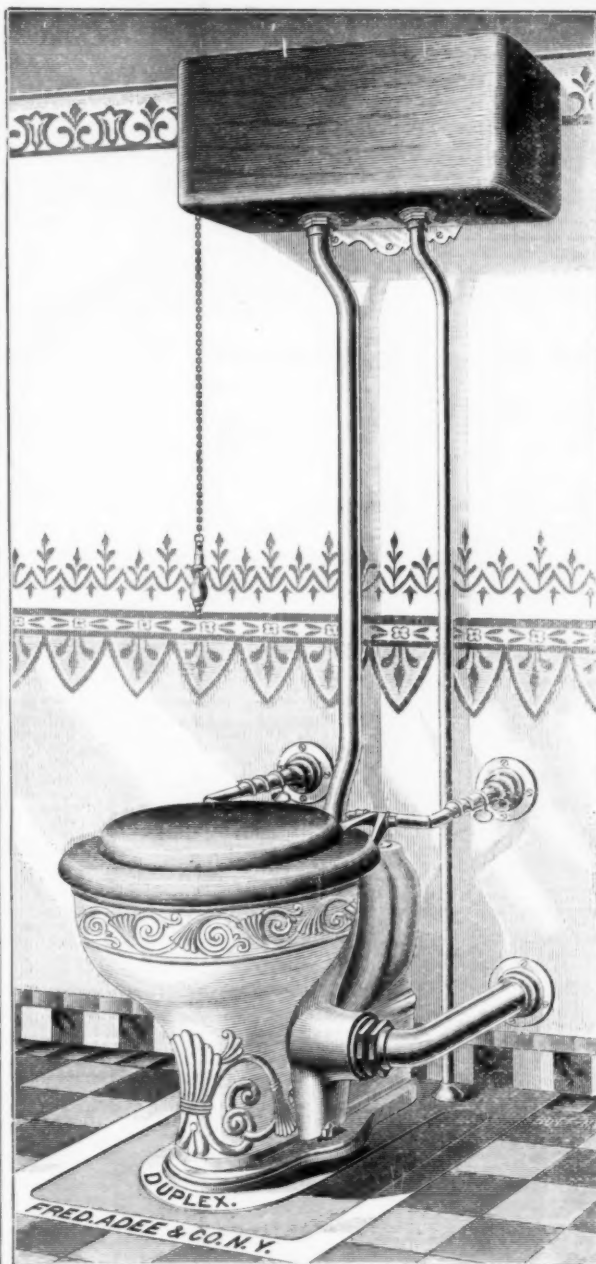
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J. H. Graham, two-st'y flats, 1530 Adams St.; cost, \$5,000.  
F. Mayo, three-st'y flats, 9070 Superior Ave.; cost, \$4,000.  
Caroline Jacklin, three-st'y flats, 114 Edgewater Ave.; cost, \$3,300.  
C. L. Jenkes, 2 four-st'y flats, 2111-2113 Clark St.; cost, \$6,000.

### BUILDING INTELLIGENCE.

(Apartment-Houses Continued.)

F. Selkenet, three-st'y flats, 5443 Armour Ave.; cost, \$3,000.  
Clara Zakowski, two-st'y flats, 818 North Paulina St.; cost, \$4,300.  
Charles Geshke, two-st'y flats, 1538 Harvard St.; cost, \$3,000.  
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O. M. Austin, 2 three-st'y flats, 206-208 Seminary  
Ave.; cost, \$7,000.J. M. Murdick, four-st'y flats, 406 Sheffield Ave.;  
cost, \$7,000.Alexander Burke, two-st'y flats, 1423 Harvard St.;  
cost, \$6,000.R. A. Griefenhagen, 2 four-st'y flats, 547-549 Dear-  
born Ave.; cost, \$38,000.J. J. Monaghan, 4 three-st'y flats, 1817-1823 Aldine  
St.; cost, \$30,000.Louis Laiking, two-st'y flats, 1484 Newport Ave.;  
cost, \$3,000.W. A. Carlson, two-st'y flats, 1892 Reta St.; cost,  
\$3,500.Frank Olsen, two-st'y flats, 6946 Wright St.; cost,  
\$3,000.F. O. Schroeder, two-st'y flats, 157 Clifton Ave.;  
cost, \$5,500.New York, N. Y. — East One Hundred and Twenty-  
sixth St., No. 149, five-st'y brick and limestone flats;  
cost, \$18,000; owner, A. A. Jordan, 173 East Eighty-  
ninth St.; architects, Neville & Bagge, 217 West One  
Hundred and Twenty-fifth St.Columbus Ave., s w cor. Eighty-eighth St., five-st'y  
brick flats, tin roof; cost, \$50,000; owner, Henry C.  
Jones, 50 Willow St., Brooklyn; architect, J. H.  
Valentine, s w cor. One Hundred and Sixteenth St.  
and Third Ave.One Hundred and Twentieth St., s s cor. e First  
Ave., five-st'y brick flats, tin roof; cost, \$22,000;  
owner, Herman Schmuck, 779 Prospect Ave.; archi-  
tect, Edward Wewa, 1491 Third Ave.Philadelphia, Pa. — Chestnut St. and Woodland  
Ave., w Third-third St., brick, stone and iron apart-  
ment-house; owners, Adolf Segal, et al, 307 Drexel  
Building; architect, Wm. H. Free, 27 North Juniper  
St.

(Continued in Supplement.)

## PROPOSALS.

Treasury Department, Office Supervising Architect,  
Washington, D. C., November 23, 1893. Sealed propo-  
sals will be received at this office until 2 o'clock P. M.  
on the 19th day of December, 1893, and opened imme-  
diately thereafter, for all the labor and materials  
required for the erection and completion (except  
heating apparatus) of the United States Custom-  
house and Post-office building at Sheboygan, Wis., in  
accordance with the drawings and specification, copies  
of which may be had at this office or the office of the  
Superintendent at Sheboygan, Wis. Each bid must  
be accompanied by a certified check for a sum not  
less than two per cent of the amount of the propo-  
sal. The right is reserved to reject any or all bids,  
and to waive any defect or informality in any bid, if  
it be deemed in the interest of the Government to do  
so. All proposals received after the time stated will  
be returned to the bidders. Proposals must be enclosed  
in envelopes sealed and marked "Proposal for the  
Erection and Completion (except Heating Apparatus)  
of the United States Custom-house and Post-office  
Building at Sheboygan, Wis." and addressed to  
JEREMIAH O'ROURKE, Supervising Architect.

Treasury Department, Office Supervising Architect,  
Washington, D. C., November 22, 1893. Sealed propo-  
sals will be received at this office until 2 o'clock P. M.  
on the 15th day of December, 1893, and opened imme-  
diately thereafter, for all the labor and materials  
required for the cut-stone and brickwork, ironwork,  
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enclosed in envelopes, sealed and marked "Proposal  
for the Cut-stone and Brickwork, etc., for the Super-  
structure of the United States Custom-house and  
Post-office Building at St. Albans, Vt.," and addressed  
to JEREMIAH O'ROURKE, Supervising Architect.

To Builders. Office of the Light-house Engineer,  
Third District, Tompkinsville, N. Y., November 22,  
1893. Proposals will be received at this office until 12  
o'clock noon, Thursday, the 14th day of December,  
1893, for furnishing the materials and labor of all  
kinds necessary for the erection and delivery of the  
Rockland Lake Light-house, Hudson River, New  
York. Plans, specifications, forms of proposal, and  
other information may be obtained on application to  
this office. The right is reserved to reject any or all  
bids, and to waive any defects. D. P. HEAP, Major  
of Engineers, U. S. A., Light-house Engineer. 937

To Iron Manufacturers. Office of the Light-house  
Engineer, Third District, Tompkinsville, N. Y., No-  
vember 22, 1893. Proposals will be received at this  
office until 12 o'clock noon, Thursday, the 14th day  
of December, 1893, for furnishing the materials and  
labor of all kinds necessary for the completion and  
delivery of the metal-work of the Rockland Lake  
Light-house, Hudson River, New York. Plans, spec-  
ifications, forms of proposal, and other information  
may be obtained on application to this office. The  
right is reserved to reject any or all bids and to waive  
any defects. D. P. HEAP, Major of Engineers, U. S.  
A., Light-house Engineer, Third District. 937

Treasury Department, Office of the Supervising Ar-  
chitect, Washington, D. C., November 18, 1893. Sealed  
proposals will be received at this office until 2 o'clock  
P. M. on the 13th day of December, 1893, and opened  
immediately thereafter, for all the labor and materi-  
als required to put in place complete the tower-clock  
and bell for the United States Court-house, Post-office,  
etc., extension at Dallas, Tex., in accordance with the  
drawing and specification, copies of which may be  
obtained at this office or the office of the Superinten-  
dent at Dallas, Tex. Each bid must be accompanied  
by a certified check for a sum not less than two per  
cent of the amount of the bid. The right is reserved  
to reject any or all bids, and to waive any defect or  
informality in any bid, if it be deemed in the interest  
of the Government to do so. All proposals received  
after the time stated will be returned to the bidder.  
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marked "Proposal for the Tower-clock and Bell for  
the United States Court-house, Post-office, etc., Exten-  
sion at Dallas, Tex.," and addressed to JEREMIAH  
O'ROURKE, Supervising Architect. 936

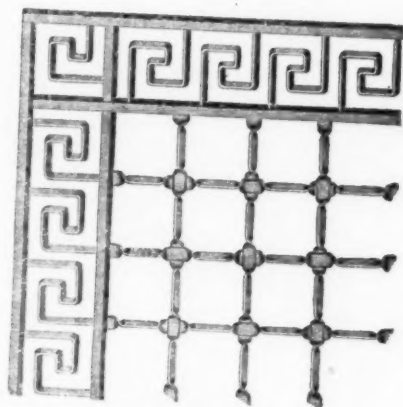
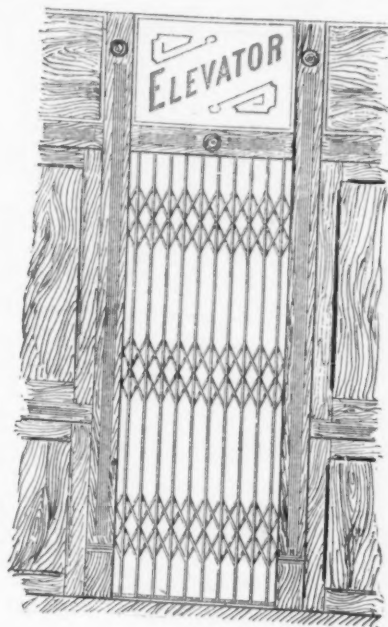
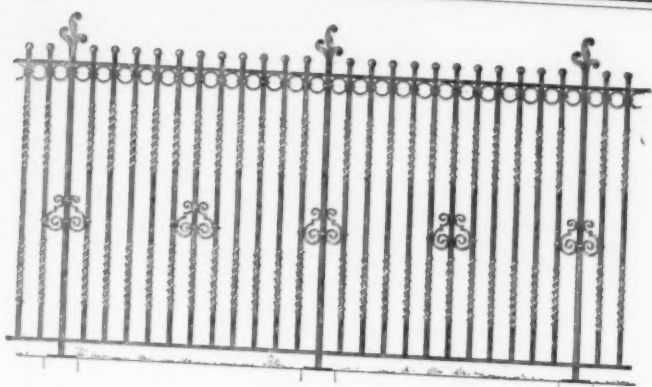
Treasury Department, Office Supervising Architect,

## PROPOSALS.

Washington, D. C., November 16, 1893. Sealed propo-  
sals will be received at this office until 2 o'clock P. M.  
on the 8th day of December, 1893, and opened imme-  
diately thereafter, for all the labor and materials  
required for the erection and completion (except  
heating apparatus) of the extension to the United  
States Custom-house and Post-office Building at New  
Haven, Conn., in accordance with the drawings and  
specification, copies of which may be had at this office  
or the office of the Superintendent at New Haven,  
Conn. Each bid must be accompanied by a certified  
check for a sum not less than two per cent of the  
amount of the proposal. The right is reserved to  
reject any or all bids, and to waive any defect or in-  
formality in any bid, if it be deemed in the interest  
of the Government to do so. All proposals received  
after the time stated will be returned to the bidders.  
Proposals must be enclosed in envelopes, sealed and  
marked "Proposal for the Erection and Completion  
(except heating apparatus) of the Extension to the  
United States Custom-house and Post-office Building  
at New Haven, Conn.," and addressed to JEREMIAH  
O'ROURKE, Supervising Architect. 936

Treasury Department, Office Supervising Architect,  
Washington, D. C., November 16, 1893. Sealed propo-  
sals will be received at this office until 2 o'clock P. M.  
on the 6th day of December, 1893, and opened imme-  
diately thereafter, for all the labor and materials  
required for the erection and completion of a stable at  
the United States Marine Hospital, Chelsea, Mass.,  
in accordance with the drawing and specification,  
copies of which may be had at this office or the office  
of the Superintendent at Chelsea, Mass. Each bid  
must be accompanied by a certified check for a sum  
not less than two per cent of the amount of the propo-  
sal. The right is reserved to reject any or all bids,  
and to waive any defect or informality in any bid,  
should it be deemed in the interest of the Government  
to do so. All bids received after the time stated will  
be returned to the bidders. Proposals must be enclosed  
in envelopes sealed and marked "Proposal for the  
Erection and Completion of a Stable at the United  
States Marine Hospital, Chelsea, Mass.," and ad-  
dressed to JEREMIAH O'ROURKE, Supervising  
Architect. 936

Treasury Department, Office Supervising Architect,  
Washington, D. C., November 17, 1893. Sealed propo-  
sals will be received at this office until 2 o'clock P. M.  
on the 12th day of December, 1893, and opened imme-  
diately thereafter, for all the labor and materials  
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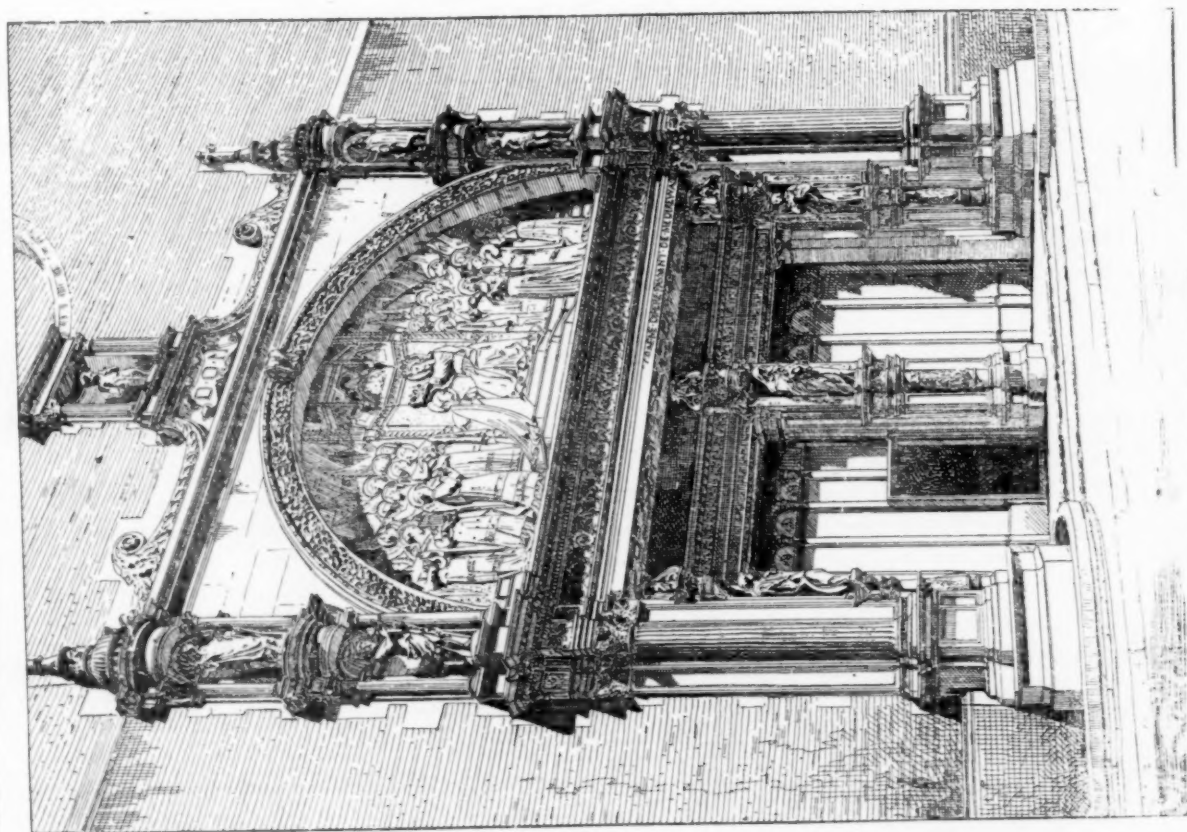
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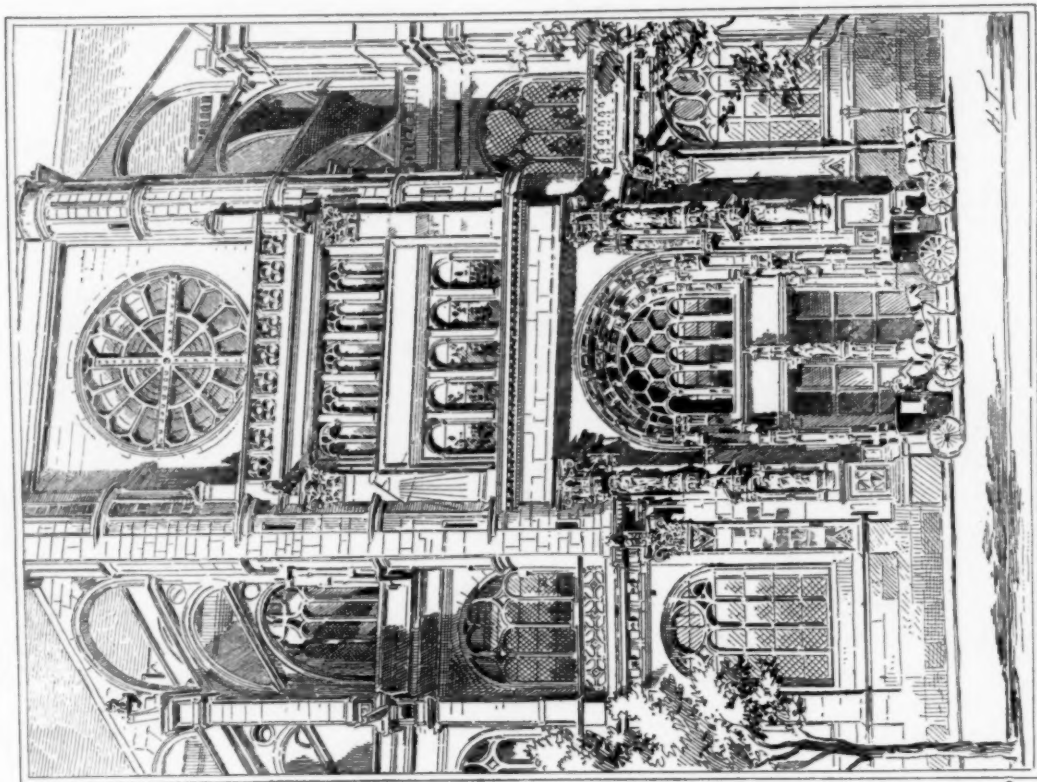
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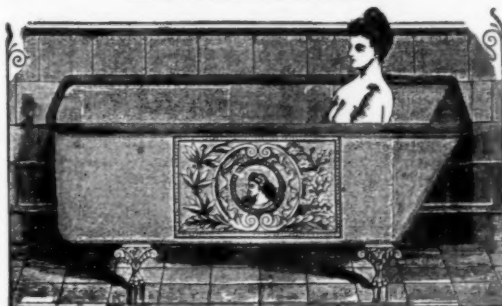


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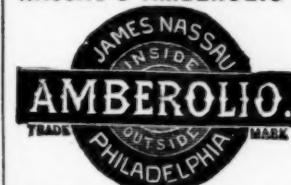


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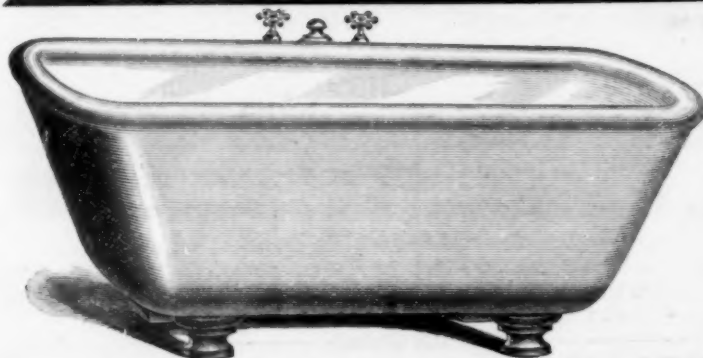
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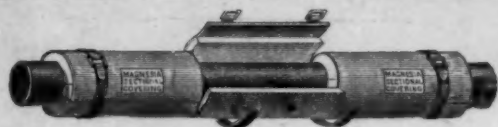
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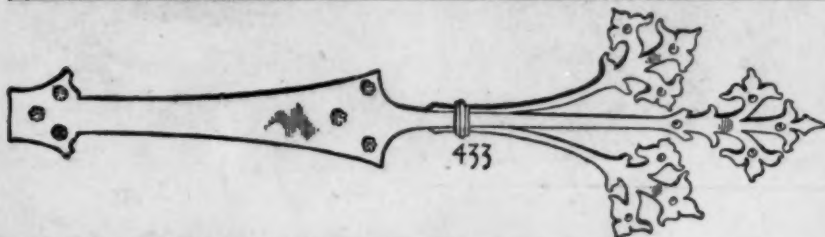
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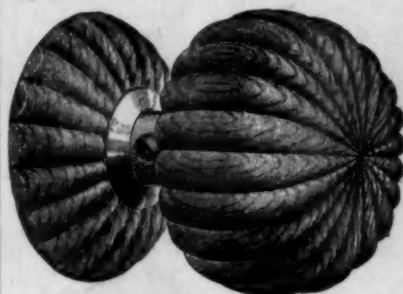
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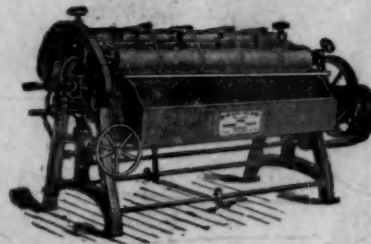
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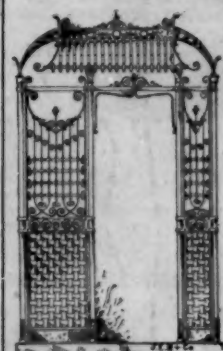
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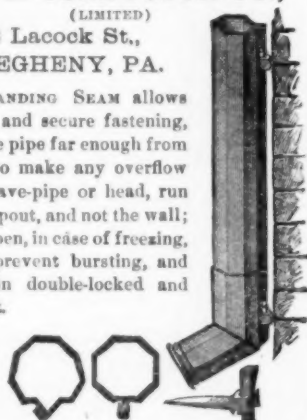
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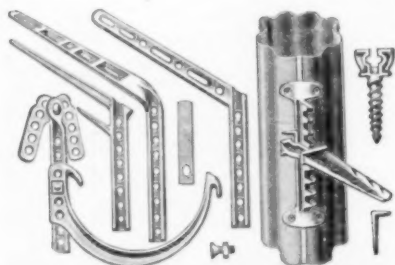
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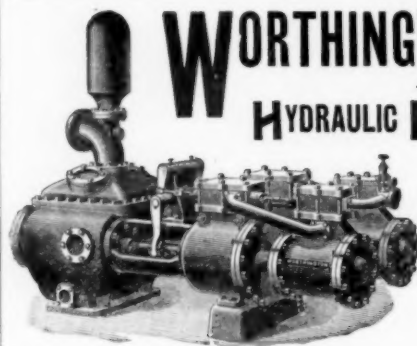
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| Hard-pine floors (rift).....                | @ 45 00             | 45 00 @ 50 00                         |                  |                 |
| Mahogany, Baywood (Mexican).....            | @ 180 00            | 160 00 @ 170 00                       | 110 00 @ 170 00  | 150 00 @ 250 00 |
| " St. Domingo.....                          | @ 350 00            | 120 00 @ 350 00                       | 200 00 @ 250 00  | 200 00 @ 400 00 |
| Maple.....                                  | 45 00 @ 50 00       | 45 00 @ 50 00                         | 12 00 @ 20 00    | 25 00 @ 55 00   |
| Oak, red.....                               | @ 70 00             | @ 50 00                               | 17 00 @ 27 00    | 42 50 @ 55 00   |
| " white.....                                | @ 70 00             | 50 00 @ 55 00                         | 16 00 @ 28 00    | 45 00 @ 55 00   |
| " quartered.....                            | @ 90 00             | 65 00 @ 75 00                         | 34 00 @ 40 00    | 60 00 @ 75 00   |
| Sycamore quartered.....                     |                     | 50 00 @ 65 00                         | 25 00 @ 28 00    | 57 50 @ 65 00   |
| Pine, clear.....                            | 65 00 @ 70 00       | 50 00 @ 75 00                         | 33 00 @ 50 00    | @ 65 00         |
| Redwood.....                                | 60 00 @ 70 00       | 60 00 @ 70 00                         | 40 00 @ 45 00    | 60 00 @ 75 00   |
| Rosewood..... P. ft.....                    | @ 6                 |                                       | per M. 600 00    |                 |
| Spruce floors (clear, kiln-dried).....      |                     | 32 00 @ 35 00                         |                  |                 |
| Walnut, black.....                          | 125 00 @ 150 00     | 85 00 @ 120 00                        | 40 00 @ 75 00    | 50 00 @ 170 00  |
| Whitewood.....                              | 45 00 @ 50 00       | 40 00 @ 45 00                         | 14 00 @ 30 00    | 25 00 @ 40 00   |
| Yellow pine..... P. M.....                  | @ 45 00             | 40 00 @ 42 00                         | 31 00 @ 34 00    | @ 42 00         |

### BRICK.—P. M.

Common: Cargo afloat.

|                                 |                |                 |                  |                       |
|---------------------------------|----------------|-----------------|------------------|-----------------------|
| Pale.....                       | 1 50 @ 2 00    | Eastern {       | Building Brick   | In Yard.              |
| Jersey.....                     | 3 75 @ 4 50    | 9 00 @ 10 00 }  | @ 5 00           | Sq. Hard @ 9 00       |
| Long Island.....                | @              |                 |                  | " @ 7 00              |
| Up River.....                   | 4 25 @ 4 75    |                 |                  | Salmon @ 5 00         |
| Haverstraw Bay 2d.....          | 4 25 @ 4 50    | Domestic Com.   | Indiana Pressed  | Sq. " @ 9 00          |
| " 1st.....                      | 5 00 @ 5 25    | 9 50 @ 10 00    | 14 00 @ 20 00    | Light Stretchers      |
| Hollow.....                     | @ 13 00        | Domestic Face   | St. Louis Fronts | Medium " @ 10 00      |
| <b>Fronts:</b>                  |                |                 |                  |                       |
| Croton, Brown.....              | 9 00 @ 12 00   | 20 00 @ 22 00   | @ 27 00          | Red " @ 12 00         |
| " dark.....                     | 10 00 @ 13 00  | Philadelphia {  |                  | Dark " @ 13 00        |
| " red.....                      | 10 00 @ 13 00  | 40 00 @ 45 00 } |                  | Pressed " @ 13 00     |
| Chicago pressed (Anderson)..... |                | Phila. mould {  |                  | Best Paving " @ 20 00 |
| " Moulded.....                  |                | 50 00 @ 80 00 } |                  | Second " @ 14 00      |
| Baltimore.....                  | 37 00 @ 41 00  |                 | 15 00 @ 27 00    | Third " @ 12 00       |
| Philadelphia.....               | 23 00 @ 24 00  |                 | 65 00 @ 360 00   | Dom. { @ 65           |
| Trenton.....                    | @ 19 00        |                 | 45 00 @ 50 00    | @ 82                  |
| Milwaukee.....                  |                |                 | 45 00 @          |                       |
| Glens Falls Red Pressed.....    | @ 37 00        |                 | 25 00 @          |                       |
| " " Buff.....                   | @ 30 00        |                 | 60 00 @ 100 00   |                       |
| " " Moulded Red & Buff          | 45 00 @ 70 00  |                 | 30 @             |                       |
| Enamelled: Imp.                 |                |                 | 35 @             |                       |
| Enamelled (edge).....           | 85 00 @ 100 00 |                 | 55 00 @ 65 00    |                       |
| Enamelled (edge and end).....   | 90 00 @ 115 00 |                 | @ 100 00         |                       |
|                                 |                |                 | @ 120 00         |                       |

**BUILDING MATERIALS.**

CEMENT, LIME, etc.—(Per cask.)

|                                  |             |
|----------------------------------|-------------|
| Rosendale Cement.....            | 95 @ 1 10   |
| Louisville ".....                | Not sold.   |
| Utica, Akron, Buffalo, Milw'kee. | 2 25 @ 2 50 |
| Portland, English (Gibbs).....   | 2 50 @ 3 00 |
| " " (K. B. & S.).....            | 2 25 @ 2 50 |
| " " Black Cross.....             | 2 50 @ 2 50 |
| " " (Burnham).....               | 2 55 @ 3 00 |
| " " (White's).....               | 3 00 @ 3 75 |
| French (Lafarge).....            | 2 90 @ 3 25 |
| German (Alsen).....              | 2 25 @ 2 40 |
| " " (Fewer).....                 | 2 50 @ 2 90 |
| " " (Vorwöhler).....             | @ 1 45      |
| " " (Lagerhofer).....            | @ 95        |
| " " (Dyckerhoff).....            | @ 1 10      |
| " " (Hanover).....               | @ 1 10      |
| " " Stettin (Anchor).....        | 2 15 @ 2 25 |
| American (Saylor's).....         | 2 75 @ 3 00 |
| Roman.....                       | 4 50 @ 5 30 |
| Keene's coarse.....              | 5 00 @ 5 50 |
| " superfine.....                 | 7 00 @ 9 00 |

Lime:

|                                    |               |
|------------------------------------|---------------|
| Lime of Tell.....                  | 3 50 @ 4 00   |
| Hydraulic Lime.....                | @ 1 45        |
| Chicago Lime in bulk.....          | St. John 1 00 |
| Wisconsin Lime.....                | 85 @ 87 1/2   |
| Rockland and Rockport, (Com.)..    | @ 95          |
| Rockland and Rockport, finish..... | @ 1 10        |
| Kelley Island Lime, finish.....    | @ 1 20        |
| State, com. cargo rates (nom.).... | 80 @ 85       |
| State, finishing.....              | 1 05 @ 1 10   |
| Plaster of Paris (calcined).....   | 1 40 @ 1 50   |
| " (cast).....                      | @ 1 60        |
| Hair (Castile) per bush.....       | 18 @ 21       |
| " (Gosau).....                     | 21 @ 25       |
| Sand, per load.....                | 1 00 @ 1 25   |

STONE: (Per cubic foot, rough.)

|                       |               |
|-----------------------|---------------|
| Granite: (Maine)..... | @ 60          |
| Limestone:            |               |
| Bedford.....          | 45 @ 1 25     |
| Joliet.....           | 1 00          |
| Lamont.....           |               |
| Serpentine.....       | 10 50 per ton |

New York.

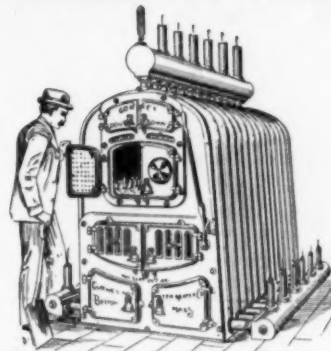
Boston.

Chicago.

Philadelphia.

|                 |                             |
|-----------------|-----------------------------|
| Not sold.       | 1 30 @ 1 50                 |
| 1 05 @ 1 15     | BS&Co 2 75 @ 3 00           |
| 1 00 @ 1 10     | 2 85 @ 3 25                 |
| 3 00 @ 3 10     | 2 85 @ 3 15                 |
| 3 00 @ 3 25     | 2 75 @ 3 00                 |
| 3 00 @ 3 25     | 2 85 @ 3 15                 |
| 3 00 @ 3 25     | 2 75 @ 2 85                 |
| 2 75 @ 4 25     |                             |
| 3 20 @ 3 40     | Hemmoor 2 50 @ 2 75         |
| 2 75 @ 3 00     | 2 75 @ 2 85                 |
| 3 25 @ 3 50     | Josson 2 60 @ 2 75          |
| Not sold.       | 3 00 @ 3 25                 |
| 2 60 @ 2 70     | 2 75 @ 2 85                 |
| 2 75 @ 3 25     | 2 70 @ 3 00                 |
| 9 00 @ 7 00     | 3 00 @ 3 50                 |
| 9 00 @ 10 50    | 6 50 @ 7 00                 |
|                 | 8 00 @ 9 00                 |
| Not sold.       | White Lime per bush 25 @ 30 |
| 60 @ 70         | { White Mash 1 25 @ 1 50    |
| Not sold.       | 1 00 @ 1 00                 |
| Not sold.       |                             |
| 1 00 bulk, 75c. | Not sold.                   |
| Not sold.       | Not sold.                   |
| 1 85 @ 1 90     | 1 50 @ 2 25                 |
| 1 85 @ 1 90     | 1 75 @ 2 50                 |
| 16 @ 20         | 20 @ 25                     |
| 30 @ 35         | 30 @ 35                     |
| @ 60            | @ 1 50                      |
|                 | 55 @ 65                     |
|                 | 75 @ 85                     |
| 3 @ 60          | Richmond 75 @ 1 50          |
| @ 1 00          | Perch 4 50 @ 5 50           |

**The GURNEY "DOUBLE CROWN"**



**HOT WATER HEATER FOR LARGER WORK.**

THIS heater has waterway front and back ends with double return flues at bottom, thus utilizing and exhausting the heat thoroughly before reaching the chimney. The fire is at the top. Water is delivered immediately into the pipes at a high temperature. Has very large grate and heating areas. Send for our trade catalogue. It is most complete and instructive.

**GURNEY HOT-WATER HEATER CO**

163 FRANKLIN ST., BOSTON, MASS.

59 Wabash Ave., Chicago.

JOHNSON & Co., 71 John Street, Selling Agents for New York City and vicinity. J. C. F. TRACHSEL, 246 Arch Street, Selling Agents for Phila. and vicinity.

**Foundation:**

|                               |             |
|-------------------------------|-------------|
| Dimension.....                | 5 00 @ 5 00 |
| Block.....                    | 4 60 @ 5 00 |
| Rubble.....                   | 1 25 @ 1 50 |
| Bluestone: (Per sq. ft.)..... |             |
| Sidewalk.....                 | 30 @ 5 00   |
| Planed.....                   | 50 @ 6 00   |

**Sandstone:**

|                                 |             |
|---------------------------------|-------------|
| Longmeadow.....                 | @ 80        |
| Kibbe.....                      | @ 90        |
| Brown (Connecticut).....        | 1 00 @ 1 00 |
| Amherst Ohio.....               | 90 @ 95     |
| Boca.....                       | 1 75 @ 1 00 |
| Berlin.....                     | 1 75 @ 1 00 |
| Belleville.....                 | 1 80 @ 1 25 |
| New Brunswick (Dorchester)..... | @ 1 00      |
| Caen.....                       | @ 2 00      |
| Carlisle, English (nom.).....   | @ 1 05      |
| Corse Hill (Scotland).....      | @ 1 05      |

**Marble: (Per cu. ft.)**

|                              |               |
|------------------------------|---------------|
| Leo, Mass.....               | @ 1 75 @ 2 50 |
| Rutland, white and blue..... | @ 3 00        |
| Sutherland Falls.....        | 1 25 @ 1 75   |
| Glens Falls, black.....      | @ 2 00        |
| Italian, blue-veined.....    | @ 2 00        |
| " Sienna.....                | @ 2 00        |
| Tennessee, red.....          | @ 2 00        |
| " Knoxville.....             | @ 2 00        |
| Pennsylvania, blue.....      | @ 2 00        |
| Vermont, white.....          | @ 2 00        |

**Slate: Roofing (Per square).**

|                                      |             |
|--------------------------------------|-------------|
| green.....                           | 5 00 @ 6 00 |
| " unfading.....                      | 5 00 @ 6 00 |
| purple.....                          | 5 00 @ 6 00 |
| red.....                             | 5 00 @ 6 00 |
| black, bright.....                   | 4 25 @ 4 75 |
| " Chapmans.....                      | 5 50 @ 8 00 |
| Unfading black, Monson, Me.....      | 5 50 @ 8 00 |
| Tiles, Am. & P. M.....               | @ 2 00      |
| N. Peach Bottom, warranted unfading. | @ 2 00      |

**PAINTS. (In Oil Per lb.)**

|                          |             |
|--------------------------|-------------|
| White lead, Am.....      | 7 @ 7 1/2   |
| " zinc.....              | 6 @ 7       |
| Red lead, Am.....        | 6 @ 10 1/2  |
| " Venetian.....          | 6 @ 10 1/2  |
| " Vermillion.....        | 12 @ 20     |
| " Indian, Eng.....       | 6 @ 15      |
| Yellow Ochre.....        | 12 @ 20     |
| " Chrome.....            | 8 @ 13      |
| Green (chrome).....      | 25 @ 40     |
| Green, Paris.....        | 15 @ 25     |
| Black, lamp.....         | 12 @ 18     |
| Blue, ultramarine.....   | 55 @ 62     |
| Oil, linseed, (raw)..... | 58 @ 65     |
| " boiled.....            | 36 @ 37     |
| Turpentine.....          | 1 50 @ 6 00 |
| Varnish, coach.....      | 2 50 @ 3 00 |
| Shellac.....             | 2 @ 4       |
| Putty.....               | 75 @ 1 00   |
| Whiting.....             | 1 30 @ 2 00 |
| Paris white, (Eng.)..... | 5 @ 6       |
| Litharge, Am.....        | 14 @ 20     |
| Sienna (burnt).....      | 14 @ 20     |
| Umber.....               | 14 @ 20     |

**HARDWARE.**

|                                              |                |
|----------------------------------------------|----------------|
| Nails: (Per Cask.) Spikes, (wrought.)        | @ 2 85         |
| 10d. common.....                             | @ 2 60         |
| Shingle.....                                 | @ 3 35         |
| Lath.....                                    | @ 4 85         |
| (Finishing nails according to size.)         |                |
| (For casing nails add 75 c. per keg.)        |                |
| Butts: 4" x 4".....(Per doz. pairs.)         | @ 1 00         |
| Plain.....                                   | @ 1 50         |
| Acorn.....                                   | @ 1 50         |
| Ball Tip, Boston Finish.....(Per pair).....  | @ 65           |
| Bronze metal.....                            | @ 1 90         |
| Brass (for cupboards).....                   | @ 10           |
| Ebony.....                                   | @ 10           |
| Apple wood.....                              | @ 10           |
| Knobs: (Per set.)                            |                |
| Mineral, best.....                           | @ 8            |
| Lava.....                                    | @ 50           |
| Hemacite.....                                | Not Sold.      |
| Porcelain.....                               | @ 30           |
| Glass, solid.....                            | Not Sold.      |
| Glass, silvered.....                         | Not Sold.      |
| Bronze metal.....                            | 75 @ 2 00      |
| Brass.....                                   | 1 00 @ 2 50    |
| Solder:                                      |                |
| Sheet Lead.....                              | @ 7 1/2        |
| Lead Pipe.....                               | @ 6 1/2        |
| Iron:                                        |                |
| I-Beams, up to and including 30 ft.....      | 3 3-10 @ 3 1/2 |
| do. over 30 ft., 1/2 c. adv. for every 5 ft. | @ 3 1/2        |
| Channel Beams.....                           | 3 3-10 @ 3 1/2 |

**Wholesale Prices.**

**(Prices to Builders and Contractors,**

|  |                   |                   |                        |
|--|-------------------|-------------------|------------------------|
|  | 5 00 @ 5 00       | 20 @ 20           | 5 00 @ 5 00            |
|  | 4 60 @ 5 00       | 1 25 @ 1 50       | Conshocken 1 45 @ 2 50 |
|  | 30 @ 5 00         | 40 @ 1 75         | 1 in. th. 10 @ 25      |
|  | 50 @ 6 00         | @ 75              | 37 @ 50                |
|  | @ 80              | 80 @ 90           | 95 @ 1 05              |
|  | 80 @ 90           | 90 @ 1 10         |                        |
|  | 1 00 @ 1 00       | 1 25 @ 1 45       | 1 05 @ 1 25            |
|  | 90 @ 95           | 90 @ 1 00         | 85 @ 95                |
|  | 1 75 @ 1 00       | 85 @ 90           | 55 @ 75                |
|  | 1 75 @ 1 00       | 80 @ 90           | 85 @ 95                |
|  | 1 80 @ 1 25       | 1 25 @ 1 35       | 1 00 @ 1 10            |
|  | @ 1 00            | 75 @ 90           | 1 05 @ 1 15            |
|  | @ 2 00            | @ 2 00            | 1 25 @ 1 35            |
|  | @ 1 05            | @ 1 05            | 95 @ 1 05              |
|  | @ 1 05            | @ 1 05            | 95 @ 1 05              |
|  | 1 75 @ 2 50       | Not Sold.         | 2 00 @ 2 50            |
|  | @ 3 00            | 3 50 @ 6 00       | 2 00 @ 3 00            |
|  | @ 2 00            | 3 50 @ 6 00       | 1 70 @ 3 00            |
|  | @ 2 00            | Not Sold.         | 4 00 @ 4 50            |
|  | @ 4 40            | @ 4 40            | 2 50 @ 2 75            |
|  | @ 4 40            | @ 4 40            | @ 5 00                 |
|  | 3 50 @ 6 00       | Not Sold.         | 4 00 @ 6 00            |
|  | 5 50 @ 6 10       | 3 50 @ 6 00       | 3 00 @ 4 00            |
|  | 6 50 @ 7 10       | 6 50 @ 7 10       | 2 00 @ 3 00            |
|  | 6 50 @ 7 10       | 12 00 @ 14 00     | 2 25 @ 3 00            |
|  | 6 25 @ 6 85       | 6 25 @ 6 85       |                        |
|  | 7 30 @ 8 00       | 7 30 @ 8 00       |                        |
|  | 6 00 @ 9 00       | 6 00 @ 9 00       |                        |
|  | Not Sold.         | Not Sold.         |                        |
|  | @ 7 1/2           | @ 7 1/2           |                        |
|  | 5 @ 10 1/2        | 5 @ 10 1/2        |                        |
|  | 6 @ 7             | 6 @ 7             |                        |
|  | 1 @ 2 1/2         | 1 @ 2 1/2         |                        |
|  | 65 @ 68           | 65 @ 68           |                        |
|  | 12 @ 20           | 12 @ 20           |                        |
|  | 3 @ 15            | 3 @ 15            |                        |
|  | 15 @ 25           | 15 @ 25           |                        |
|  | 8 @ 20            | 8 @ 20            |                        |
|  | 18 @ 25           | 18 @ 25           |                        |
|  | 8 @ 30            | 8 @ 30            |                        |
|  | 25 @ 40           | 25 @ 40           |                        |
|  | 15 @ 25           | 15 @ 25           |                        |
|  | 18 @ 30           | 18 @ 30           |                        |
|  | 45 @ 45           | 45 @ 45           |                        |
|  | 48 @ 49           | 48 @ 49           |                        |
|  | 34 @ 34           | 34 @ 34           |                        |
|  | 1 50 @ 6 00       | 1 50 @ 6 00       |                        |
|  | 2 50 @ 3 00       | 2 50 @ 3 00       |                        |
|  | 2 @ 4             | 2 @ 4             |                        |
|  | 1 @ 1 1/2         | 1 @ 1 1/2         |                        |
|  | 1 @ 2             | 1 @ 2             |                        |
|  | 6 @ 7             | 6 @ 7             |                        |
|  | 4 @ 16            | 4 @ 16            |                        |
|  | 2 @ 10            | 2 @ 10            |                        |
|  | 2 35 @ 3 50       | 2 35 @ 3 50       |                        |
|  | 1 @ 1 95          | 1 @ 1 95          |                        |
|  | 2 @ 2 35          | 2 @ 2 35          |                        |
|  | @ 3 25            | @ 3 25            |                        |
|  | Add .85 to \$2.25 | Add .85 to \$2.25 |                        |
|  | 50 to .90         | 50 to .90         |                        |
|  | @ 90              | @ 90              |                        |
|  | Not Sold.         | Not Sold.         |                        |
|  | 2 00 @ 3 75       | 2 00 @ 3 75       |                        |
|  | Not Sold.         | Not Sold.         |                        |
|  | 2 00 @ 3 25       | 2 00 @ 3 25       |                        |
|  | @ 12              | @ 12              |                        |
|  | @ 16              | @ 16              |                        |
|  | @ 6               | @ 6               |                        |
|  | 8 @ 10            | 8 @ 10            |                        |
|  | 65 @ 80           | 65 @ 80           |                        |
|  | 31 @ 40           | 31 @ 40           |                        |
|  | 25 @ 30           | 25 @ 30           |                        |
|  | Not Sold.         | Not Sold.         |                        |
|  | @ 1 50            | @ 1 50            |                        |
|  | 50 @ 3 00         | 50 @ 3 00         |                        |
|  | 1 00 @ 3 00       | 1 00 @ 3 00       |                        |
|  | 14 @ 16           | 14 @ 16           |                        |
|  | @ 7               | @ 7               |                        |
|  | @ 6               | @ 6               |                        |
|  | 8 @ 10            | 8 @ 10            |                        |
|  | 65 @ 80           | 65 @ 80           |                        |
|  | 31 @ 40           | 31 @ 40           |                        |
|  | 25 @ 30           | 25 @ 30           |                        |
|  | Not Sold.         | Not Sold.         |                        |
|  | @ 1 50            | @ 1 50            |                        |
|  | 50 @ 3 00         | 50 @ 3 00         |                        |
|  | 1 00 @ 3 00       | 1 00 @ 3 00       |                        |
|  | 14 @ 16           | 14 @ 16           |                        |
|  | @ 7               | @ 7               |                        |
|  | @ 6               | @ 6               |                        |
|  | 8 @ 10            | 8 @ 10            |                        |
|  | 65 @ 80           | 65 @ 80           |                        |
|  | 31 @ 40           | 31 @ 40           |                        |
|  | 25 @ 30           | 25 @ 30           |                        |
|  | Not Sold.         | Not Sold.         |                        |
|  | @ 1 50            | @ 1 50            |                        |
|  | 50 @ 3 00         | 50 @ 3 00         |                        |
|  | 1 00 @ 3 00       | 1 00 @ 3 00       |                        |
|  | 14 @ 16           | 14 @ 16           |                        |
|  | @ 7               | @ 7               |                        |
|  | @ 6               | @ 6               |                        |
|  | 8 @ 10            | 8 @ 10            |                        |
|  | 65 @ 80           | 65 @ 80           |                        |
|  | 31 @ 40           | 31 @ 40           |                        |
|  | 25 @ 30           | 25 @ 30           |                        |
|  | Not Sold.         | Not Sold.         |                        |
|  | @ 1 50            | @ 1 50            |                        |
|  | 50 @ 3 00         | 50 @ 3 00         |                        |
|  | 1 00 @ 3 00       | 1 00 @ 3 00       |                        |
|  | 14 @ 16           | 14 @ 16           |                        |
|  | @ 7               | @ 7               |                        |
|  | @ 6               | @ 6               |                        |
|  | 8 @ 10            | 8 @ 10            |                        |
|  | 65 @ 80           | 65 @ 80           |                        |
|  | 31 @ 40           | 31 @ 40           |                        |
|  | 25 @ 30           | 25 @ 30           |                        |
|  | Not Sold.         | Not Sold.         |                        |
|  | @ 1 50            | @ 1 50            |                        |
|  | 50 @ 3 00         | 50 @ 3 00         |                        |
|  | 1 00 @ 3 00       | 1 00 @ 3 00       |                        |
|  | 14 @ 16           | 14 @ 16           |                        |
|  | @ 7               | @ 7               |                        |
|  | @ 6               | @ 6               |                        |
|  | 8 @ 10            | 8 @ 10            |                        |
|  | 65 @ 80           | 65 @ 80           |                        |
|  | 31 @ 40           | 31 @ 40           |                        |
|  | 25 @ 30           | 25 @ 30           |                        |
|  | Not Sold.         | Not Sold.         |                        |
|  | @ 1 50            | @ 1 50            |                        |
|  | 50 @ 3 00         | 50 @ 3 00         |                        |
|  | 1 00 @ 3 00       | 1 00 @ 3 00       |                        |
|  | 14 @ 16           | 14 @ 16           |                        |
|  | @ 7               | @ 7               |                        |
|  | @ 6               | @ 6               |                        |
|  | 8 @ 10            | 8 @ 10            |                        |
|  | 65 @ 80           | 65 @ 80           |                        |
|  | 31 @ 40           | 31 @ 40           |                        |
|  | 25 @ 30           | 25 @ 30           |                        |
|  | Not Sold.         | Not Sold.         |                        |
|  | @ 1 50            | @ 1 50            |                        |
|  | 50 @ 3 00         | 50 @ 3 00         |                        |
|  | 1 00 @ 3 00       | 1 00 @ 3 00       |                        |
|  | 14 @ 16           | 14 @ 16           |                        |
|  | @ 7               | @ 7               |                        |
|  | @ 6               | @ 6               |                        |
|  | 8 @ 10            | 8 @ 10            |                        |
|  | 65 @ 80           | 65 @ 80           |                        |
|  | 31 @ 40           | 31 @ 40           |                        |
|  | 25 @ 30           | 25 @ 30           |                        |
|  | Not Sold.         | Not Sold.         |                        |
|  | @ 1 50            | @ 1 50            |                        |
|  | 50 @ 3 00         | 50 @ 3 00         |                        |
|  | 1 00 @ 3 00       | 1 00 @ 3 00       |                        |
|  | 14 @ 16           | 14 @ 16           |                        |
|  | @ 7               | @ 7               |                        |
|  | @ 6               | @ 6               |                        |
|  | 8 @ 10            | 8 @ 10            |                        |
|  | 65 @ 80           | 65 @ 80           |                        |
|  | 31 @ 40           | 31 @ 40           |                        |
|  | 25 @ 30           | 25 @ 30           |                        |
|  | Not Sold.         | Not Sold.         |                        |
|  | @ 1 50            | @ 1 50            |                        |
|  | 50 @ 3 00         | 50 @ 3 00         |                        |
|  | 1 00 @ 3 00       | 1 00 @ 3 00       |                        |
|  | 14 @ 16           | 14 @ 16           |                        |
|  | @ 7               | @ 7               |                        |
|  | @ 6               | @ 6               |                        |
|  | 8 @ 10            | 8 @ 10            |                        |
|  | 65 @ 80           | 65 @ 80           |                        |
|  | 31 @ 40           | 31 @ 40           |                        |
|  | 25 @ 30           | 25 @ 30           |                        |
|  | Not Sold.         | Not Sold.         |                        |
|  | @ 1 50            | @ 1 50            |                        |
|  | 50 @ 3 00         | 50 @ 3 00         |                        |
|  | 1 00 @ 3 00       | 1 00 @ 3 00       |                        |
|  | 14 @ 16           | 14 @ 16           |                        |
|  | @ 7               | @ 7               |                        |
|  | @ 6               | @ 6               |                        |
|  | 8 @ 10            | 8 @ 10            |                        |
|  | 65 @ 80           | 65 @ 80           |                        |
|  | 31 @ 40           | 31 @ 40           |                        |
|  | 25 @ 30           | 25 @ 30           |                        |
|  | Not Sold.         | Not Sold.         |                        |
|  | @ 1 50            | @ 1 50            |                        |
|  | 50 @ 3 00         | 50 @ 3 00         |                        |
|  | 1 00 @ 3 00       | 1 00 @ 3 00       |                        |
|  | 14 @ 16           | 14 @ 16           |                        |
|  | @ 7               | @ 7               |                        |
|  | @ 6               | @ 6               |                        |
|  | 8 @ 10            | 8 @ 10            |                        |
|  | 65 @ 80           | 65 @ 80           |                        |
|  | 31 @ 40           | 31 @ 40           |                        |
|  | 25 @ 30           | 25 @ 30           |                        |
|  | Not Sold.         | Not Sold.         |                        |
|  | @ 1 50            | @ 1 50            |                        |
|  | 50 @ 3 00         | 50 @ 3 00         |                        |
|  | 1 00 @ 3 00       | 1 00 @ 3 00       |                        |
|  | 14 @ 16           | 14 @ 16           |                        |
|  | @ 7               | @ 7               |                        |
|  | @ 6               | @ 6               |                        |
|  | 8 @ 10            | 8 @ 10            |                        |
|  | 65 @ 80           | 65 @ 80           |                        |
|  | 31 @ 40           | 31 @ 40           |                        |
|  | 25 @ 30           | 25 @ 30           |                        |
|  | Not Sold.         | Not Sold.         |                        |
|  | @ 1 50            | @ 1 50            |                        |
|  | 50 @ 3 00         | 50 @ 3 00         |                        |
|  | 1 00 @ 3 00       | 1 00 @ 3 00       |                        |
|  | 14 @ 16           | 14 @ 16           |                        |
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|  | 8 @ 10            | 8 @ 10            |                        |
|  | 65 @ 80           | 65 @ 80           |                        |
|  | 31 @ 40           | 31 @ 40           |                        |



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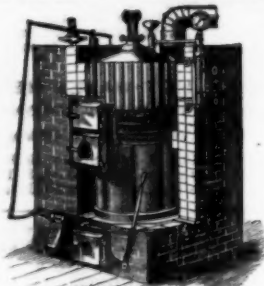
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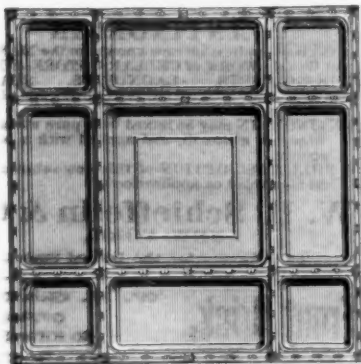
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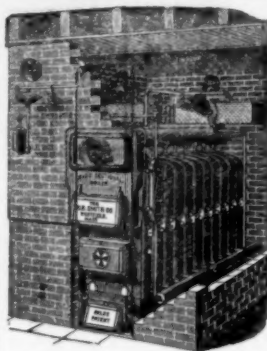
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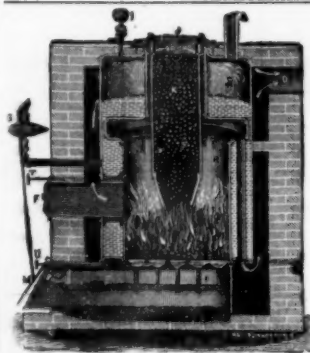
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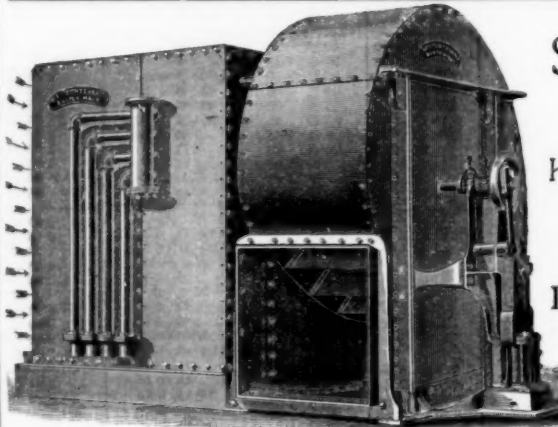
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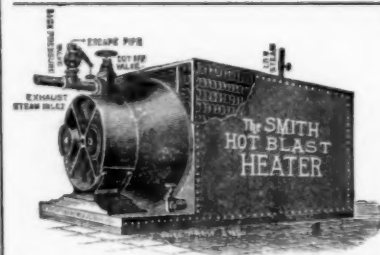
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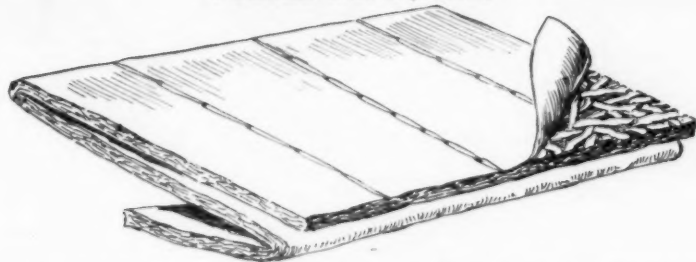
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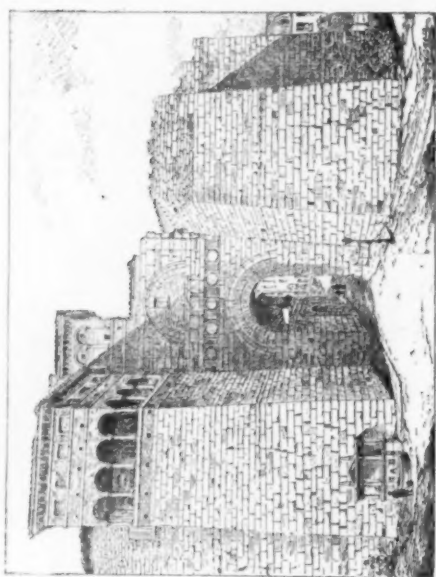
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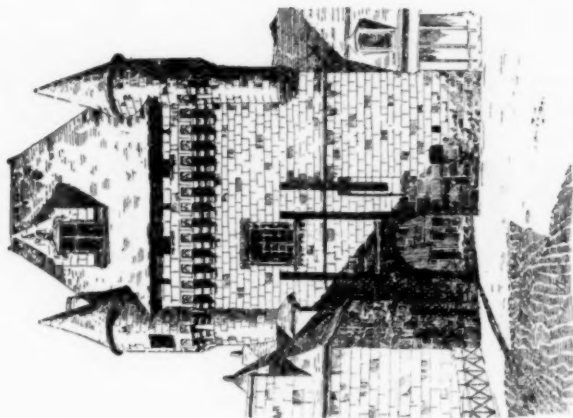
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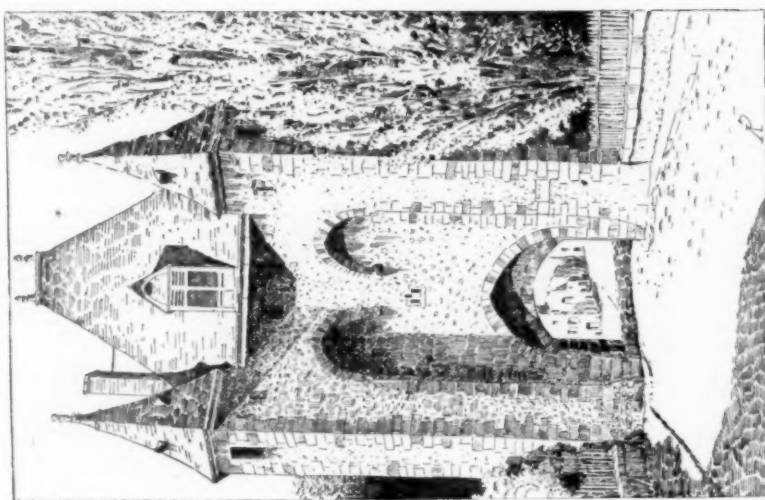




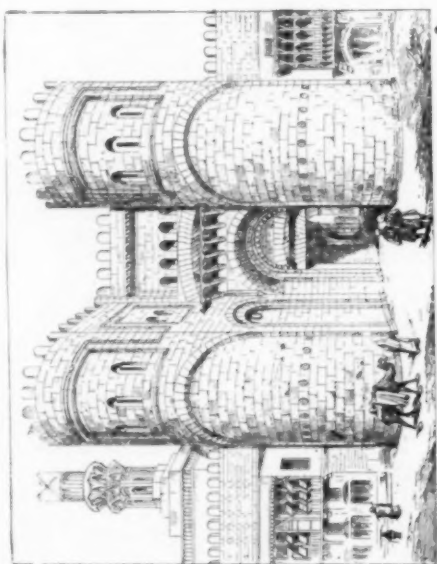
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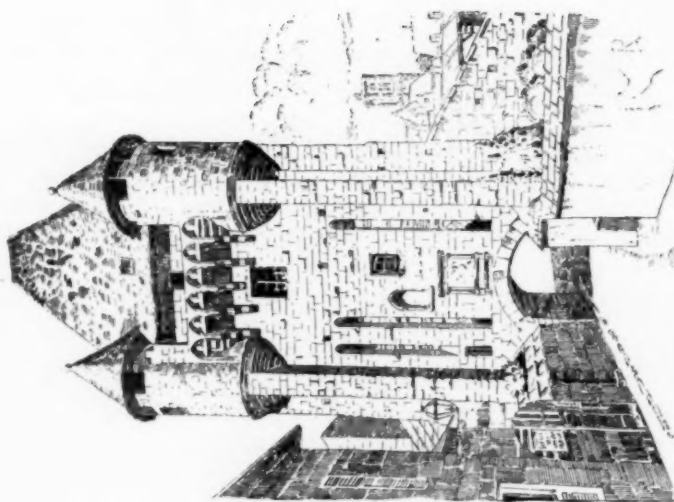
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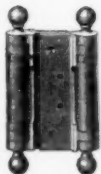
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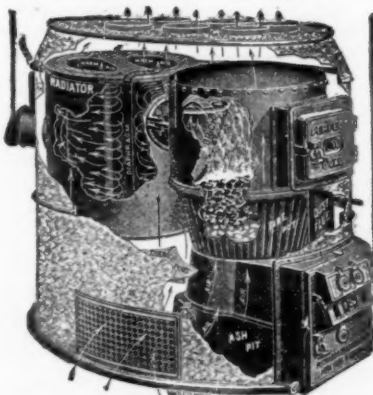
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| 7x2 1/2                             | 1 to 1 3/4     | 5        | in. | 125               |  | 125            | 145  |                |  |
| 7x2 1/2                             | 1 to 1 3/4     | 6        | in. | 126               |  | 126            | 146  |                |  |
| 8x2 1/2                             | 1 1/4 to 1 3/4 | 7        | in. | 127               |  | 127            | 147  |                |  |
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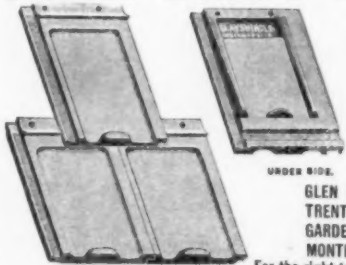
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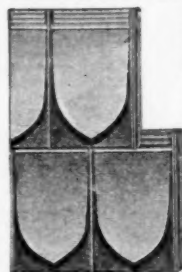
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Hoyt; architect, R. M. Hunt, Metropolitan Life Building.  
Eighty-eighth St., 396 e Amsterdam Ave., 3 four-st'y brick dwells., tin roofs; cost, \$45,000; owner, James B. Gillie, 111 West One Hundred and Thirty-first St.; architects, Neville & Bagge, 317 West One Hundred and Twenty-fifth St.  
Eighty-second St., s s, 125 w West End Ave., 3 four-st'y brick dwells., mansard, tile and tin roofs; cost, \$54,000; owner, W. E. Lauchant, 301 West Eighty-ninth St.; architect, Clarence True, 102 West Eighty-first St.  
Briggs Ave., s s, 245 e South Boulevard, three-st'y stone and frame dwell., slate roof; cost, \$3,000; owner, Lisette Wallace, Bedford Park; architect, F. W. Feeder, 239 Broadway.  
Decatur Ave., No. 171, three-st'y brick and frame dwell., shingle and tin roof; cost, \$3,000; owner, W. A. Cannon, 296 Mott Ave.; architect, E. B. Morrison, 541 East One Hundred and Fifty-fourth St.  
Webster Ave., s s, 75 n Mosholu Parkway, three-st'y stone and frame dwell.; cost, \$4,200; owner, Abby Runk, s w cor. Southern Boulevard and Webster Ct.; architect, Wm. J. Garvin, 3311 Third Ave.  
Beach Ave., e s, 87 s One Hundred and Fifty-sixth St., three-st'y stone and frame dwell., tin roof; cost, \$3,500; owner, Fredwell Ketcham, 447 Willis Ave.; architect, John De Hart, Fox St., near One Hundred and Sixty-fifth St.  
One Hundred and Sixty-fourth St., s s, 150 e Morris Ave., three-st'y brick and frame dwell., tin roof; cost, \$5,000; owner, Richard H. Moran, 29 Gouverneur St.; architect, B. F. Fisher, 721 East One Hundred and Sixty-fourth St.  
Oxford, Pa. — Brick dwell.; owner, O. R. McHenry.  
Philadelphia, Pa. — McKean St., w Eleventh St., 3 two-st'y dwells.; owners, Mowbray Bros., 1826 South Broad St.  
Moyamensing Ave., Nos. 15-17-19, 2 three-st'y dwells.; owner, J. Lilly, 1222 Snyder Ave.  
Hoboken St., n Twenty-seventh St., three-st'y dwell.; contractor, Wm. H. Wilson, Mt. Airy Ave.  
Amber St., n e cor. Monmouth St., 14 two-st'y dwells.; owner, C. C. Moore, 2001 Broad St.  
Ninth St., s Indiana Ave., 3 two-st'y dwells.; owners, J. M. Cassell & Son, 2323 North Eighth St.  
Carlton and Seventeenth Sts., three-st'y dwell.; contractors, Saunders & Son, 22 North Twenty-second St.  
Schiller St., w Tenth St., two-st'y dwell.; owner, J. Bossart, Rising Sun Ave. and Tioga St.  
Ninth St., s Clearfield St., 11 two-st'y dwells., three-st'y dwell.; owner, J. C. Oschbacher, 1542 West Cumberland St.  
North Sixth St., No. 6610, three-st'y dwell.; contractor, E. J. Kirby, 334 South Fifteenth St.  
Clarence St., w Twenty-sixth St., 2 two-st'y dwells.; owner, J. Hagen, 2602 Clarence St.  
Pittsburgh, Pa. — Wallingford St., brick dwell.; owner, W. W. Watters.  
Worcester, Mass. — Barry Ave., one-and-one-half-st'y frame dwell.; owner, John S. Smith; day-work.  
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**STABLES.**  
Ambler, Pa. — Stone and frame stable; owner, J. D. Cooper.  
Baltimore, Md. — Jno. W. Crutt, two-st'y brick stable, w s Eden St., s Lombard St.  
Bradley Beach, N. J. — Stable; owner, R. D. Bradner; architect, Charles P. Baldwin, Prudential Building, Newark, N. J.  
Brooklyn, N. Y. — West St., e s, 50 s Freeman St., two-st'y brick stable and dwell., gravel and slate roof; cost, \$5,775; owners, National Mahogany and Cedar Co., 202 Lewis St., New York City; architect, Philemon Tillion, 2109 Manhattan Ave.  
Chicago, Ill. — L. G. Fisher, two-st'y stable, Seventy-ninth St. and Cottage Grove Ave.; cost, \$8,000.  
New York, N. Y. — Eighty-seventh St., e West End Ave., five-st'y brick stable; cost, \$50,000; architect, F. G. Petham, 1481 Broadway.  
Philadelphia, Pa. — Fairview St., bet. Seventh and Eighth Sts.; one-st'y stable; contractor, H. Loudon.  
Seventy-eighth St., w Laycock St., one-st'y stable; owner, M. Rosenfeld, 780 Laycock St.  
Franklin St., n Foulikrod St., one-st'y stable; contractor, Elias Chase, Genn and Hedge Sts.  
Oxford St., w Bailey St., two-st'y stable; contractor, O. R. Roth, 2333 North Twenty-ninth St.  
Bancroft St., s McKean St., two-st'y stable; owner, F. A. Robinson, 2306 South Ninth St.  
Washington St., w Trenton R. R., two-st'y stable; contractor, W. C. Brier, 2145 Frankford St.  
Seventieth St., w Lincoln St., two-st'y stable; contractor, P. R. Dill, 2328 East Cumberland St.  
Seventy-seventh St. and Botanic Ave., one-st'y stable; owner, H. McMillan.



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st'y frame stable; owner, J. A. Twomey; contractor,  
P. J. McGrath.  
Evers St., one-and-one-half-st'y frame stable;  
owner, Chas. Martin; day-work.

## STORES.

Baltimore, Md. — E. M. Mitchell, three-st'y brick  
store and dwell., n e cor. Oak St. and North Ave.Brooklyn, N. Y. — Sixth Ave., e s, 75 n Sterling Pl.,  
four-st'y brick store and dwell., tin roof; cost,  
\$8,000; owner, Della Sperrin, 86 Sterling Pl.; archi-  
tects and builders, Delaney & Collins, 936 Pacific  
St.Eastern Parkway, s s, 50 e Stone Ave., 2 three-  
st'y frame stores and dwells., tin roofs; cost, \$5,000  
each; owners, A. Mandelbaum and D. Rose, Sack  
man St. near Blake Ave.Flushing Ave., s s, 139 e Knickerbocker Ave.,  
4 three-st'y frame stores and dwells., tin roofs; cost,  
\$4,500 each; owner and builder, Jos. Weidner, 234  
Irving Ave.; architect, Geo. Hillerbrand, 218  
Bleecker St.Chicago, Ill. — C. White, 2 four-st'y store and flats,  
4547 State St.; cost, \$30,000.Charles Miller, 4 four-st'y store and flats, 347-349  
Wells St.; cost, \$30,000.Frank Urson, two-st'y stores and flats, 3554 Cott-  
age Grove Ave.; cost, \$15,000.Samuel Blumer, three-st'y store and flats, 397  
Clybourn Ave.; cost, \$3,000.Edwin Whiteway, three-st'y store and flats, 1174  
West Harrison St.; cost, \$8,000.W. H. Schmidigan, four-st'y store and flats, 147  
Milton Ave.; cost, \$17,000.James Mikata, three-st'y store and flats, 3559  
Vernon Ave.; cost, \$5,500.H. Peters, 2 three-st'y store and flats, 943-947  
Racine Ave.; cost, \$6,000.Gustaf Pelaski, three-st'y store and flats, 6006  
South Halsted St.; cost, \$5,000.Joseph O. Grady, two-st'y store and flats, 12 Pear-  
son St.; cost, \$5,000.L. M. Nelson, three-st'y store and flats, 428 Twenty-  
sixth St.; cost, \$4,000.Detroit, Mich. — Three-st'y brick and stone store  
and apartment-house; cost, \$20,000; owners, J. R. &  
R. J. McLaughlin, 5 Moffatt Building; architects,  
A. C. Varney & Co., 50 Campan Building.New York, N. Y. — Columbus Ave., Nos. 466-468,  
three-st'y brick store, tin roof; cost, \$15,000; owner,  
John G. Williamson, 160 East Forty-sixth St.; archi-  
tect, G. F. Pelham, 1481 Broadway.Philadelphia, Pa. — Ninth St., below Girard Ave.,  
two-st'y brick store; contractors, Ralph & Gregg.  
Market St., w Thirtieth St., 2 two-st'y stores; con-  
tractors, Armstrong & Printsinghoff.Columbia Ave., w Twelfth St., 4 three-st'y stores  
and dwells.Broad St., below Washington Ave., five-st'y store;  
contractor, M. A. Dempsey, Eleventh and Fitzwater  
Sts.South Second St., No. 252, store; architect, S.  
Milligan, 520 Walnut St.Sedgeley Ave., n Diamond St., one-st'y store; con-  
tractor, J. B. Young, 2121 Ridge Ave.Greenwich Point, one-st'y frame store; owners,  
Sharples & Carpenter, 114 South Delaware Ave.St. Louis, Mo. — Two-and-one-half-st'y store and  
dwell., n w cor. Cherokee and Salena Sts.; cost,  
\$7,500; owner, Ada Swift; contractor, M. C. Yeimer.

## TENEMENT-HOUSES.

New York, N. Y. — One Hundred and Twenty-fifth  
St., s s, 3 five-st'y brick tenements, tin roof; cost,  
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Atlantic City, N. J. — North Michigan Ave., No. 15,  
three-st'y lodge-room building; contractor, J. Hicks.Brooklyn, N. Y. — Grand St., Nos. 225-227, four-st'y  
brick building; cost, \$15,000; owners, Walen Bros.;  
architect, H. Vollweiler, 483 Hart St.Chicago, Ill. — Swift & Co., two-st'y market, 1333-  
1341 West Madison St.; cost, \$16,000.George Hutchinson, brick wall, 198 South Des-  
plaines St.; cost, \$3,000.Mutual Fuel Gas Co., two-st'y storage and flats,  
251 Forty-first St.; cost, \$2,000.Chicago Fire Department, two-st'y engine-house,  
144-146 Noble St.; cost, \$3,000.Chicago Fire Department, two-st'y engine-house,  
8650 Emerald Ave.; cost, \$3,000.Detroit, Mich. — Three-st'y brick building to be  
built for the Board of Health; cost, \$1,000; archi-  
tects, E. A. Walshe & Son.Clifford St. and Park Pl., five-st'y brick building;  
cost, \$20,000; owner, A. A. Schantz; architects, E.  
A. Walshe & Son.Jersey City, N. J. — Greenville Turn Verein, brick  
and frame public hall and gymnasium; architect, J.  
Broome, 70 Linden Ave.New York, N. Y. — Pike St., No. 53, seven-st'y brick  
workshop, tin roof; cost, \$10,000; owner, Nathan  
Ferber, 156 Madison St.; architect, Charles Rentz,  
153 Fourth Ave.Philadelphia, Pa. — Cuba St., s Morris St., one-st'y  
shop; owner, Wm. B. Smith, 1621 Mt. Vernon St.Ninth St., n Morris St., two-st'y shop; owner, H.  
Moreland.Chestnut St., w Thirty-first St., two-st'y shop;  
contractor, A. A. Campbell, 2012 Poplar St.Pittsburgh, Pa. — Fifty-fifth St., brick buildings; cost,  
\$18,000, also on Forty-seventh St., to cost \$5,000;  
contractors, Hoover, Hughes & Co.South Bethlehem, Pa. — Birch and Fourth Sts., 2  
four and two-st'y brick buildings; cost, \$150,000;  
owners, Lehigh Valley Cold Storage and Ice Manu-  
facturing Co.; contractors, Kreiss & Stupp, Reading,  
Pa.St. Louis, Mo. — Tower on store-building, w s Broad-  
way, bet. Franklin Ave. and Morgan St.; cost,  
\$4,300; owner, Knox Estate; contractors, McFar-  
land & Cochran.

## PROPOSALS.

Treasury Department, Office Supervising Architect,  
Washington, D. C., November 22, 1893. Sealed propo-  
sals will be received at this office until 2 o'clock P. M.  
on the 19th day of December, 1893, and opened immedi-  
ately thereafter, for all the labor and materials  
required for the erection and completion (except  
heating apparatus) of the United States Custom-  
house and Post-office building at Sheboygan, Wis., in

## PROPOSALS.

accordance with the drawings and specification, copies  
of which may be had at this office or the office of the  
Superintendent at Sheboygan, Wis. Each bid must  
be accompanied by a certified check for a sum not  
less than two per cent of the amount of the propo-  
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it be deemed in the interest of the Government to do  
so. All proposals received after the time stated will  
be returned to the bidders. Proposals must be enclosed  
in envelopes sealed and marked "Proposal for the  
Erection and Completion (except Heating Apparatus)  
of the United States Custom-house and Post-office  
Building at Sheboygan, Wis.," and addressed to  
JEREMIAH O'ROURKE, Supervising Architect.

937

Treasury Department, Office Supervising Architect,  
Washington, D. C., November 22, 1893. Sealed propo-  
sals will be received at this office until 2 o'clock P. M.  
on the 15th day of December, 1893, and opened imme-  
diately thereafter, for all the labor and materials  
required for the cut-stone and brickwork, ironwork,  
wood floor, ceiling and roof construction and roof-  
covering for the superstructure of the United States  
Custom-house and Post-office building at St. Albans,  
Vt., in accordance with the drawings and specifica-  
tion, copies of which may be had at this office or the  
office of the Superintendent at St. Albans, Vt. Each  
bid must be accompanied by a certified check for a  
sum not less than two per cent of the amount of the  
proposal. The right is reserved to reject any and all  
bids, and to waive any defect or informality in any  
bid, if it be deemed in the interest of the Government  
to do so. All proposals received after the time stated  
will be returned to the bidders. Proposals must be  
enclosed in envelopes, sealed and marked "Proposal  
for the Cut-stone and Brickwork, etc., for the Super-  
structure of the United States Custom-house and  
Post-office Building at St. Albans, Vt.," and addressed to  
JEREMIAH O'ROURKE, Supervising Architect.

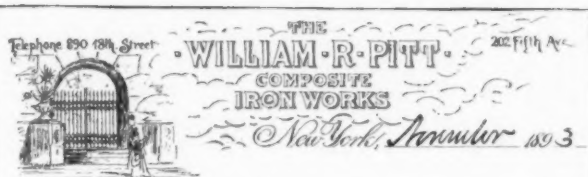
937

To Builders. Office of the Light-house Engineer,  
Third District, Tompkinsville, N. Y., November 22,  
1893. Proposals will be received at this office until 12  
o'clock noon, Thursday, the 14th day of December,  
1893, for furnishing the materials and labor of all  
kinds necessary for the erection and delivery of the  
Rockland Lake Light-house, Hudson River, New  
York. Plans, specifications, forms of proposal, and  
other information may be obtained on application to  
this office. The right is reserved to reject any or all  
bids, and to waive any defects. D. P. HEAP, Major  
of Engineers, U. S. A., Light-house Engineer.

937

To Iron Manufacturers. Office of the Light-house  
Engineer, Third District, Tompkinsville, N. Y., No-  
vember 22, 1893. Proposals will be received at this  
office until 12 o'clock noon, Thursday, the 14th day  
of December, 1893, for furnishing the materials and  
labor of all kinds necessary for the completion and  
delivery of the metal-work of the Rockland Lake  
Light-house, Hudson River, New York. Plans, specifi-  
cations, forms of proposal, and other information  
may be obtained on application to this office. The  
right is reserved to reject any or all bids and to waive  
any defects. D. P. HEAP, Major of Engineers, U. S.  
A., Light-house Engineer, Third District.

937



Gentlemen

We have a choice collection of East India Metal Goods from the Worlds Fair

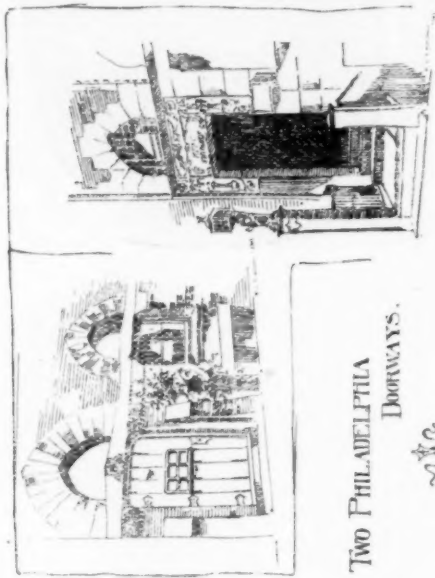
This collection embraces some beautiful examples of Moradabad, Sealcote, Benares-brass, Cashmere-copper, and Old Arms, carefully selected for their novelty and artistic merit.

Architects and all who are interested in objects of art should call on us and see these goods even if they do not intend to purchase. Sincerely Truly,

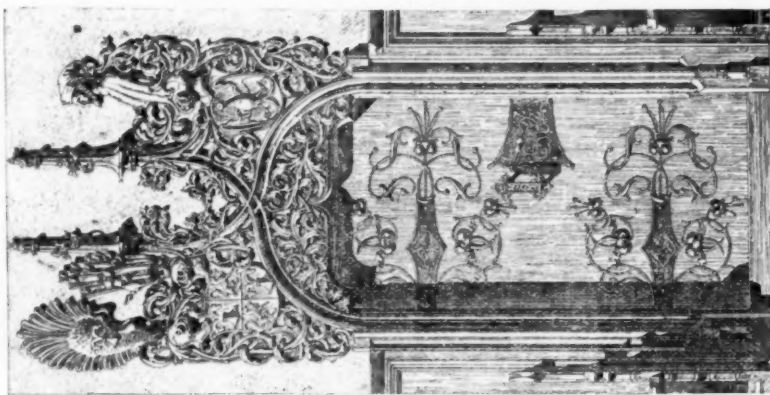
W. R. Pitt



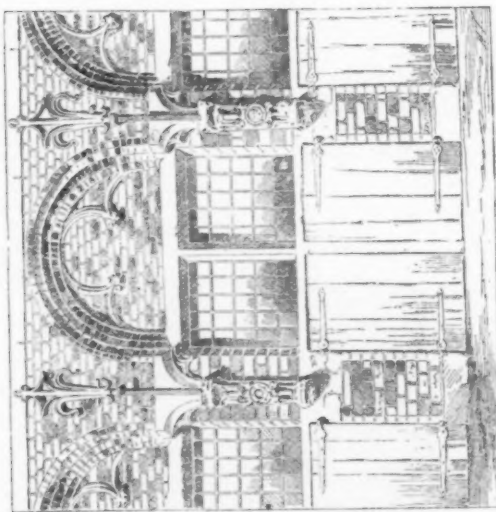




TWO PHILADELPHIA  
DOORWAYS.  
J. C.



Doorway at Schloss Traitzberg.



Doorway in the Court of the Town-hall, Nymegen, Belgium.



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# The . . J. L. Mott Iron . . Works, .

84 to 90 Beekman Street,  
New York.

## ROLL-RIM, PORCELAIN KITCHEN SINK With Recessed Legs.

(PATENT APPLIED FOR)

A GREAT DESIDERATUM IN MODERN PLUMBING IS TO HAVE THE VARIOUS APPLIANCES SET OPEN AND ACCESSIBLE, AND WHEREVER POSSIBLE WITHOUT CABINET WORK. IN THE SINK SHOWN THE ROLL-RIM REQUIRES A WOOD TOP OR CAPPING UNNECESSARY THEREBY MAKING A MORE DESIRABLE ARTICLE IN A SANITARY POINT OF VIEW, AND ADDING MATERIALLY TO ITS FINE APPEARANCE.

Interested parties are invited to visit our showrooms and examine these and other sanitary appliances.

Illustrated Price List mailed on application.

ARCHITECTS, BUILDERS and PLUMBERS  
SHOULD EXAMINE THE  
**Du Bois "SAFETY" TRAP**  
*An Entirely New Article in the Plumbing Line.*

This Trap is made of brass, either polished or nickel-plated, in one size only (1½ inch). It is the only Trap having an appliance that will keep sewer-gas out of vacant houses and unused rooms.

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For the finest, first-class work; made only of bronze composition, and all plating is extra heavy; has no packing and yet never leaks.

### DRAWN LEAD TRAPS AND BENDS.

## McCLELLAN Anti-siphon Trap Vent.

This Vent affords absolute security against trap siphonage in all situations and under all conditions liable to occur in plumbing practice.  
Used exclusively in the Lavatories in the Buildings of the World's Fair, Chicago.

For Descriptive Catalogue, address

**Du Bois Manufacturing Co.,**  
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New  
Form, with  
Glass  
Bottom.

Put into the White House by the U. S. Government.

**SEALS WITH OR WITHOUT WATER**

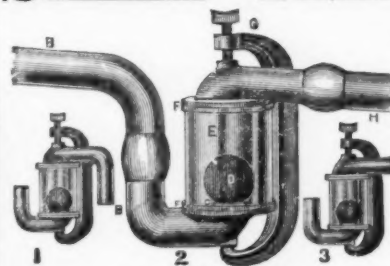
**CUDELL**  
Anti-Syphon Trap

**CUDELL TRAP**  
S. I. S. I. S. B.

For venting, use vent-top. For venting, use vented outlet.

**F. E. CUDELL'S  
PATENT SEWER-GAS AND BACK-WATER TRAP.**  
For Wash-Bowls, Sinks, Bath and Wash-Tub  
West Cleveland, O.

## BENBOR SYPHON TRAP.



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WITHOUT EXCEPTION THE  
**BEST**  
IN THE MARKET.

MANUFACTURED ONLY BY

**HAINES, JONES & CADBURY CO.,**  
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PHILADELPHIA, PA.  
Prices reduced. Send for New Circular.

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ALL OTHERS

PAINTED, GALVANIZED, ENAMELLED.

Send for descriptive circular and prices, to  
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PLAIN AND CORRUGATED  
CURVED TO ANY RADIUS  
CORRUGATED ARCHES & GROINED CEILINGS

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METALLIC  
SKYLIGHTS  
LATHING.**  
71-8TH AVE.  
AND  
NEW YORK, U.S.A.  
SEND FOR CATALOGUE.





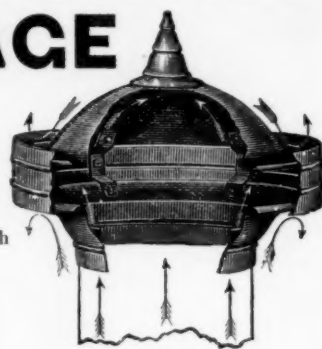
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is soon cured, if the smoke blows down the chimney.

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by clearing the sluggish flues, and causing the fires to burn with constancy.

**GLOBE VENTILATOR CO.,  
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BUILDERS  
AND OWNERS.

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As a Lining in Walls and Floors for preventing the  
ESCAPE OF WARMTH AND THE DEADENING OF SOUND.  
SAMPLES AND CIRCULARS FREE.  
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ADDRESS  
Editors of the American Architect.

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## FRONT BRICK

BUFF, BROWN, MOTTLED YELLOW,  
GRAY, OLD GOLD AND  
OTHER COLORS.

BOSTON  
TERRA-COTTA  
COMPANY.

Architectural Terra-cotta

In all its varied colors and forms.

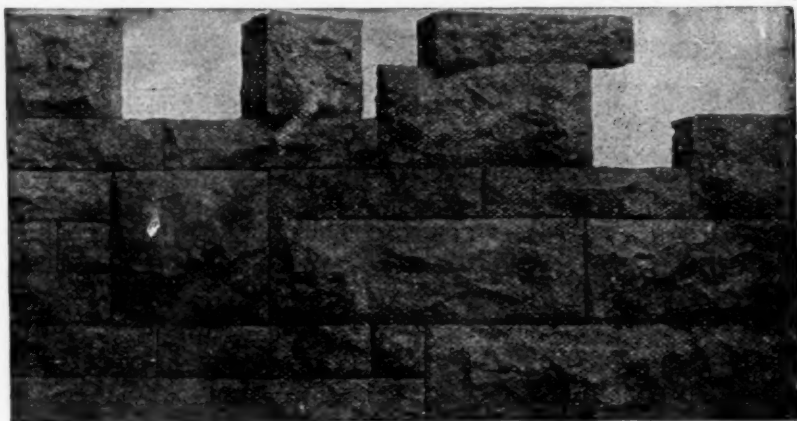
**FISKE, HOMES & CO.,**

MANAGERS,

Factories on Federal Street and  
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Times Building, Park Row, New York.  
927 Chestnut St., Philadelphia.

The Boston Brick Ashlar.



G. M. FISKE'S PATENTS, 415,772, 415,773 and 415,774. November 26, 1889.

This new and unique form of Brick or Terra-cotta Work is furnished  
in all colors known in clay manufacture, and in great variety  
of form and finish, by the following

LICENSEES.

FISKE, HOMES & CO., Boston, Mass.; New York Office, Times Building  
THE NORTHWESTERN TERRA-COTTA CO., Chicago, Illinois.

[See Alphabetical Index on Cov. 3 for Pagination.]

## Classified Advertisements.

[Advertisers can be indexed only under a single head free of charge].

**Air Valves.**  
Hodge Iron, Boston, Mass.  
**Antimennin.**  
W. H. Schmitt & Co., New York, N. Y. (cow)  
**Annunciators.**  
W. R. Ostrander & Co., New York.  
**Architects.**  
Bailey & Truscott, Philadelphia, Pa. (mon)  
**Architect's Materials.**  
Frost & Adams, Boston. (cow)  
**Architectural Sheet-Metal Ornamental Works.**  
W. H. Mullins, Salem, O.  
**Artificial Stone.**  
Washburn & Co., New York, N. Y. (cow)  
**Asbestos Felt & Boiler Coverings.**  
H. W. Johns Mfg. Co., New York.  
**Asbestos Felt.**  
H. F. Watson Co., Erie, Pa.  
**Asbestos Paint.**  
H. W. Johns Mfg. Co., New York.  
**Asphalt.**  
Beuchamp Asphalt Co., New York.  
New York Mastic Works, New York, N. Y.  
**Asphalt Roofing.**  
Warren Chemical & Mfg. Co., New York.  
**Basin Cocks.**  
Stebbins Mfg. Co., Brighton, Mass. (cow)  
**Bath-Tub.**  
Fred. F. Buschhoff & Co., Chicago, Ill. (mon)  
Miller & Coates, New York.  
J. L. Mott Iron Works, New York.  
**Bells.**  
Blake Bell Co., Boston, Mass.  
U. S. Tubular Bell Co.  
**Blue Prints.**  
Spaulding & Moss, Boston, Mass. (cow)  
**Boilers.**  
Babcock & Wilcox Co., New York.  
Randolph & Clowes, Waterbury, Conn.

**Books and Journals.**  
Babcock & Wilcox Co., New York.  
Century Co., New York, N. Y.  
Wm. T. Comstock, New York.  
Hessling & Spielmeier, New York, N. Y.  
Teknor & Co., Boston.  
**Brass Goods.**  
J. B. Shannon & Sons, Philadelphia. (mon)  
**Brick (Colored).**  
Jarden Brick Co., Philadelphia, Pa.  
**Brick (Ornamental).**  
Fleming Cement & Brick Co., New York. (cow)  
W. H. Gates, Boston, Mass. (cow)  
Hydraulic Press Brick Co., St. Louis.  
Fearless Brick Co., Philadelphia, Pa.  
Waldo Bros., Boston.  
**Bronze Work.**  
M. J. Power, New York.  
**Brass and Brass Work.**  
Paul E. Cabaret, New York, N. Y.  
**Building Felt (Fire and Waterproof).**  
H. W. Johns Mfg. Co., New York.  
**Building Papers.**  
H. F. Watson Co., Erie, Pa.  
**Ceilings (Metal).**  
New York Metal Ceiling Co., New York, N. Y.  
H. S. Northrop, New York, N. Y.  
The Kinnear & Gager Co., Columbus, O. (cow)  
**Cement (Hydraulic).**  
F. O. Norton Cement Co., N. Y.  
**Cement.**  
Alsen's Cement Works, New York, N. Y. (cow)  
Brooks, Shubbridge & Co., New York.  
Fleming Cement & Brick Co., New York. (cow)  
Johnson & Wilson, New York.  
Lawrence Cement Co., New York, N. Y.  
E. Thiele, New York, N. Y.  
**Chrome Steel Castings.**  
Chrome Steel Works, Brooklyn, N. Y. (cow)

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Clay Shingle Co., Indianapolis, Ind.  
**Conductors (Water).**  
W. Austin Odyke & Co., Philadelphia.  
Boston Spiral Tube Works, Boston.  
Seiderless Standing-Beam Conductor Co., Allegheny, Pa.  
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**Contracting.** Flynt Building & Construction Co., Palmer, Mass.  
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Samson Cordage Works, Boston. (cow)  
**Crocodile Stairs.**  
S. Cabot, Boston, Mass.  
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H. W. Johns Mfg. Co., New York, N. Y.  
**Decorators.**  
Lane Bros. Foughkeepsie, N. Y.  
Donald McDonald, Boston.  
**Door Hangers.**  
J. B. Bardeley, New York, N. Y.  
**Drawing Ink.**  
Chas. M. Higgins, Brooklyn, N. Y.  
**Drawing Instruments.**  
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Graves Elevator Co., Rochester, N. Y.  
Volney W. Mason & Co., Providence, R. I.  
Moore & Wyman, Boston.  
More, Williams & Co., Philadelphia.  
Otis Brothers & Co., New York.  
Springfield Foundry Co., Springfield, Mass.  
Standard Elevator Co., Chicago, Ill.  
Whittier Machine Co., Boston.

**Elevator Cars and Enclosures.**  
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The Engineering Employment Bureau.  
**Fan (Ventilating).**  
Huyett & Smith Mfg. Co., Detroit, Mich.  
**Fireproof Building.**  
Henry Maurer, New York.  
Pioneer Fireproof Construction Co., Chicago, Ill.  
**Fireproof Construction.**  
Gustavino Fireproof Construction Co., N. Y.  
**Fireproof Lathing.**  
Hayes Metallic Lathing, New York.  
**Floors (Hardwood).**  
The Interior Hardwood Co., Indianapolis, Ind.  
**Floors (Inlaid).**  
National Wood Mfg. Co., N. Y.  
**Gas-Machines.**  
Tirrell Gas-Machine Co., New York.  
**Gates.**  
Wm. B. Pitt, New York, N. Y. (mon).  
**Glass (Bent).**  
M. A. Smith, Newark, N. J. (mon)  
**Glass (Stained and Ornamental).**  
Maitland Armstrong & Co., New York.  
Matthews Decorative Glass Co., New York.  
Tiffany Glass & Decorating Co., New York.  
**Grates, etc.**  
E. A. Jackson & Bro., New York, N. Y.  
Wm. H. Jackson & Co., New York.  
**Hard Oil Finish.**  
Berry Bros., Detroit, Mich.  
**Hardware.**  
Burditt & Williams, Boston, Mass.  
**Hardware (Art).**  
Tale & Towne Mfr. Co., Stamford, Ct.  
**Harness Bracket.**  
Jas. J. Read, Boston. (mon)  
**Heating and Ventilating.**  
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FREESTONE.

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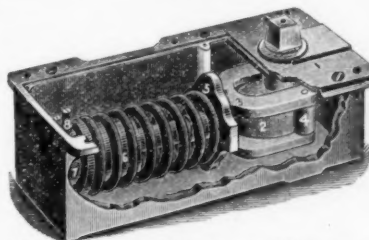
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Gorton & Liddellwood Co., New York. (eow)  
N. Y. Central Iron Works Co., Geneva, N. Y.  
Pace Steam-heating Co., Norwich, Conn.  
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Garner Hot-Water Heater Co., Boston, Mass.

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W. R. Briley, New York, N. Y. (eow)  
The Okonite Co., (Ltd.) New York, N. Y. (eow)

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Continental Insurance Co., N. Y. (eow)  
Insurance Co. of North America, Phila.  
New England Mutual Accident Association.

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Jackson Architectural Iron Works, N. Y.

Pascoe Rolling Mill Co., Paterson, N. J.  
Phoenix Iron Co., Philadelphia.  
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burgh, Pa.

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Apollo Iron & Steel Co., Pittsburgh, Pa.

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Duplex Hanger Co., Cleveland, O.

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Troy Laundry Machinery Co., Troy.

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American Lightning Protection Co.

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Link Bolt Engineering Co., Philadelphia, Pa.

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G. Hayes, New York.

Metal Workers.

J. & R. Lamb, New York.

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Sash-Works.

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Sash-Works.

Pullman Sash Balance Co. (The), Rochester, N. Y.

Sash-Works.

Sash-Cords.

Sash-Works.

Sash-Cords.

Sash-Works.

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Sash-Works.

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Sash-Works.

Sash-Cords.

Sash-Works.

Sash-Cords.

Sash-Works.

Sash-Cords.

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Dauchy & Co., Chicago.

Vault Threshold.

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Wall Tie.

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Fred. Ades & Co., New York, N. Y. (eow)

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Samson Cordage Works, Boston. (eow)

Window-Screens.

Metallic Window-Screen Manuf. Co., Boston, Mass.

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New Jersey Wire Cloth Co., Trenton, N. J.

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Wood Filler.

Bridgeport Wood Finishing Co., New Milford, Conn.



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## HYDRAULIC BRICK, PLAIN AND MOULDED OF ANY COLOR. RED, BUFF, GRAY, BROWN, PINK, MOTTLED, GRANITE.

Total Annual Capacity, 100,000,000.

**HYDRAULIC-PRESS BRICK CO.,**  
ODD FELLOWS' BUILDING,  
ST. LOUIS, MO.

THE  
Northwestern Terra-Cotta Co.  
Manufacturers of

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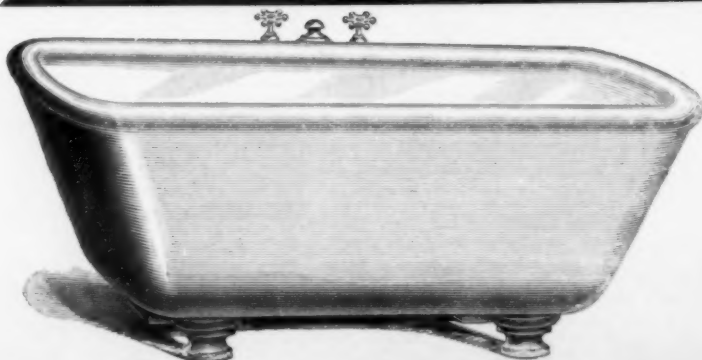
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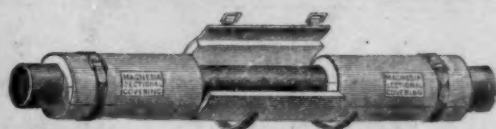
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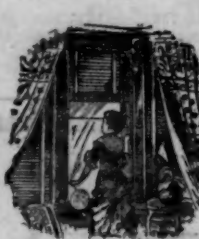
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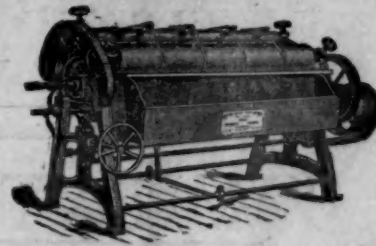
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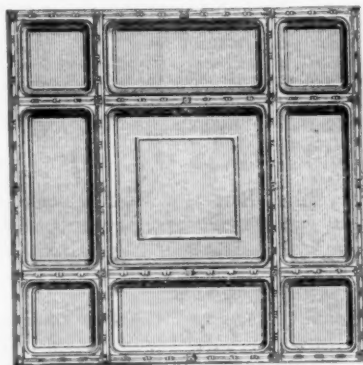
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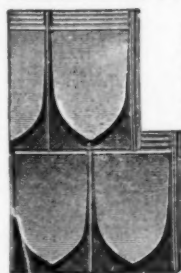


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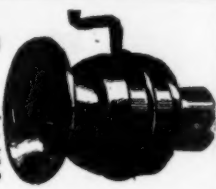
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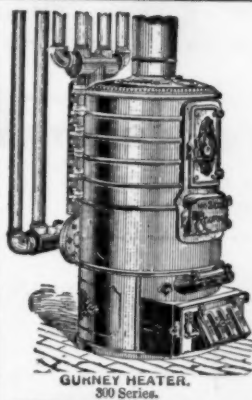


BUILDING MATERIALS.

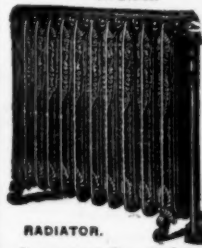
|                                            | New York.   | Boston.       | Chicago.          | Philadelphia.                  |
|--------------------------------------------|-------------|---------------|-------------------|--------------------------------|
| <b>Foundation:</b>                         |             |               |                   |                                |
| Dime-stone.....                            | 500 @ 5.00  | 500 @ 5.00    | 20 @ 5.00         | 500 @ 5.00                     |
| Block.....                                 | 460 @ 5.00  | 460 @ 5.00    | 20 @ 5.00         | 500 @ 5.00                     |
| Rubble.....                                | 125 @ 1.50  | 125 @ 1.50    | 8.50 @ 5.00       | Conshocken 1.45 @ 2.50         |
| <b>Blue-stone: (P sq. ft.)</b>             |             |               |                   |                                |
| Sidewalk.....                              | 30 @ 5.00   | 40 @ 1.75     | 75 @ 1.00         | 1 in. th. 10 @ 25              |
| Planned.....                               | 50 @ 6.00   | 75 @ 75       | 50 @ 1.00         | 37 @ 50                        |
| <b>Sandstone:</b>                          |             |               |                   |                                |
| Longmeadow.....                            | 80 @ 80     | 80 @ 90       |                   | 95 @ 1.05                      |
| Kibbe.....                                 | 90 @ 90     | 90 @ 1.10     |                   | 1.05 @ 1.25                    |
| Brown (Connecticut).....                   | 100 @ 95    | 125 @ 1.45    | 1.50 @ 5.00       | 85 @ 95                        |
| Amherst Ohio.....                          | 90 @ 95     | 90 @ 1.00     | 45 @ 55           | 55 @ 75                        |
| Berea.....                                 | 175 @ 1.00  | 85 @ 90       | 45 @ 55           | 85 @ 95                        |
| Berlin.....                                | 175 @ 1.00  | 80 @ 90       | 55 @ 65           | 100 @ 1.10                     |
| Bellefonte.....                            | 80 @ 1.25   | 125 @ 1.35    | 1.25 @ 1.25       | 1.05 @ 1.15                    |
| New Brunswick (Dorchester).....            | 100 @ 1.00  | 75 @ 90       |                   | 1.25 @ 1.35                    |
| Caen.....                                  | 105 @ 1.05  | 2.00 @ 2.00   |                   | 95 @ 1.05                      |
| Carlisle, English.....                     | 105 @ 1.05  | 1.05 @ 1.05   |                   | 95 @ 1.05                      |
| Corse Hill (Scotch).....                   | 105 @ 1.05  | 1.05 @ 1.05   |                   | 95 @ 1.05                      |
| <b>Marble: (P cu. ft.)</b>                 |             |               |                   |                                |
| Lee, Mass.....                             |             | 1.75 @ 2.50   | Not Sold.         | 2.00 @ 2.50                    |
| Rutland, white and blue.....               |             | 3.00 @ 3.00   | 3.50 @ 6.00       | 2.00 @ 3.00                    |
| Sutherland Falls.....                      | 1.25 @ 1.75 | 2.00 @ 2.00   | 3.50 @ 6.00       | 1.70 @ 3.00                    |
| Glens Falls, black.....                    |             |               | Not Sold.         | 4.00 @ 4.50                    |
| Italian, blue-veined.....                  |             |               | 4.40 @ 4.40       | 2.50 @ 2.75                    |
| " Sienna.....                              |             |               | Not Sold.         | 5.00 @ 5.00                    |
| Tennessee, red.....                        |             |               | 4.40 @ 4.40       | 4.00 @ 6.00                    |
| " Knoxville.....                           |             |               | 4.40 @ 4.40       | 3.00 @ 4.00                    |
| Pennsylvania, blue.....                    |             |               | Not Sold.         | 2.00 @ 3.00                    |
| Vermont, white.....                        |             |               | 3.50 @ 6.00       | 2.25 @ 3.00                    |
| <b>Slate: Roofing (P square)</b>           |             |               |                   |                                |
| " green.....                               | 5.00 @ 6.00 | 4.75 @ 5.25   | 5.50 @ 6.10       | 2.30 @ 3.00                    |
| " unfading.....                            | 5.00 @ 6.00 | 5.50 @ 6.50   | 6.50 @ 7.10       | 3.25 @ 3.75                    |
| " purple.....                              | 5.00 @ 6.00 | 10.00 @ 11.00 | 12.00 @ 14.00     | 3.50 @ 4.50                    |
| " red.....                                 | 4.25 @ 4.75 |               | 6.25 @ 6.85       | 5.00 @ 10.25                   |
| " black, Lehigh.....                       |             |               | 7.30 @ 8.00       | 25 @ 4.00                      |
| " " Chapman.....                           | 5.50 @ 8.00 | 5.50 @ 8.00   | 6.00 @ 9.00       | 0.00 @ 4.65                    |
| Unfading black, Monson, Me.....            |             |               | Not Sold.         | 5.50 @ 8.00                    |
| Tiles, Am. & M.....                        |             |               |                   | 6.00 @ 25.00                   |
| N. Peach Bottom, warranted unfading.....   |             |               |                   | 6.00 @ 6.75                    |
| <b>PAINTS. (In Oil P lb.)</b>              |             |               |                   |                                |
| White lead, Am.....                        | 7 @ 7       | 6 @ 7         | 7 @ 7             | 7 @ 7                          |
| " zinc.....                                | 5 @ 8       | 6 @ 8         | 5 @ 10            | 7 @ 7                          |
| Red lead, Am.....                          | 6 @ 7       | 6 @ 7         | 6 @ 7             | 7 @ 7                          |
| " Venetian.....                            | 6 @ 10      | 7 @ 12        | 11 @ 24           | 7 @ 7                          |
| " Vermillion.....                          | 65 @ 20     | 70 @ 5 dry    | 65 @ 68           | dry Eng. @ 7                   |
| " Indian, Eng.....                         | 12 @ 20     | 12 @ 20       | 12 @ 20           | Eng. @ 76                      |
| Yellow Ochre.....                          | 12 @ 15     | 7 @ 12        | 3 @ 15            | dry Am. @ 7                    |
| " Chrome.....                              | 6 @ 20      | 18 @ 25       | 15 @ 25           | 15 @ 18                        |
| Green (chrome).....                        | 8 @ 13      | 8 @ 20        | 8 @ 20            | 15 @ 20                        |
| Green, Paris.....                          | 25 @ 40     | 25 @ 40       | 18 @ 35           | 8 @ 12                         |
| Black, lamp.....                           | 15 @ 25     | 15 @ 25       | 8 @ 30            | 10 @ 24                        |
| Blue, ultramarine.....                     | 12 @ 18     | 18 @ 30       | 12 @ 35           | 60 @ 60                        |
| Oil, linseed, (raw).....                   | 55 @ 62     | 46 @ 47       | 57 @ 60           | 60 @ 63                        |
| " " boiled.....                            | 58 @ 65     | 49 @ 50       | 60 @ 62           | 44 @ 44                        |
| Turpentine.....                            | 36 @ 37     | 150 @ 6.00    | 125 @ 2.00        | 125 @ 3.00                     |
| Varnish, coach.....                        |             | 2.50 @ 3.00   | 2.25 @ 4.00       | 150 @ 3.00                     |
| Shellac.....                               | 2 @ 4       | 2 @ 4         | 2 @ 24            | 2 @ 24                         |
| Putty.....                                 | 75 @ 1.00   | 1 @ 1 1/2     | 1 @ 1 1/2         | 1 @ 1                          |
| Whiting.....                               | 1.30 @ 2.00 | 2 @ 3         | 1 @ 2             | 1 @ 2                          |
| Paris white, (Eng.).....                   | 54 @ 6      | 6 @ 7         | 6 @ 7             | 4 @ 14                         |
| Litharge, Am.....                          | 14 @ 20     | 14 @ 20       | 4 @ 16            | 2 @ 13                         |
| Sienna (burnt).....                        | 14 @ 20     | 14 @ 20       | 2 @ 10            |                                |
| Umber.....                                 |             |               |                   |                                |
| <b>HARDWARE.</b>                           |             |               |                   |                                |
| Nails: (Per Cask.) Spikes, (wrought.)      | @ 2.85      | @ 2.20        | 2.35 @ 3.50       | per keg @ 2.25                 |
| 10d. common.....                           | @ 2.60      | @ 2.65        | @ 1.95            | @ 2.30                         |
| Shingle.....                               | @ 3.35      | @ 3.20        | @ 2.35            | @ 2.60                         |
| Lath.....                                  | @ 4.85      |               | @ 3.25            | 3.60 @ 4.75                    |
| (Finishing nails according to size.)       |             |               | Add .85 to \$2.25 | per lb 4 @ 6                   |
| (For casing nails add 75 c. per keg.)      |             |               | ".50 to .90       | Add per cask 2.90 (all kinds.) |
| <b>Butts: 4" x 4" (P doz. pairs.)</b>      |             |               |                   |                                |
| Plain.....                                 | @ 1.00      | @ 1.20        | @ 90              | 1.35 @ 2.00                    |
| Japaned.....                               | @ 1.50      | @ 1.75        | Not Sold.         | 1.35 @ 2.75                    |
| Acorn, Japaned.....                        | @ 65        | @ 50          | Not Sold.         | 48 @ 50                        |
| Bail Tip, Boston Finish..... (P pair.)     | @ 1.90      | plain 1.65    | 2.00 @ 3.25       | @ 1.25                         |
| Bronze metal.....                          | @ 10        | @ 10          | @ 12              | @ 1.00                         |
| Brass (for cupboards).....                 |             |               |                   | @ 35                           |
| Ebony.....                                 |             |               |                   | 37 @ 1.00                      |
| Apple wood.....                            |             |               |                   |                                |
| <b>Knobs: (P set.)</b>                     |             |               |                   |                                |
| Mineral, best.....                         | @ 8         | @ 8           | 8 @ 10            | @ 08                           |
| Lava.....                                  | @ 50        | @ 75          | 65 @ 80           | Not Sold.                      |
| Hemacite.....                              | Not Sold.   | 17 @ 33       | 31 @ 40           | 25 @ 25                        |
| Porcelain.....                             | @ 30        | @ 10          | 25 @ 30           | 1.00 @ 2.50                    |
| Glass, solid.....                          | Not Sold.   | @ 50          | Not Sold.         | 1.75 @ 2.00                    |
| Glass, silvered.....                       | Not Sold.   | 88 @ 1.00     | @ 1.50            | 50 @ 3.50                      |
| Bronze metal.....                          | 75 @ 2.00   | 50 @ 3.00     | 50 @ 3.00         | 75 @ 1.25                      |
| Brass.....                                 | 1.00 @ 2.50 | 50 @ 3.00     | 14 @ 16           | 134 @ 16                       |
| Solder:                                    |             |               | 54 @ 6            | 6 @ 6                          |
| Silver Lead.....                           |             |               |                   |                                |
| Lead Pipe.....                             |             |               |                   |                                |
| <b>Iron:</b>                               |             |               |                   |                                |
| I-Beams, up to and including 30 ft.....    | 3.3-10 @ 34 | @ 34-10       | 2.50 @ 2.75       | @ 2.8-10                       |
| do. over 30 ft., + c. adv. for every 5 ft. | 3.3-10 @ 34 | @ 34-10       | 50 @ 2.75         | @ 2.8-10                       |
| Channel Beams.....                         |             |               |                   |                                |

FLUCTUATIONS.

Chicago, Ill. — There are no changes for "Market Reports." Lumber is a little lower, just at present, than quoted, but a very little increased demand would restore rates as given.



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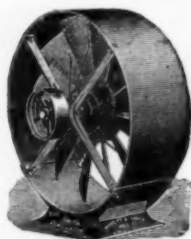
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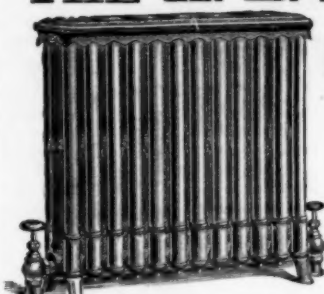
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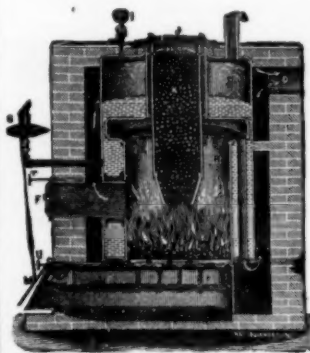
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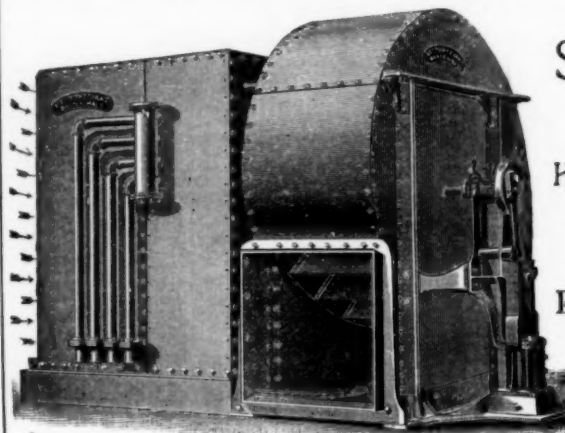
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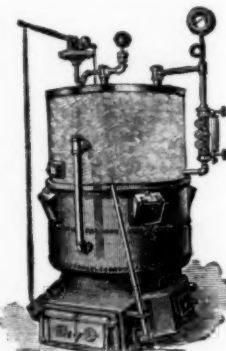
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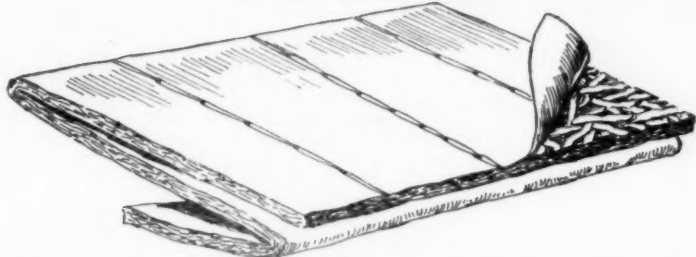
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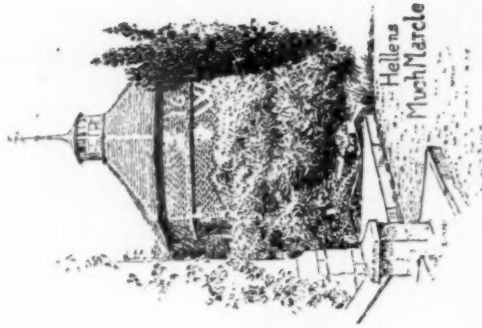
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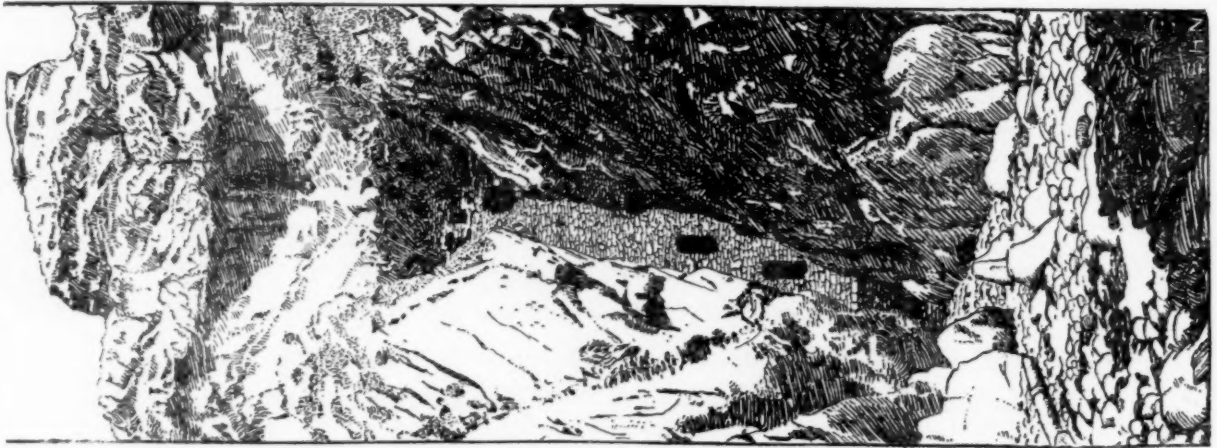
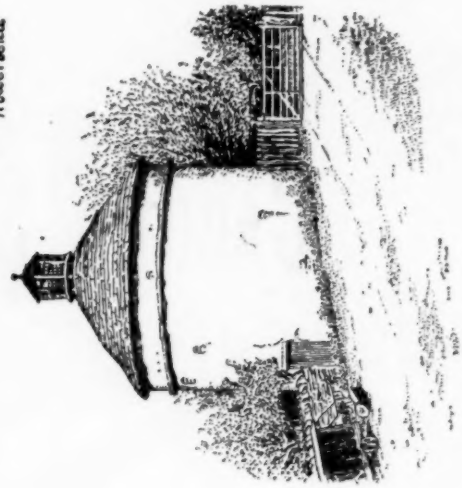
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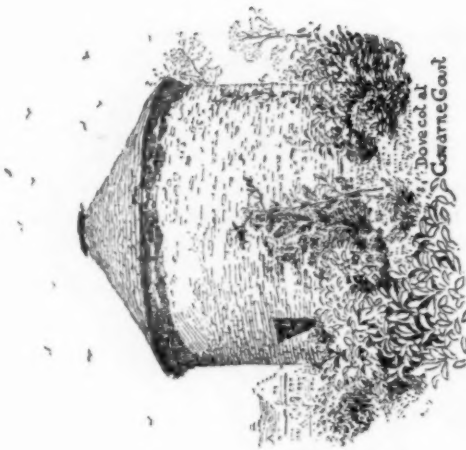


Dovecot at Aldersand.

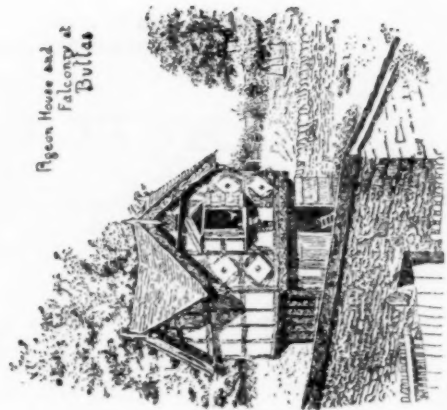


Culver Hole, Gower, Wales.

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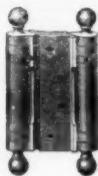
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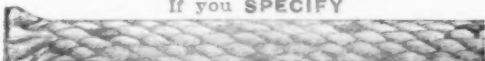
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\_\_\_\_\_

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**Eight Ave., Nos. 502-510,** 5 four-st'y brick stores to be connected and have an extension added; cost, \$5,000; owner, Estate of Courland Palmer, 22 East Fourteenth St.; architect, L. Bounon, Lessee, 47 Liberty St.  
**Mercer St., Nos. 35-37,** five-st'y brick store to be altered internally; cost, \$10,000; owner, Joseph Wechsler, 31 Eighth Ave., Brooklyn; architects, Buchman & Deisler, 11 East Fifty-ninth St.  
**East Seventeenth St., No. 10,** four-st'y brick store and office to have an extension with interior changes; cost, \$4,000; owner, Frederic Gallatin, 261 Broadway; architects, Renwick, Aspinwall & Renwick, 71 Broadway.  
**Pier 36, West St., bet. Charleston and Spring Sts.,** one and two-st'y wood and iron office and freight-shed to have an extension; cost, \$12,000; owners, Providence & Stonington S. S. Co., Pier No. 36, N. R.; architect, R. P. Staats, 29 Broadway.  
**East Fourteenth St., Nos. 529-535,** 2 two-st'y brick stables to be connected, with interior alterations; cost, \$6,000; owners, Dry Dock & Battery R. R. 605 Grand St.; architect, M. C. Merritt, 1267 Broadway.

**Philadelphia, Pa. — Price St., e Hancock St.,** addition to mill; contractor, E. C. Leach, 4787 Hancock St.

**Scarsdale, N. Y. —** The dwell. of Jas. Carstenson is to have considerable work done to it from plans prepared by Hazlhurst & Huckel, architects, 925 Drexel Building, Philadelphia.

### APARTMENT-HOUSES.

**Brooklyn, N. Y. — Watkins St., e Eastern Parkway,** 4 four-st'y brick and stone flats; cost, \$34,000; owner, A. Simons, New York.

**Chicago, Ill. — James Maclear,** two-st'y flats, 7120 Greenwood Ave.; cost, \$3,000.

**Louis Hoffman,** two-st'y flats, 3728 Emerald Ave.; cost, \$3,500.

**W. S. Joslyn,** 2 two-st'y flats, 145-147 Forty-sixth St.; cost, \$8,000.

**C. H. Mithaway,** two-st'y flats, 714 Turner Ave.; cost, \$4,000.

**F. H. Bostian,** two-st'y flats, 1230 West Congress St.; cost, \$3,000.

**Ed. Wernick,** three-st'y flats, 372 Mohawk St.; cost, \$4,500.

**John Callahan,** three-st'y flats, 250 Belden Ave.; cost, \$3,000.

**Charles Plummer,** two-st'y flats, 598 Drummond Ave.; cost, \$4,500.

**P. M. Hannay,** three-st'y flats, 1173 North Clark St.; cost, \$8,000.

**J. Jacobson,** three-st'y flats, 343 Maxwell St.; cost, \$7,000.

**M. Fisher,** three-st'y flats, 112 Gurley St.; cost, \$5,000.

**Mary Harms,** two-st'y flats, 6327 Sangamon St.; cost, \$3,000.

**W. J. Burns,** two-st'y flats, 545 South Sacramento Ave.; cost, \$4,000.

**Frank Brenen,** two-st'y flats, 6034 Rhodes Ave.; cost, \$5,000.

**Herman Reininge,** three-st'y flats, 400 Troy St.; cost, \$7,000.

**John Burke,** three-st'y flats, 1450 Roscoe Boulevard; cost, \$4,000.

**J. H. Baker,** two-st'y flats, 2079 Wilcox Ave.; cost, \$4,300.

**Herman Rinsing,** three-st'y flats, 375 West Harrison St.; cost, \$4,700.

**Herman Findler,** two-st'y flats, 910 Southport Ave.; cost, \$3,500.

**B. F. Terhune,** three-st'y flats, 5142 Wabash Ave.; cost, \$8,000.

**John Youngbig,** three-st'y flats, 1019 Seminary Ave.; cost, \$6,000.

**Court Ohm,** three-st'y flats, 408 Belden Ave.; cost, \$8,000.

**Herman Michelke,** three-st'y flats, 588 Burling St.; cost, \$7,000.

**R. H. McWilliams,** two-st'y flats, 265 Fifty-fourth St.; cost, \$4,500.

**J. Danielson,** two-st'y flats, 331 Harding St.; cost, \$3,000.

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**James Reim,** four-st'y flats, 227 Townsend St.; cost, \$10,000.

**C. J. McGee,** two-st'y flats, 1677-1679 Fulton St.; cost, \$5,500.

**John Bell,** two-st'y flats, 5516 Union Ave.; cost, \$3,000.

**James Spencer,** 2 three-st'y flats, 1030-1032 Garfield Boulevard; cost, \$10,000.

**Hans Gronwald,** three-st'y flats, 329 Troy St.; cost, \$6,000.

**M. A. Lyons,** two-st'y flats, 1592 Lexington Ave.; cost, \$3,000.

**William Hancock,** three-st'y flats, 1126-1128 Jackson St.; cost, \$10,000.

**Charles Kutz,** three-st'y flats, 659 Park Ave.; cost, \$8,500.

**John Lydard,** three-st'y flats, 913 Park Ave.; cost, \$6,500.

### BUILDING INTELLIGENCE.

#### (Apartment-Houses Continued.)

**Ed. Roche,** three-st'y flats, 3751 Lake Ave.; cost, \$8,500.

**Andrew Larson,** two-st'y flats, 27 Cathapa St.; cost, \$4,000.

**New York, N. Y. — Amsterdam Ave., cor. Eighty-first St.,** seven-st'y apartment-house; cost, \$250,000.

**Ninety-sixth St., s s, 100' e Madison Ave.,** 5 five-st'y brick flats, tin roofs; cost, \$100,000; owner, Frances J. Schnugg, 129 East Ninety-fifth St.; architect, Louis Euter, 179 East Ninety-sixth St.

**One Hundred and Twenty-eighth St., n s, 130' e Third Ave.,** five-st'y brick flats, tin roof; cost, \$18,000; owner, Alexander Jordan, 17 East Eighty-ninth St.; architects, Neville & Bogge, 217 West One Hundred and Twenty-fifth St.

**Worcester, Mass. — Eden St.,** four-st'y brick and stone apartment-house; owners and contractors, Pellet Bros.; architects, E. Boyden & Son.

### CHURCHES.

**Chicago, Ill. — First Evangelical Lutheran Church,** church, 578-582 North Leavitt St.; cost, \$3,800.

**Tenth Presbyterian Church,** church, 4000-4006 Emerald Ave.; cost, \$6,000.

**Fernwood, Pa. —** Baptist congregation will build a new church.

**Gloucester City, N. J. —** Plans are out for the Church of the Ascension, also for a stone parish building to cost \$4,000; architect, E. C. Kent, 140 South Fourth St.

**Philadelphia, Pa. — Montgomery Ave. and Thirty-second St.,** Congregational Church is to be built.

**Bainbridge and Eighteenth Sts.,** Holy Trinity Baptist Congregation will build a new church; architects, Hazlhurst & Huckel, 925 Drexel Building.

**Broad St. and Snyder Ave.,** church and number of dwells. will be built; Arthur M. Burton is president of the syndicate.

**Pittsburgh, Pa. — Pacific Ave.,** the Fourth U. P. church will be built of brick and stone; cost, \$23,000; contractor, H. B. Steffler.

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**Chicago, Ill. — Nels, Morrison & Co.,** five-st'y factory, 44 Loomis St.; cost, \$10,000.

**Art Marble Co.,** two-st'y factory, 579-585 Floumey St.; cost, \$6,000.

**Philadelphia, Pa. — South Third and Levant Sts.,** six-st'y brick and stone factory; owners, George Miller & Son; architect, Walter H. Geissinger, s w cor. Twelfth and Chestnut Sts.

**Emily and Tenth Sts.,** four-st'y brick and stone factory; owners, Hexter Bros; architects, Wm. H. MacCollin and Harry H. Aleock, 913 Walnut St.

**Susquehanna Ave., w Tenth St.,** two-st'y factory; contractor, Samuel J. Humphreys, 2355 Carlisle St.

### HOSPITALS.

**Brooklyn, N. Y. — St. Nicholas Ave.,** German Hospital Building; architect, R. L. Daus, 26 Court St.

### HOTELS.

**Garden Heights, Del. — Hotel;** owner, S. R. Smith.

### HOUSES.

**Aldine, N. J. —** Two-st'y frame cottage, cost, \$2,600, and a two-st'y frame and stone cottage, cost, \$7,400; owner, Silas A. Condit, Brooklyn, N. Y.; architect, E. B. Chestersmith, 45 Liberty St., New York City.

**Atlantic City, N. J. —** Cottage; owner and builder, John Loughran, Philadelphia; architects, Hazlhurst & Huckel, 925 Drexel Building, Philadelphia.

**Connecticut Ave.,** three-st'y dwell.; contractor, James Mott.

**Indiana Ave.,** two-st'y frame dwell.; contractor, L. Brown.

**Arkansas Ave.,** three-st'y dwell.; contractors, Hand & Miller.

**North Carolina Ave.,** three-st'y dwell.; contractor, D. Knauer.

**Boston, Mass. — West Selden St.,** near Rich St., Ward 24, frame dwell., 22' x 30'; owner, Miss Ella Brittain; builder, S. L. Brittain.

**Joiner St., No. 35,** Ward 5, frame dwell., flat roof, 23' x 24'; owner, Miss E. M. Wade and Mrs. A. W. Thompson; builders, F. Perry & Son.

**Ceylon St. extension,** near Quincy St., Ward 24, 2 frame dwells, 23' x 36'; owner and builder, M. W. Frolund.

**Joiner St., No. 37,** cor. Water St., Ward 5, frame dwell., flat roof, 23' x 24'; owners, Miss E. M. Wade and Mrs. A. W. Thompson; builders, F. Perry & Son.

**Longfellow St.,** near Draper St., Ward 24, frame dwell., 24' x 31.6'; owner, Parker N. Jenkins; builder, Duncan Stevens.

**East Second St.,** near F St., Ward 15, three-st'y frame dwell., flat roof, 22' x 50'; owner, Henry Schriener; builder, J. E. Ferguson.

**Wentham St.,** near Dracut St., Ward 24, frame dwell., 22' x 46'; owner and builder, Isaac Schurman.

**Bay State Road,** near Raleigh St., Ward 22, four-st'y brick dwell., flat roof, 26' x 70'; owner, J. E. Devlin; builders, W. A. & H. A. Root.

**Beacon St., No. 518,** Ward 22, four-st'y brick dwell., flat roof, 28' x 70'; owner, Mary E. F. Ayer; builder, Angus McDonald.

**Bay State Road,** cor. Sherburne St., Ward 22, three-st'y brick dwell., pitch roof, 23' x 65'; owner, C. B. Pitman.

**Bay State Road,** near Raleigh St., Ward 22, four-st'y brick dwell., flat roof, 25' x 70'; owner, E. M. Wheelwright; builders, W. A. & H. A. Root.

**Beams St.,** near Stanton St., Ward 24, frame



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## BUILDING INTELLIGENCE.

(Houses Continued.)

dwelling, 24' x 45'; owner and builder, A. R. Richard-son.

Newburg St., near Beech St., Ward 23, frame dwelling, 25' x 34'; owner, A. E. Hantz; builder, P. M. Brown.

Armstrong St., near Milton Ave., Ward 24, three-story frame dwelling, flat roof, 25' x 10'; owner, A. S. Christopher; builder, F. C. Warren.

Mt. Vernon St., near Buttonwood St., Ward 24, three-story frame dwelling, flat roof, 26' x 57.6'; owner, Mrs. J. McLachron; builder, A. McLachron.

Hewlett St., cor. Selwyn St., Ward 23, frame dwelling, hip roof, 25' x 31'; owner, Annie C. Warner; builders, Dame &amp; Warner.

Shirley St., near George St., Ward 20, three-story frame dwelling, flat roof, 24.6' x 46'; owner, Susan E. Abbott; builder, F. H. Randlett.

Boston St., No. 40, Ward 15, three-story frame dwelling, flat roof, 25' x 49'; owner, Mary Howe; builders, H. S. &amp; N. Clark.

Romney St., near Dorchester Ave., Ward 24, three-story frame dwelling, flat roof, 22' x 48'; owner, Emma Eichorn; builder, B. A. Palmer.

Waldeck St., near Stratford St., Ward 24, frame dwelling, hip roof, 31' x 34'; owner and builder, A. L. Jewell.

Norfolk Ave., No. 200, Ward 20, frame dwelling, 24' x 32'; owner, Mrs. M. E. Claus.

Kenneth St., cor. Flora St., Ward 23, frame dwelling, 32' x 42'; owner, A. C. Anderson; builder, M. H. Fossett.

White St., near Gleason St., Ward 24, frame dwelling, 23.6' x 48'; owner, Victor Holmes; builder, A. E. Coffin.

Ashmont St., near Alban St., Ward 24, frame dwelling, hip roof, 32.2' x 41'; owner, Franklin King; builders, J. H. Burt &amp; Co.

Brent St., near Washington St., Ward 24, frame dwelling, flat roof, 23.6' x 51'; owner and builder, Alexander Dunn.

Dorchester Ave., near Boston St., Ward 15, 2 three-story frame dwellings, 23.9' x 37'; owner, W. T. McKee; builder, W. J. Jobling.

Norfolk Ave., near East Cottage St., Ward 20, 4 frame dwellings, 19' x 33'; owner and builder, J. V. Devine.

Prescott St., near Saratoga St., Ward 1, 2 frame dwellings, flat roofs, 20.6' x 46'; owners, C. F. Hargrave and Mrs. A. F. Pierce; builder, C. F. Hargrave.

East Second St., near M St., Ward 14, 2 three-story frame dwellings, flat roofs, 23' x 51'; owner, A. J. Adams; builder, G. H. Dearborn.

Robinson St., near Adams St., Ward 24, three-story frame dwelling, pitch roof, 30' x 48'; owner and builder, A. M. Johnson.

Baltimore, Md.—Jas. Airey, three-story brick building, s e Druid Hill Ave., bet. McMechin and Wilson Sts.

Fred. Obrecht, 5 two-story brick buildings, s e Plum St., bet. West and Stockholm Sts.

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## BUILDING INTELLIGENCE.

(Houses Continued.)

6 two-story frame dwellings; cost, \$10,000; owner, Wm. E. Kay, Bensonhurst.

Vernon Ave., n s, 250' w Stuyvesant Ave., 2 three-story brick dwellings, tin roofs; cost, \$6,000 each; owner and builder, John Auer, Vernon Ave.; architects, D. Acker &amp; Son, 752 Broadway.

Dean St., n s, 305' w Carlton Ave., 2 four-story brick dwellings, with extension, tin roofs; cost, \$10,000 each; owner and builder, E. Soderstrom, 287 Prospect Pl.; architect, W. H. Wirth, 358 Seventeenth St.

Schaffer St., n s, 100' e Evergreen Ave., 4 two-story frame dwellings, tin roofs; cost, \$3,000 each; owner, Chas. Gastmyer, 1172 Jefferson Ave.

Hancock St., s s, 51' w Central Ave., two-story frame dwelling, tin roof; cost, \$3,000; owner, Oscar Vidhoff, 443 Rockaway Ave.; architect, H. Smith, 10 Moore St.

Nichols Ave., e s, 210' n Atlantic Ave., two-story frame dwelling, tin roof; cost, \$3,200; owner, John Babcock, Hemlock St.; architect, Chas. Infanger, Atlantic Ave.

Sackman St., e s, 20' n Atlantic Ave., 6 two-story frame dwellings, gravel roofs; cost, \$2,300; owner, Chas. Fullman, 343 Marion St.; architect, J. Hopkins, 183 Cooper St.

Fifty-fourth St., s s, 234' e Fourth Ave., 3 two-story brick dwellings, tin roofs; cost, \$1,000 each; owner, Alex. Waldron, Third Ave. and Fifty-third St.; architect, H. L. Spicer, Third Ave. and Fifty-third St.

President St., n s, 92' w Fifth Ave., 4 five-story brick dwellings, cement and gravel roofs; cost, \$40,000; owner and builder, Wm. Assip, 224 Sixth Ave.; architect, W. M. Coats, 189 Montague St.

Decatur St., s s, 100' w Hopkinson Ave., 5 two-story brick dwellings, tin roofs; cost, \$2,000; owner, John F. Graham, 232 Summer Ave.; architect, H. F. Claudis, 121 Van Buren St.

Milford St., e s, 110' n Eastern Parkway, 5 two-story frame dwellings, tin roofs; cost, \$1,000 each; owner, Donald Laing, Belmont and Atlantic Aves.

Ralph St., s s, 384' e Irving Ave., three-story frame dwelling, tin roof; cost, \$3,500; owner, architect and builder, Geo. Schmidt, 161 Woodbine St.

Chicago, Ill.—H. H. Roberts, two-story dwelling, 1190 Kenmore Ave.; cost, \$4,000.

Ev. Lutheran St. Martin's Cong., three-story dwelling, 4045 Dreyer St.; cost, \$3,000.

George Featherstone, 3 two-story dwellings, 1655 West Monroe St.; cost, \$18,000.

N. H. Pruett, two-story dwelling, 463 Drexel Boulevard; cost, \$20,000.

J. Krabbee, two-story dwelling, 849 Avers Ave.; cost, \$4,500.

Henson &amp; Carlson, two-story dwelling, Lincoln Ave. cor. Pratt St.; cost, \$3,500.

H. S. Fry, two-story dwelling, 2383 Halsted St.; cost, \$6,000.

Falmouth Heights, Mass.—Frame cottage, 37' x 40'; cost about \$4,000; owner, Walter L. Keith, of Campello, Mass.; builder, L. Frank Paine; architect, E. A. P. Newcomb, Boston.

New York, N. Y.—Tremont Ave., s w cor. Washington Ave., three-story brick and frame dwelling, tin roof; cost, \$4,000; owner, George W. Hoyer, Coney Island; architect, J. J. Vreeland, 711 Tremont Ave.

Webster Ave., w s, 277' n Mashulu Parkway, 2 two-story brick and frame dwellings, tin roofs; cost, \$3,000; owner, Henry Weiler, 155 East Seventieth St.

Prospect Ave., w s, 275' n One Hundred and Fifty-sixth St., three-story stone and frame dwelling, shingle roof; cost, \$4,000; owner, A. Mellman, 95 Eagle Ave.; architect, M. J. Garvin, 3311 Third Avenue St.

Tuition Ave., w s, 645' n Denman Pl., three-story brick and frame dwelling, tin roof; cost, \$4,000; owner, Paul T. Decker, 875 Coudwell Ave.; architect, John W. Decker, 841 Forrest Ave.

Ridley Park, Pa.—Brick dwelling; owner, C. G. Darroch; contractor, C. J. Urban.

Four dwellings; owner, Chas. Hogan; contractor, C. J. Urban.

## BUILDING INTELLIGENCE.

(Houses Continued.)

Sellersville, Pa.—Several dwellings; builder, E. D. Althouse.

Seabright, N. J.—Cottage; cost, \$8,000; owner, Mr. Palmer.

Washington, D. C.—B. Stanley Simmons, architect, has prepared plans for Aaron Bradshaw, for a block of 6 three-story brick and stone dwellings, to cost about \$25,000.

Worcester, Mass.—Upland St., one-and-one-half-story frame dwelling; owner, F. Arnold; contractor, Wm. O. Burns.

## OFFICE-BUILDINGS.

New York, N. Y.—Fifth Ave., No. 139, six-story brick office, tin and tile roof; cost, \$86,000; owner, Henry Corn, 66 East Eighty-first St.; architect, Alfred Zucker, 33 Union Square.

## PUBLIC BUILDINGS.

Bridgeton, N. J.—Estimates for the building of a City-hall have been authorized by City Council.

Cape May Co., N. J.—A new jail is being planned for by the Freeholders of this county.

Montgomery, Ala.—The erection of a court-house to cost about \$25,000 is contemplated.

## SCHOOL-HOUSES.

Hyde Park, N. Y.—Catholic seminary will be built; cost, \$40,000.

Media, Pa.—School-house; architect, S. H. Day, 910 Drexel Building, Philadelphia.

Sandford, Fla.—School-house to cost about \$13,000 will be built.

## STABLES.

Chicago, Ill.—H. B. Peabody, two-story barn, 2968 Michigan Ave.; cost, \$5,000.

Worcester, Mass.—Salsbury St., one-and-one-half-story frame stable; owner, J. L. Ellsworth; contractor, A. S. Gates.

Prescott St., one-and-one-half-story frame stable; owner, Rev. Robert Walsh; day-work.

## STORES.

Brooklyn, N. Y.—Central Ave., s w cor. Hancock St., 5 three-story frame stores and dwellings, tin roofs; cost, \$4,000 each; owner, Oscar Vidhoff, 443 Rockaway Ave.; architect, Hugo Smith, 10 Moore St.

Fulton St., n w cor. Chestnut St., 2 three-story frame stores and dwellings, tin roofs; total cost, \$8,000; owner, Frank Ehlers, 176 Arlington Ave.; architect, Chas. Infanger, Atlantic and Van Sieten Aves.

Sackman St., n e cor. Atlantic Ave., three-story frame store and dwelling, gravel roof; cost, \$4,000; owner, Chas. Fullman, 347 Marion St.; architect, J. Hopkins, 183 Cooper St.

Third Ave., w s, 50' n Fifty-eighth St., four-story brick store and dwelling, tin roof; cost, \$5,000; owner, G. Livotti, 1181 Third Ave.; architect and builder, Tony Lummo, 2710 Atlantic Ave.

Union St., s s, 92' w Fifth Ave., 4 five-story brick stores and dwellings, cement and gravel roofs; cost, \$40,000; owner and builder, Wm. Assip, 224 Sixth Ave.; architect, W. M. Coats, 189 Montague St.

## PROPOSALS.

Proposals for Iron Book-shelves. Office of Building for Library of Congress, 145 East Capitol Street, Washington, D. C., December 9, 1893. Sealed proposals for furnishing and delivering the bower-barred iron book-shelves required for the Building for Library of Congress, in this city, will be received at this office until 2 o'clock P. M. on Saturday, the 27th day of January, 1894, and opened immediately thereafter in presence of bidders. Specifications, general instructions and conditions and blank forms of proposal may be obtained on application to this office. BERNARD R. GREEN, Superintendent and Engineer.

Note the following extract, we propose to use it as a text later.



[Extract from a lecture on Architect's Libraries by Prof. T. Roger Smith, F. R. I. B. A., at University College, Oct. 10, 1893.]

"Lastly let me recommend the back volumes of the professional journals and the *Transactions* of the Royal Institute of British Architects containing papers on, and illustrations of, almost every subject that you can think of. In the course of years all sorts of architectural topics come up in the public press and before the professional societies, and if you hunt through the indexes of these publications when you are seeking for information which eludes you in books, you will often be rewarded."



# The American Architect

## FOR 1894.

**D**URING the coming year a certain portion of the *American Architect* must be devoted to the completion of several partly finished serial publications, as for example: The very practical and comprehensive papers by Mr. GEORGE HILL, C. E., styled "Office Help"; the thorough discussion of legal questions, as they occur in an architect's practice, by Mr. T. M. CLARK, F.A.I.A., under the title of "Architect, Owner and Builder before the Law"; the instructive papers—so interesting as furnishing an accurate historical setting for the many tales and novels dealing with Central American life, just now fashionable,—by the Rev. ARTHUR HOWARD NOLL, etc.

In addition to these partially familiar topics there will be published during the year more or less of the following papers:—

**"NOTED EUROPEAN AND OTHER THEATRES,"** By Mr. E. A. E. WOODROW,  
which we trust will in a great measure satisfy the needs of the many architects who write to us for information in the matter of theatre designing and building.

**"ELECTRICAL SCIENCE FOR ARCHITECTS,"** By Mr. RUSSELL ROBB.  
A simple and understandable exposition of the laws and practical development of the science of electricity in many of the cases where architects have to provide for or employ this modern Proteus.

In addition to these papers which will eventually occupy considerable space, there are in course of preparation a number of shorter series of papers covering a wide range of subjects, as for example:—

**"MINOR ENGLISH PAROCHIAL CHURCHES."** By Mr. A. B. BIBB, architect.

**"THE SMALLER CHATEAUX OF THE VALLEY OF THE LOIRE."**  
By Mr. H. T. E. WENDELL, Architect.

**"EUROPEAN FIRE PROTECTIVE METHODS."** By Mr. EDWIN O. SACHS.

**"IRISH CROSSES."** By Mr. ARTHUR G. LANGDON.

All of these papers will be fully illustrated.

As occupying a half-way point between text and illustrations, we will mention the papers and drawings of

### "OLD COLONIAL WORK,"

which are to be presented by Mr. G. C. GARDNER, so far as is typified in Western Massachusetts, and by Mr. CLAUDE FAYETTE BRAGDON, so far as it is found in the Valley of the Genesee. Other contributors are to present the work in Rhode Island, and others again, we trust, whatever may elsewhere be found of interest.

## THE ILLUSTRATIONS.

As to this department of the paper we can say little that is positive, since so much depends on the willingness of the architects in this country to send us drawings that are superior in interest and value to those which have been published in the past. If only drawings of merit in sufficient quantity are offered, we will agree that none other shall be used. In this connection we must state explicitly that because drawings of indifferent value and interest to the majority of subscribers have been published in the past, such publication does not constitute a precedent of controlling weight so far as regards our acceptance or declination in the future of drawings of similar questionable interest and value. It is enough to say that if when such drawings are offered we have an abundance of more interesting material in hand, we shall in such case regretfully decline the offering, while if our supplies of better material are low then we *must* accept and use material which has no higher average value than what has been published hitherto.

Owing to the obstructive policy of the "official photographer" of the World's Fair, we were unable to get our order for negatives of the World's Fair Buildings honored in time to make complete use of them during the Exhibition season. We have, however (after the close of the Fair), been able to secure the fulfilment of a part of our order, and consequently have now on hand a considerable number of interesting views and details of the

### WORLD'S FAIR BUILDINGS

which will be published during the year 1894.

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The assertion that the *American Architect* is a paper whose characteristics are national and not merely local is supported by the following table, which exhibits the manner in which several journals have treated domestic architecture. In this comparison the IMPERIAL edition of the *American Architect* is considered, since the additional plates of the INTERNATIONAL edition are, in the main, illustrations of foreign work.

| PAPER.         | Number of subjects contributed. |                                    |                                               |                                                | In the first column, "subjects," only actual domestic work is included (foreign work, imaginative designs and the work of sketch-clubs are excluded), and the figures there given indicate that this number of designs might have been prepared by the same number of architects practising in the same number of different towns. The remaining columns show how nearly this ideal distribution has been reached in each case. | Architects practising in the State of publication furnished. |                                       |                                    |                                                   |        |
|----------------|---------------------------------|------------------------------------|-----------------------------------------------|------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|---------------------------------------|------------------------------------|---------------------------------------------------|--------|
|                | Number of subjects contributed. | Number of contributing architects. | Towns in which contributors were established. | States in which contributors were established. |                                                                                                                                                                                                                                                                                                                                                                                                                                 | Subjects.                                                    | Per cent of total number of subjects. | Different architects contributing. | Per cent of total number contributing architects. | Towns. |
| No. I. . . .   | 214                             | 109                                | 28                                            | 16                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                 | 161                                                          | .752                                  | 75                                 | .688                                              | 7      |
| No. II. . . .  | 137                             | 78                                 | 21                                            | 15                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                 | 46                                                           | .335                                  | 24                                 | .307                                              | 2      |
| No. III. . . . | 118                             | 56                                 | 16                                            | 11                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                 | 70                                                           | .593                                  | 22                                 | .392                                              | 1      |
| Am. Architect. | 267                             | 152                                | 47                                            | 24                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                 | 73                                                           | .273                                  | 39                                 | .256                                              | 3      |

From this table it appears that Massachusetts architects—.256 per cent of the total number of contributors—provided only .273 per cent of the total number of designs published, percentages which, in view of the fact that Massachusetts is one of the most populous States in the Union, prove that they have not been accorded an unreasonable amount of our limited space.





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[See Alphabetical Index on Cov. 3 for Pagination.]

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[Advertisers can be indexed only under a single head free of charge].

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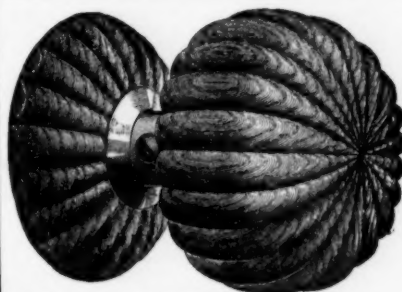
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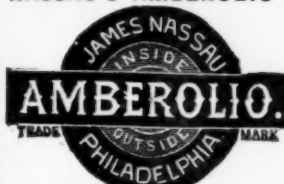
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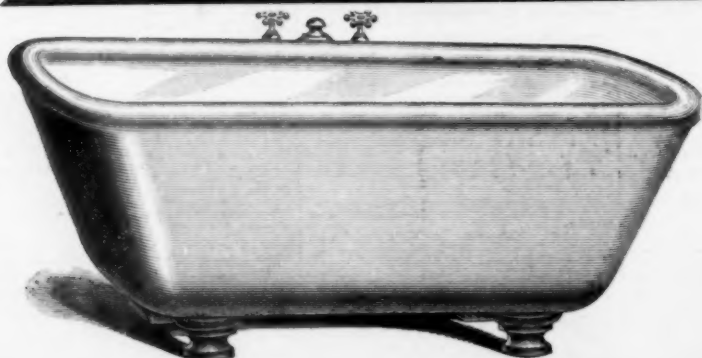
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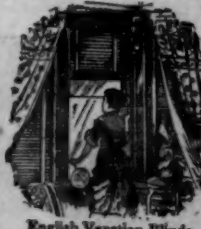
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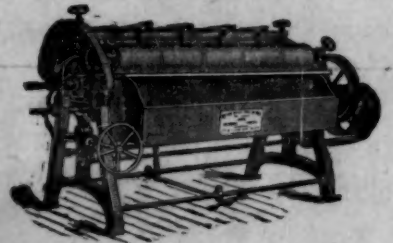
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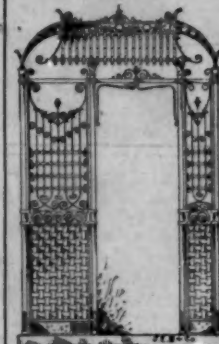
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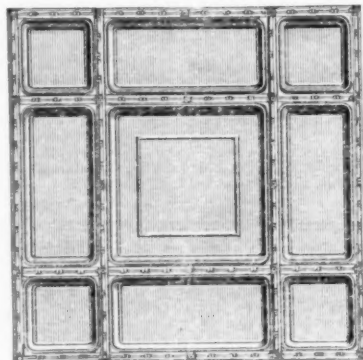
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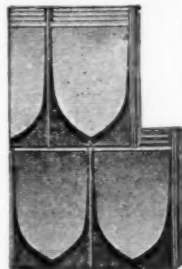


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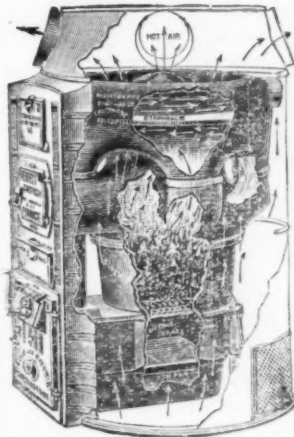
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| 14 00 @ 18 00       | 14 50 @ 18 00    | 12 00 @ 17 50                         | 25 00 @ 37 30   |
| 12 00 @ 16 00       | 13 00 @ 15 00    | Not sold.                             | 16 00 @ 18 00   |
| 18 00 @ 21 00       | 22 00 @ 35 00    | 24 00 @ 34 00                         | 13 00 @ 17 00   |
| Slab { 2 10         | 2 25 @ 2 50      | @ 2 65                                | 2 75 @ 3 00     |
| 2 25                | 2 00 @ 3 00      | Not sold.                             | 2 80 @ 3 00     |
| 5 00 @ 6 00         | @                | Not sold.                             |                 |
| 4 00 @ 5 00         | @ 4 50           | 2 00 @ 3 15                           |                 |
| 1 50 @ 2 00         | 1 50 @ 00        | Not sold.                             |                 |
| 1 40 @ 1 60         | 3 25 @ 3 75      | 6 00 @ 7 50                           |                 |
| @                   | @                | Not sold.                             |                 |
| @                   | 2 00 @ 3 75      | 2 60 @ 2 75                           | { 30" \$35 @ 40 |
| 18 00 @ 20 00       | 5 00 @ 6 00      | 3 50 @ 4 00                           | { 24" 8 @ 21    |
|                     |                  |                                       | { 20" 35 @ 14   |
|                     |                  |                                       | 11 00 @ 14 00   |
| 44 @ 54             | Piles 6c. P. ft. | Cut to order.                         |                 |
| 8 00 @ 10 00        | 10 00 @ 18 00    | P. 10 00 @ 22 00                      | 9 00 @ 13 00    |
| @                   | 25 @ 50          | 9 @ 21                                | 40 @ 1 25       |
| @                   | 25 @ 50          | Not sold.                             | 20 @ 30         |
| @ 55 00             | 45 00 @ 60 00    | 14 00 @ 30 00                         | 42 50 @ 47 50   |
| 80 00 @ 120 00      | 50 00 @ 120 00   | 35 00 @ 50 00                         | 100 00 @ 120 00 |
| 40 00 @ 60 00       | 60 00 @ 70 00    | 17 00 @ 25 00                         | 70 00 @ 80 00   |
| @ 180 00            | 160 00 @ 170 00  | 110 00 @ 170 00                       | 150 00 @ 250 00 |
| @ 350 30            | 120 00 @ 350 00  | 200 00 @ 250 00                       | 200 00 @ 400 00 |
| 45 00 @ 50 00       | 45 00 @ 50 00    | 12 00 @ 20 00                         | 25 00 @ 55 00   |
| @ 70 00             | @ 50 00          | 17 00 @ 27 00                         | 42 50 @ 55 00   |
| @ 70 00             | 50 00 @ 55 00    | 16 00 @ 28 00                         | 45 00 @ 55 00   |
| @ 90 00             | 65 00 @ 75 00    | 34 00 @ 40 00                         | 60 00 @ 75 00   |
|                     | 50 00 @ 65 00    | 25 00 @ 28 00                         | 57 50 @ 65 00   |
|                     | 50 00 @ 75 00    | 33 00 @ 50 00                         | @ 65 00         |
| 65 00 @ 70 00       | 60 00 @ 70 00    | 40 00 @ 45 00                         | 60 00 @ 75 00   |
| 60 00 @ 70 00       | @ 6              | per M. 600 00                         |                 |
| @ 6                 | 32 00 @ 25 00    |                                       |                 |
| 125 00 @ 150 00     | 45 00 @ 120 00   | 40 00 @ 75 00                         | 50 00 @ 170 00  |
| 45 00 @ 50 00       | 40 00 @ 45 00    | 14 00 @ 30 00                         | 25 00 @ 40 00   |
| @ 45 00             | 40 00 @ 42 00    | 31 00 @ 34 00                         | @ 42 00         |

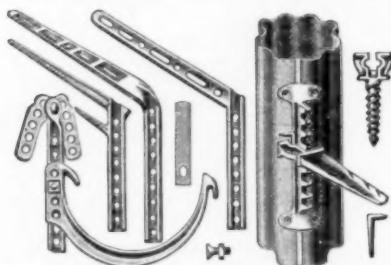


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|--------------------------------------|----------------|--------------------|-----------------|---------------------------|
| <b>BRICK.—P M.</b>                   |                |                    |                 |                           |
| Common; Cargo float.                 |                |                    |                 | In Yard.                  |
| Pale.....                            | 1 50 @ 2 00    | Eastern }          | Building Brick  | Sq. Hard @ 9 00           |
| Jersey.....                          | 4 00 @ 4 50    | 9 00 @ 10 00 }     | @ 5 00          | " @ 7 00                  |
| Long Island.....                     | @              |                    |                 | Salmon @ 5 00             |
| Up River.....                        | 4 75 @ 5 00    |                    |                 | Sq. " @ 9 00              |
| Haverstraw Bay 2d.....               | 4 75 @ 5 00    |                    |                 | Light Stretchers          |
| " 1st.....                           | 5 00 @ 5 25    |                    |                 | Medium " @ 10 00          |
| Hollow.....                          | @ 13 00        |                    |                 | Red " @ 12 00             |
| <b>Fronts:</b>                       |                |                    |                 | Dark " @ 13 00            |
| Croton.....                          | 9 00 @ 12 00   |                    |                 | Pressed " @ 13 00         |
| " dark.....                          | 10 00 @ 13 00  |                    |                 | 18 00 @ 20 00             |
| " red.....                           | 10 00 @ 13 00  |                    |                 | Best Paving @ 14 00       |
| Chicago pressed (Anderson).....      |                |                    |                 | Second " @ 13 00          |
| " Moulded.....                       |                |                    |                 | Third " @ 12 00           |
| Baltimore.....                       | 37 00 @ 41 00  |                    |                 | Dom. { @ 65               |
| Philadelphia.....                    | 23 00 @ 24 00  |                    |                 | @ 85                      |
| Trenton.....                         | @ 19 00        |                    |                 |                           |
| Milwaukee.....                       |                |                    |                 |                           |
| <b>Moulded:</b>                      |                |                    |                 |                           |
| Glens Falls Red Pressed.....         | @ 37 00        |                    |                 |                           |
| " " Buff.....                        | @ 30 00        |                    |                 |                           |
| " " Moulded Red & Buff.....          | 45 00 @ 70 00  |                    |                 |                           |
| <b>Enamelled: Imp.</b>               |                |                    |                 |                           |
| Enamelled (edge).....                | 85 00 @ 100 00 |                    |                 |                           |
| Enamelled (edge and end).....        | 90 00 @ 115 00 |                    |                 |                           |
| <b>CEMENT, LIME, etc.—(P cask.)</b>  |                |                    |                 |                           |
| Rosendale Cement.....                | 95 @ 1 10      | 1 15 @ 1 25        | Not sold.       | 1 30 @ 1 50               |
| Louisville.....                      |                | Brooks, S. & Co.   | 1 05 @ 1 15     | BS&Co 2 75 @ 3 00         |
| Utica, Akron, Buffalo, Milw'kee.     | Not sold.      | 2 40 @ 2 75        | 1 00 @ 1 10     | 2 85 @ 3 25               |
| Portland, English (Gibbs).....       | 2 25 @ 2 50    | 2 40 @ 2 75        | 3 00 @ 3 10     | 2 85 @ 3 15               |
| " " (K. B. & S.).....                | 2 50 @ 3 00    | 2 40 @ 2 75        | 3 00 @ 3 25     | 2 75 @ 3 00               |
| " " Black Cross.....                 | 2 25 @ 2 50    | 2 40 @ 2 75        | 3 00 @ 3 25     | 2 85 @ 3 15               |
| " " (Burnham).....                   | 2 50 @ 2 50    | 2 40 @ 2 75        | 2 90 @ 3 15     | 2 75 @ 2 85               |
| " " (White's).....                   | 2 55 @ 3 00    | 2 40 @ 2 75        | 3 00 @ 3 25     |                           |
| " French (Lafarge).....              | 3 50 @ 3 75    | @ 5 00             | 2 75 @ 4 25     |                           |
| " German (Alsen).....                | 2 90 @ 3 25    | 3 00 @ 3 50        | @ 3 20          | Hemmor 2 50 @ 2 75        |
| " " (Fower).....                     | 2 25 @ 2 40    |                    | 3 20 @ 3 40     | 2 75 @ 2 85               |
| " " (Vorwöhler).....                 | 2 50 @ 2 90    |                    |                 |                           |
| " " (Lagerdofer).....                | @              | 2 40 @ 2 75        | 2 75 @ 3 00     | 2 60 @ 2 75               |
| " " (Dyckerhoff).....                | 2 60 @ 2 90    | 3 00 @ 3 50        | 3 25 @ 3 50     | 3 00 @ 3 25               |
| " " (Hanover).....                   | 2 50 @ 3 00    | Condor 2 50 @ 2 75 | Not sold.       | 2 75 @ 2 85               |
| " " Stettin (Anchor).....            | 2 35 @ 2 85    | Wedge 2 40 @ 2 75  | Not sold.       |                           |
| " American (Saylor's).....           | 2 15 @ 2 25    | 2 15 @ 2 50        | 2 60 @ 2 70     | 2 70 @ 3 00               |
| Roman.....                           | 2 75 @ 3 00    | @ 3 50             | 2 75 @ 3 25     | 3 00 @ 3 50               |
| Keene's coarse.....                  | 4 50 @ 5 30    | @ 6 00             | 6 00 @ 7 00     | 6 50 @ 7 00               |
| " superfine.....                     | 5 00 @ 5 50    | 7 00 @ 9 00        | 9 00 @ 10 50    | 8 00 @ 9 00               |
| <b>Lime:</b>                         |                |                    |                 |                           |
| Lime of Teil.....                    | 3 50 @ 4 00    |                    | Not sold.       | White Lime P bush 25 @ 30 |
| Hydraulic Lime.....                  | @ 1 45         | @ 1 35             | 60 @ 70         | { White Mash 1 25 @ 1 50  |
| Chicago Lime in bulk.....            | { St. John     | St. John 1 00      | 60 @ 70         | 1 00 @ 1 00               |
| Wisconsin Lime.....                  | { 85 @ 87 }    |                    | Not sold.       |                           |
| Rockland and Rockport, (Com.).....   | @ 95           | @ 1 05             | Not sold.       |                           |
| Rockland and Rockport, finish.....   | @ 1 10         | @ 1 10             | Not sold.       |                           |
| Kelley Island Lime, finish.....      | @              | @ 1 20             | 1 00 bulk, 75c. |                           |
| State, com. cargo rates (nom.).....  | 80 @ 85        | Not sold.          | Not sold.       |                           |
| State, finishing.....                | 1 05 @ 1 10    | Not sold.          | Not sold.       |                           |
| Plaster of Paris (calined).....      | 1 40 @ 1 50    | 1 85 @ 2 00        | 1 85 @ 1 90     | Not sold.                 |
| " (casting).....                     | 15 @ 1 60      | @ 2 25             | 1 85 @ 1 90     | 1 50 @ 2 25               |
| Hair (Cattle) P bush.....            | 21 @ 21        | 25 @ 30            | 16 @ 20         | 1 75 @ 2 50               |
| " (Goat).....                        | 21 @ 25        | @ 30               | 30 @ 35         | 20 @ 25                   |
| Sand, P load.....                    | 1 00 @ 1 25    | 1 75 @ 1 90        | @ 60            | 30 @ 35                   |
| <b>STONE.—(P cubic foot, rough.)</b> |                |                    |                 | @ 1 50                    |
| <b>Granite: (Maine)</b>              |                |                    |                 |                           |
| <b>Limestone:</b>                    |                |                    |                 |                           |
| Bedford.....                         | 45 @ 1 25      | 95 @ 1 00          | 50 @            | 55 @ 65                   |
| Joliet.....                          | 1 00           |                    | 35 @ 55         | 75 @ 85                   |
| Lemont.....                          |                |                    | 3 @ 60          | Richmond P 75 @ 1 50      |
| Serpentine.....                      |                |                    | @ 1 00          | Perch 4 50 @ 5 50         |



**BUILDING MATERIALS.**

New York.

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Chicago.

Philadelphia.

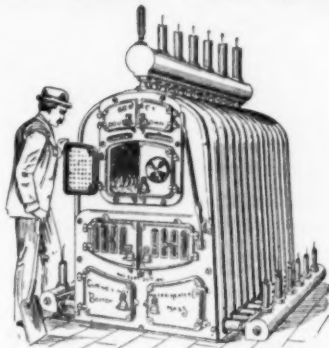
|                                                  | (Wholesale Prices.) | (Prices to Builders and Contractors.) |                  |                                |
|--------------------------------------------------|---------------------|---------------------------------------|------------------|--------------------------------|
| <b>Foundation:</b>                               |                     |                                       |                  |                                |
| Dimension.....                                   | 5 00 @ 500          | 5 00 @ 500                            |                  |                                |
| Block.....                                       | 4 60 @ 500          | 4 60 @ 500                            |                  |                                |
| Rubble.....                                      | 1 25 @ 1 50         | 1 25 @ 1 50                           |                  |                                |
| <b>Blue-stone: (P sq. ft.)</b>                   |                     |                                       |                  |                                |
| Sidewalk.....                                    | 30 @ 5 00           | 40 @ 1 75                             | 75 @ 1 00        | 50 @ 1 00                      |
| Planed.....                                      | 50 @ 6 00           | 75 @ 1 00                             | 50 @ 1 00        |                                |
| <b>Sandstone:</b>                                |                     |                                       |                  |                                |
| Longmeadow.....                                  | 80 @ 80             | 90 @ 90                               |                  |                                |
| Kibbe.....                                       | 90 @ 90             | 90 @ 1 10                             |                  |                                |
| Brown (Connecticut).....                         | 1 00 @ 95           | 1 25 @ 1 45                           | 1 50 @ 1 50      | 1 05 @ 1 25                    |
| Amherst Ohio.....                                | 90 @ 95             | 90 @ 1 00                             | 45 @ 50          | 85 @ 95                        |
| Berea.....                                       | 1 75 @ 1 00         | 85 @ 90                               | 45 @ 55          | 55 @ 75                        |
| Berlin.....                                      | 75 @ 1 00           | 80 @ 90                               | 55 @ 65          | 85 @ 95                        |
| Belleville.....                                  | 80 @ 1 25           | 1 25 @ 1 35                           | 8 @ 1 25         | 1 00 @ 1 10                    |
| New Brunswick (Dorchester).....                  | 80 @ 1 00           | 75 @ 90                               |                  | 1 05 @ 1 15                    |
| Caen.....                                        | 80 @ 1 00           | 75 @ 90                               |                  | 1 25 @ 1 35                    |
| Carlisle, English.....                           | 80 @ 1 05           | 75 @ 90                               |                  | 95 @ 1 05                      |
| Corse Hill (Scotch).....                         | 80 @ 1 05           | 75 @ 90                               |                  | 95 @ 1 05                      |
| <b>Marble: (P cu. ft.)</b>                       |                     |                                       |                  |                                |
| Lee, Mass.....                                   | 1 25 @ 1 75         | 1 75 @ 2 50                           | Not Sold.        | 2 00 @ 2 50                    |
| Rutland, white and blue.....                     |                     | 3 00 @ 3 00                           | 3 50 @ 6 00      | 2 00 @ 3 00                    |
| Sutherland Falls.....                            |                     | 2 00 @ 2 00                           | 3 50 @ 6 00      | 1 70 @ 3 00                    |
| Glens Falls, black.....                          |                     |                                       | Not Sold.        | 4 00 @ 4 50                    |
| Italian, blue-veined.....                        |                     |                                       | 4 40 @ 4 40      | 2 50 @ 2 75                    |
| " Sienna.....                                    |                     |                                       | Not Sold.        | 4 00 @ 5 00                    |
| Tennessee, red.....                              |                     |                                       | 4 40 @ 4 40      | 4 00 @ 6 00                    |
| " Knoxville.....                                 |                     |                                       | Not Sold.        | 3 00 @ 4 00                    |
| Pennsylvania, blue.....                          |                     |                                       | 3 50 @ 6 00      | 2 00 @ 3 00                    |
| Vermont, white.....                              |                     |                                       |                  | 2 25 @ 3 00                    |
| <b>Slate: Roofing (P square)</b>                 |                     |                                       |                  |                                |
| " green.....                                     | 5 00 @ 6 00         | 4 75 @ 5 25                           | 5 50 @ 6 10      | 2 30 @ 3 00                    |
| " unfading.....                                  | 5 00 @ 6 00         | 5 50 @ 6 50                           | 6 50 @ 7 10      | 3 25 @ 3 75                    |
| " purple.....                                    | 5 00 @ 6 00         | 5 50 @ 6 50                           | 6 50 @ 7 10      | 3 50 @ 4 50                    |
| " red.....                                       | 4 25 @ 4 75         | 10 00 @ 11 00                         | 12 00 @ 14 00    | 50 @ 10 25                     |
| " black, Lohigh.....                             |                     |                                       | 6 25 @ 6 85      | 25 @ 4 00                      |
| " Chapmans.....                                  | 5 50 @ 8 00         | 5 50 @ 8 00                           | 7 30 @ 8 00      | 00 @ 4 65                      |
| Tiles, Am.....                                   |                     |                                       | 6 00 @ 9 00      | 5 50 @ 8 00                    |
| N. Peach Bottom, warranted unfading.....         |                     |                                       | Not Sold.        | 6 00 @ 25 00                   |
| <b>PAINTS. (In Oil P lb.)</b>                    |                     |                                       |                  |                                |
| White lead, Am.....                              | 7 @ 7 1/2           | 6 1/2 @ 7                             | 7 @ 7 1/2        | 7 @ 7 1/2                      |
| " zinc.....                                      | 5 @ 8               | 6 1/2 @ 8                             | 5 @ 10 1/2       | 7 @ 7 1/2                      |
| Red lead, Am.....                                | 6 1/2 @ 7           | 6 1/2 @ 7                             | 6 1/2 @ 7        | 7 @ 7 1/2                      |
| " Venetian.....                                  | 6 @ 10 1/2          | 7 @ 12                                | 1 1/2 @ 2 1/2    | 7 @ 7 1/2                      |
| " Vermilion.....                                 | 65 @ 70             | 70 @ 5 dry                            | 65 @ 68          | 7 @ 7 1/2                      |
| " Indian, Eng.....                               | 12 @ 20             | 12 @ 20                               | 12 @ 20          | 7 @ 7 1/2                      |
| Yellow Ochre.....                                | 12 @ 20             | 18 @ 25                               | 15 @ 25          | 7 @ 7 1/2                      |
| " Chrome.....                                    | 8 @ 13              | 8 @ 20                                | 8 @ 20           | 7 @ 7 1/2                      |
| Green (chrome).....                              | 25 @ 40             | 25 @ 40                               | 18 @ 35          | 21 @ 21                        |
| Black, lamp.....                                 | 15 @ 25             | 15 @ 25                               | 8 @ 30           | 15 @ 20                        |
| Blue, ultramarine.....                           | 12 @ 18             | 18 @ 30                               | 12 @ 35          | 8 @ 12                         |
| Oil, linseed, (raw).....                         | 55 @ 62             | 48 @ 49                               | 57 @ 60          | 10 @ 24                        |
| " boiled.....                                    | 58 @ 65             | 51 @ 52                               | 60 @ 63          | 60 @ 60                        |
| Turpentine.....                                  | 36 @ 37             | 34 @ 34                               | 40 @ 42          | 63 @ 63                        |
| Varnish, coach.....                              |                     | 1 50 @ 6 00                           | 1 25 @ 2 00      | 44 @ 44                        |
| Shellac.....                                     | 2 @ 2               | 2 50 @ 3 00                           | 2 25 @ 4 00      | 125 @ 3 00                     |
| Putty.....                                       | 75 @ 1 00           | 1 @ 1 1/2                             | 2 @ 2 1/2        | 150 @ 3 00                     |
| Whiting.....                                     | 1 30 @ 2 00         | 2 @ 3                                 | 1 1/2 @ 2 1/2    | 2 @ 2 1/2                      |
| Paris white, (Eng.).....                         | 6 @ 6               | 6 1/2 @ 7                             | 6 1/2 @ 7        | 2 @ 2 1/2                      |
| Litharge, Am.....                                | 14 @ 20             | 14 @ 20                               | 4 @ 16           | 1 1/2 @ 2                      |
| Sienna (burnt).....                              | 14 @ 20             | 14 @ 20                               | 2 @ 10           | 4 @ 14                         |
| Umber.....                                       |                     |                                       |                  | 2 @ 13                         |
| <b>HARDWARE.</b>                                 |                     |                                       |                  |                                |
| Nails: (Per Cask.) Spikes, (wrought).....        | @ 2 85              | @ 2 20                                | 2 35 @ 3 50      | per keg @ 2 25                 |
| 10d. common.....                                 | @ 2 60              | @ 2 20                                | @ 1 95           | @ 2 30                         |
| Shingle.....                                     | @ 3 35              | @ 2 65                                | @ 2 35           | @ 2 60                         |
| Lath.....                                        | @ 4 85              | @ 3 20                                | @ 3 25           | @ 2 60                         |
| (Finishing nails according to size).....         | @ 6                 | @ 6                                   | Add 8c to \$2.25 | 3 60 @ 4 75                    |
| (For casing nails add 75 c. per keg.).....       | @ 6                 | @ 6                                   | 11.50 to .90     | per lb. 4 @ 6                  |
| <b>Butts: 4" x 4"..... (P doz. pairs).....</b>   |                     |                                       |                  | Add per cask 2 90 (all kinds.) |
| Plain.....                                       | @ 1 00              | @ 1 20                                | @ 90             | @ 90                           |
| Japanned.....                                    | @ 1 50              | @ 1 75                                | Not Sold.        | 1 35 @ 2 00                    |
| Acorn, Japanned.....                             | @ 65                | @ 1 90                                | 2 00 @ 3 75      | 1 35 @ 2 75                    |
| Ball Tip, Boston Finish..... (P pair).....       | @ 1 90              | plain 1 65                            | 2 00 @ 3 25      | 48 @ 50                        |
| Bronze metal.....                                | @ 10                | @ 10                                  | @ 12             | @ 1 25                         |
| Brass (for cupboards).....                       | @ 10                | @ 10                                  | @ 12             | @ 1 00                         |
| Ebony.....                                       | @ 8                 | @ 8                                   | @ 10             | 37 @ 1 00                      |
| Apple wood.....                                  | @ 8                 | @ 8                                   | @ 10             | @ 8                            |
| <b>Knobs: (P set).....</b>                       |                     |                                       |                  | Not Sold.                      |
| Mineral, best.....                               | @ 50                | @ 75                                  | 65 @ 80          | 25 @ 80                        |
| Lava.....                                        | Not Sold.           | 17 @ 33                               | 31 @ 40          | @ 25                           |
| Hemacite.....                                    | @ 30                | @ 10                                  | 25 @ 30          | @ 25                           |
| Porcelain.....                                   | Not Sold.           | @ 50                                  | Not Sold.        | @ 25                           |
| Glass, solid.....                                | Not Sold.           | 88 @ 1 00                             | @ 1 50           | 1 00 @ 2 50                    |
| Glass, silvered.....                             | 75 @ 2 00           | 50 @ 3 00                             | 50 @ 3 00        | 1 75 @ 2 00                    |
| Bronze metal.....                                | 1 00 @ 2 50         | 50 @ 3 00                             | 1 00 @ 3 00      | 50 @ 3 50                      |
| Brass.....                                       |                     |                                       | 14 @ 16          | 75 @ 1 25                      |
| <b>Solder:</b>                                   |                     |                                       |                  | 13 1/2 @ 16                    |
| Sheet Lead.....                                  | @ 7 1/2             | @ 7 1/2                               | @ 7              | @ 6 1/2                        |
| Lead Pipe.....                                   | @ 6 1/2             | @ 6 1/2                               | @ 6              | @ 6                            |
| <b>Iron:</b>                                     |                     |                                       |                  |                                |
| I-Beams, up to and including 30 ft.....          | 3 3-10 @ 3 1/2      | @ 3 4-10                              | @ 2 50           | @ 2 8-10                       |
| do. over 30 ft., 1/2 c. adv. for every 5 ft..... | 3 3-10 @ 3 1/2      | @ 3 4-10                              | @ 2 50           | @ 2 8-10                       |
| Channel Beams.....                               |                     |                                       | @ 2 50           | @ 2 8-10                       |

**FLUCTUATIONS.**

Chicago, Ill. — There is nothing to say as to "Market Reports," except they remain quiet and about as quoted. At present there is little demand for materials outside of the city, and not much here. What work there is in progress is liable to be stopped at any time by changes of weather.

New York, N. Y. — The prices of Common Bricks have advanced from 50 to 75 cents per M. since last reports.

**The GURNEY "DOUBLE CROWN"**



**HOT WATER HEATER FOR LARGER WORK.**

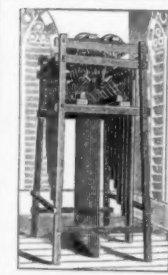
THIS heater has waterway front and back ends with double return flues at bottom, thus utilizing and exhausting the heat thoroughly before reaching the chimney. The fire is at the top. Water is delivered immediately into the pipes at a high temperature. Has very large grate and heating areas. Send for our trade catalogue. It is most complete and instructive.

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Fire Brick, Lime,  
Cement, Sewer Pipe, Etc.,  
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Established in England.  
Introduced here.  
Lighter in Weight  
Sweeter in Tone  
Cheaper in Price  
Than the ordinary bell  
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**ANTINONNIN**

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**DRY ROT, FUNGI, MILDEW,  
MOLD AND CRYPTOGAMS.**  
and is available for both Wood-work and Masonry.  
This new substance is a product of the **FABRIKEN** vorm. **FRIEDR. BAYER & CO.**, Elberfeld, Germany. It has been thoroughly examined and tested by Professors **V. MILLEK** and **HARZ**, who have stated that  
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**ANTINONNIN** is odorless, non-volatile, soluble in water, and makes eligible mixtures with Lime and other distemper applications.  
**ANTINONNIN** penetrates wood and remains in it, forming a perfect protection against fungi, mildew, and continuous dampness.  
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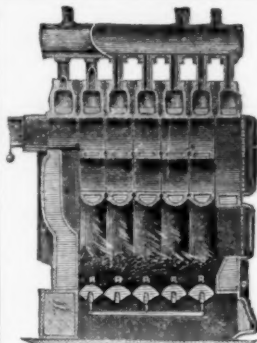
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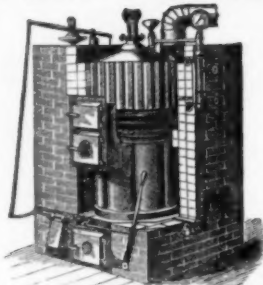
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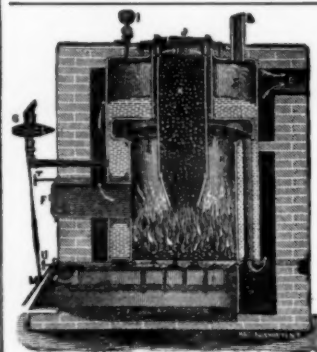
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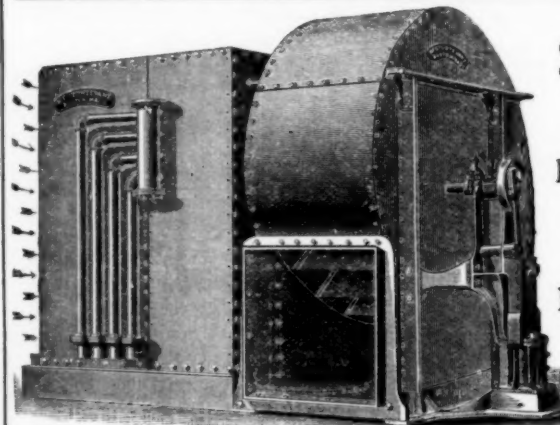
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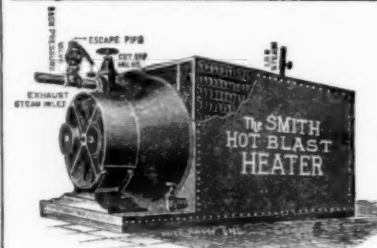
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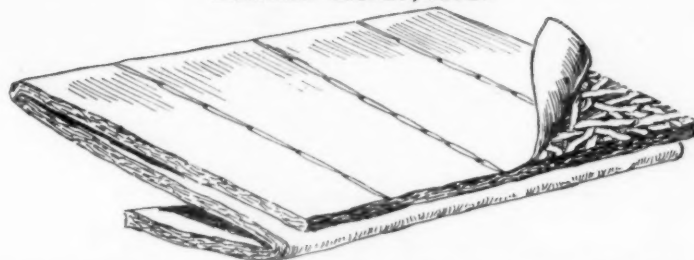
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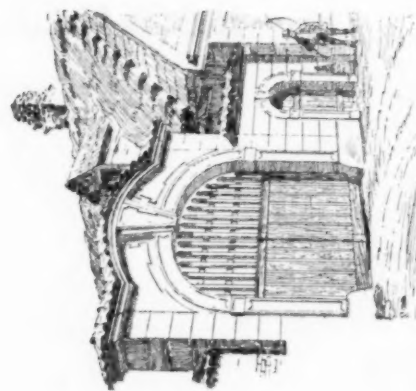
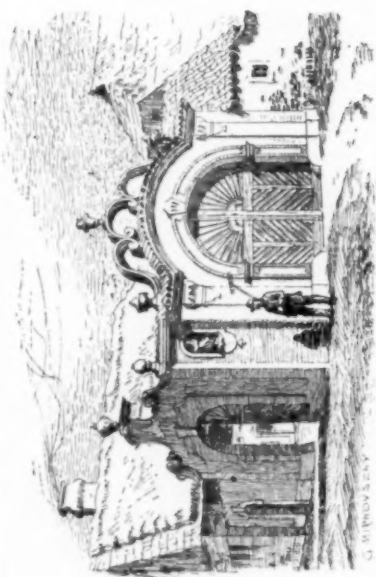
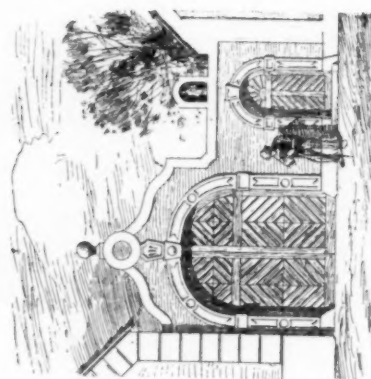
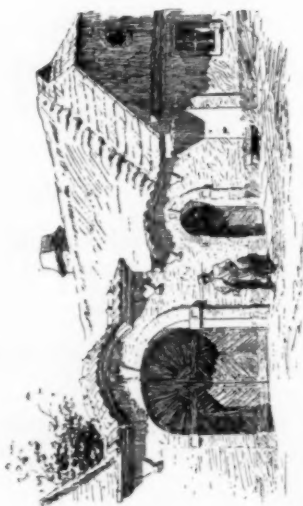
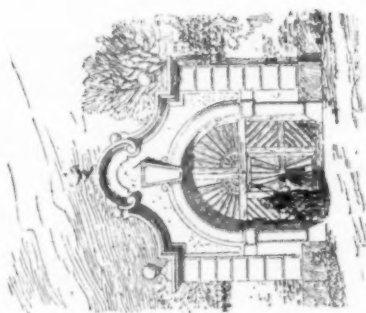
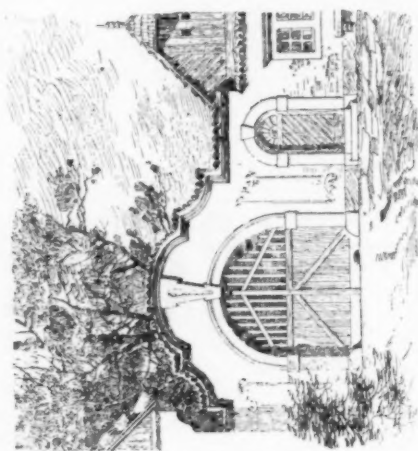
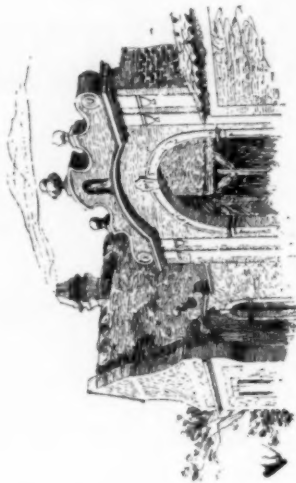
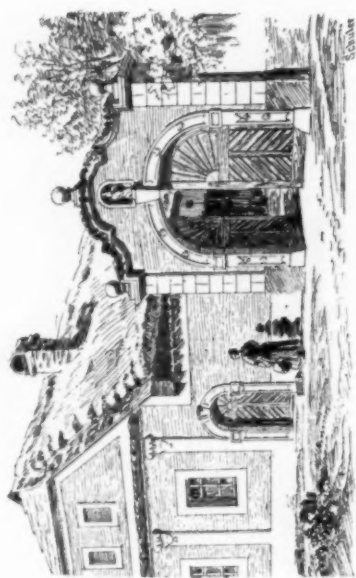
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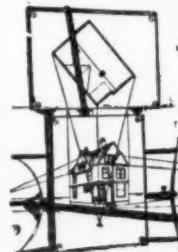
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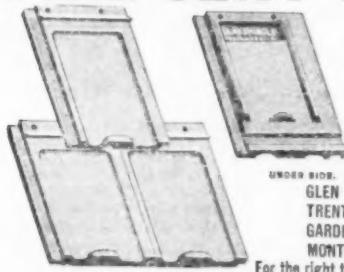
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## VARNISH IN ARCHITECTURE. RECORDS.

One of the most valuable guides for an Architect in writing his specifications is the record of an article. While there may be and doubtless are many meritorious articles that have failed to win a record, or are still striving for that desirable goal, it is a safe rule to pin one's faith to the article with a proven and acknowledged record for efficiency.

Among the numerous articles embraced by the specifications of an Architect, it is doubtful if there is any one thing in which record is of more importance than Varnish, especially now that natural wood finishing for interiors prevails.

The quality of varnish cannot be demonstrated until it is applied, and then it is too late to recall a mistake, so inasmuch as there are many worthless varnishes offered, "record" is a valuable guide for both Architect and Consumer.

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### BUILDING INTELLIGENCE.

(Factories Continued.)

B. two-st'y brick factory, tar and gravel roof; cost, \$10,000; owner, John W. Brookman, lessee, John J. Radley, 157 East Thirty-seventh St.; architect, Wm. M. Farrar, 414 West Twenty-third St.  
Vanderbilt Ave., e s, 185' x One Hundred and Seventy-second St., three-st'y brick factory, galvanized iron or steel roof; cost, \$10,000; owner, George C. Dressel, 709 East One Hundred and Seventy-third St.; architect, J. J. Vreeland, 711½ Tremont Ave.

Forty-first St., s s, 200' w Tenth Ave., five-st'y brick factory, tin roof; cost, \$20,000; owner, Paul Pryibel, 439 West Forty-seventh St.; architect, G. F. Pelham, 1481 Broadway.

Greenwich St., Nos. 474-476, six-st'y brick factory, tin roof; cost, \$40,000; owner, Samuel Weil, 222 Lenox Ave.; architect, G. F. Pelham, 1481 Broadway.

Philadelphia, Pa. — Eighteenth St., n Washington Ave., one-st'y factory; contractor, S. J. Humphrey, 2335 Carlisle St.

### HOTELS.

Washington, D. C. — Erection of four-st'y hotel to cost about \$200,000 is contemplated in the suburbs; architect, Richard Ough.

### HOUSES.

Asbury Park, Pa. — Grand Ave., bet. Third and Fourth Aves.; owner, Mrs. E. A. Martin.

Baltimore, Md. — Three-st'y brick dwell. at 1211 Patterson Ave.; contractor, I. H. Warthan.  
Seven two-st'y brick dwells.; contractor, I. K. Hubbard.

Thirteen two-st'y brick dwells.; contractor, J. H. Pentz.  
Seven two-st'y brick dwells.; contractor, J. W. Amos.

Three-st'y brick dwell.; contractor, W. H. Wehn.  
Six two-st'y brick dwells. on Townsend St.; contractor, C. Grof, 1630 Orleans St.  
Three-st'y brick dwell.; cost, \$18,000; contractor, P. Paddington, 1344 Aisquith St.

Boston, Mass. — Branch Ave., near Ditson St., Ward 24, three-st'y frame dwell., flat roof, 22' x 35'; owner, Jennie G. Milton; architect, C. A. Milton.

Centre St., No. 802, Ward 23, frame dwell., 32' x 50'; owner, M. D. Esterbrook; builder, T. A. Carter.  
Centre St., cor. Boylston Terrace, Ward 23, frame dwell., 28' x 50'; owner, F. P. Kurtz; builder, J. P. Campbell.

Kinross Road, near Commonwealth Ave., Ward 25, frame dwell., 39.6' x 43.6'; owner, Mrs. J. H. Rogers; builder, E. L. Rogers.

Day St., No. 96, Ward 22, three-st'y frame dwell., flat roof, 25.8' x 53'; owner, Eliza Hyde; builder, J. H. Laskey.

Armory Terrace, near Armory St., Ward 23, three-st'y frame dwell., 22' x 32'; owner, Mrs. Barbara Albrecht; builder, F. Aberle.

Ashmont St., near Adams St., Ward 24, 2 frame dwells., 22' x 37'; owners, Legg & Jacques; builder, G. D. Grouse.

Bumstead Lane, near Tremont St., Ward 22, three-st'y frame dwell., flat roof, 22' x 40'; owners, Rose Gately and Bridget Fuller; builder, M. J. O'Brien.

Withington St., Nos. 54-56, Ward 24, 2 three-st'y frame dwells., flat roofs, 22' x 53'; owner, W. G. Kelley; builder, W. B. Kelley.

Hillside St., near Sachem St., Ward 22, three-st'y frame dwell., pitch roof, 25' x 50'; owner, Thomas Sullivan; builder, D. Cameron.

Paul Gore St., near Centre St., Ward 23, three-st'y frame dwell., pitch roof, 32.6' x 64'; owner, Catherine Splain; builder, T. F. Maguire.

Shelton St., near Wrentham St., Ward 24, three-st'y frame dwell., flat roof, 32' x 60'; owner and builder, Michael Ryan.

Waverley St., near Western Ave., Ward 25, three-st'y frame dwell., pitch roof, 25' x 38'; owner, C. O. Olson; builders, Alcock & McKay.

Roxton St., near Glen Road St., Ward 24, 2 frame dwells., 20' x 31'; owner, Harriet L. Gunnison; builder, H. J. Rice.

Chester, Pa. — Fourteenth and Potter Sts., dwell.; owner, T. Newlin.  
Third St., s Chester St., 6 dwells.; owner, H. J. Riley.

Cincinnati, O. — Anton Reig, three-and-one-half-st'y brick and stone dwell., s s Corry St.; cost, \$3,000; architects, Reig & Marty.

Mrs. M. W. Foote, two-and-one-half-st'y brick and stone dwell., n s Burdette St., cost, \$5,500; architect, A. R. James.

Geo. Roekler, two-and-one-half-st'y brick and stone dwell., Madisonville Road; cost, \$5,000; architect, W. W. Franklin.

Michael Hutzelman, two-and-one-half-st'y brick and stone dwell., s w Baltimore Park; cost, \$3,800; architect, Jos. Steinkamp.

Jno. F. Pogue, two-and-one-half-st'y brick and stone dwell., s e McGregor St.; cost, \$5,000; architect, S. S. Godley.

Jno. Reimarch, three-and-one-half-st'y brick and stone dwell., and one-st'y brick and stone bake-oven and stable, St. Clair and Vine Sts.; cost, \$6,000; architects, Reig & Marty.

Michael Coyne, two-and-one-half-st'y brick and stone dwell., n s McMillan St.; cost, \$3,200; architects, Reig & Marty.

Henry Klaene, two-st'y wood and frame dwell., s w Highland Ave.; cost, \$3,000; architect, H. E. Getto.

C. H. Hirsch, two-and-one-half-st'y wood and

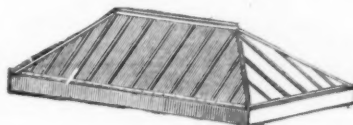
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### BUILDING INTELLIGENCE.

(Houses Continued.)

frame dwell., w s Ashland Ave.; cost, \$3,800; architect, G. A. Lindsay.

J. L. Lincoln, two-and-one-half-st'y brick and stone dwell., Euclid St. and Grandin Road; cost, \$20,000; architect, Franklin.

Germantown, Pa. — Duncannon St., n w cor. America St., 4 two-st'y dwells.; contractor, D. Trumbour, Washington Hotel.

Phillena and Pellman Sts., 2 two-st'y brick and stone dwells.; contractors, Wendell & Smith.

Dennie St., near Wayne Junction, 20 two-st'y dwells.; contractor, J. Mole.

Wayne and Bristol Sts., 9 two-st'y stone and brick dwells.; owner, M. Hagan.

Kennett Square, Pa. — Four frame dwells.; contractor, W. W. Gauthrop.

Lancaster, Pa. — Three-st'y brick dwell., with stable and coachman's quarters in rear; owner, J. F. Brimmer; architect, R. C. Lora, 1305 Arch St., Philadelphia.

Media, Pa. — Fifty-ninth St., s Sanderson Ave., two-st'y dwell.

Melrose, Pa. — Three-st'y stone and shingle dwell.; architect, H. Hager, Manhattan Life Building; contractor, C. P. Nesbitt, 425 Locust St.

St. Louis, Mo. — Two-st'y brick dwell., s s Page St., bet. Jones and Sarah Sts.; cost, \$4,000; owner, F. A. Wankoff; contractor, H. Singleton.

Two-st'y brick dwell., n s Cook Ave., bet. King's Highway and Academy Ave.; cost, \$5,000; owner, H. B. Crole; contractor, J. W. Nothstine.

Two-st'y brick dwell., n s Shenandoah St., bet. Compton and Louisiana Aves.; cost, \$4,700; owner, F. E. Zelle; contractor, F. J. Hall.

One-st'y frame dwell., e s Sophia St., bet. San Francisco and Sacramento Sts.; cost, \$4,000; owner, Julius Henner; contractor, Emil Henner.

Two-st'y brick dwell., e s Virginia St., bet. Osceola and Meremac Sts.; cost, \$4,000; owner, W. F. Lancaster; contractor, Geo. Ibers.

Two-st'y brick dwell., s s McPherson St., bet. Boyle and Newstead Aves.; cost, \$7,150; owner, Mrs. W. C. Buchanan; contractor, S. L. Jones.



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## BUILDING INTELLIGENCE.

(Houses Continued.)

Two-sty dwell., w s Louisiana St., bet. Shenandoah and Sydney Sts.; cost, \$5,500; owner, A. Dietmeyer; contractor, J. D. Dunlap.  
Three-sty brick dwell., w s Twentieth St., bet. Herbert and St. Louis Aves.; cost, \$5,000; owner, Wm. F. Kilne; contractors, Phil Richers & Son.  
Two-sty dwell., s s Castleman St., bet. Grand and Cabanne Aves.; cost, \$6,500; owner, Jas. Burnaugh; contractors, W. P. Sloss & Bro.

Two-sty dwell., n s Cates St., bet. Clara and Goodfellow Aves.; cost, \$5,000; owner, Naman Brown; contractors, W. P. Sloss &amp; Bro.

Two-sty dwell., n s Westminster St., bet. Newstead and Boyle Aves.; cost, \$15,000; owner, J. S. Fullerton; contractors, Goosse &amp; Remmers.

Two-sty dwell., n s Westminster St., bet. Newstead and Boyle Aves.; cost, \$15,000; owner, J. S. Fullerton; contractors, Goosse &amp; Remmers.

Two-sty dwell., e s Iowa St., bet. Neumbago and Chippawa Sts.; cost, \$4,000; owner and contractor, H. Ellermain.

Two two-sty dwells., Cook and Taylor Aves.; cost, \$6,000; owner and contractor, J. C. Newberry.

Two-sty dwell., s s Marcus St., bet. Kennedy and College Aves.; cost, \$9,000; owner, Julius A. Henner; contractor, E. Henner.

Two-sty dwell., n s Washington St., bet. Newstead and Taylor Aves.; cost, \$5,000; owner, Mrs. F. Pollock; contractor, J. A. Thoburn.

## OFFICE-BUILDINGS.

Boston, Mass.—Hancock St., near Columbia St., Ward 24, one-sty frame office, flat roof, 30' x 45'; owner, W. T. McKeehin; builder, W. J. Jobling.

## SCHOOL-HOUSES.

Cincinnati, O.—Bard of Education, three-sty brick and stone school-house, s w Ashland Ave.; cost, \$105,000; architect, H. E. Siter.

## STABLES.

Cincinnati, O.—W. H. Dunkman, two-sty brick and stone stable, s s Clark St.; cost, \$11,500; architect, Emil Baude.

Philadelphia, Pa.—Halt St., No. 1006, two-sty stable; contractor, J. Muldoon, 1232 Austin St.

Wabashfield St., No. 4554, one-sty stable; contractor, F. May, Forty-third and Wistar Sts.

Church St., w Musgrove St., two-sty stable; contractor, H. Rue, 5259 Adams St.

Bertram Ave. and Eighty-seventh St., two-sty stable; owner, P. Berry.

Melon St., Nos. 3729-31, two-sty stable; contractor, Jas. R. Brown, 650 North Thirty-ninth St.

Forty-third St., n Lancaster Ave., one-sty stable; owner, Charles M. Cullen, 4317 Lancaster Ave.

Worcester, Mass.—Fairmount St., one-and-one-half-sty frame stable; owner, Bruno Trombly; contractor, J. A. Courtmachne.

## STORES.

Philadelphia, Pa.—Front St., n Cambria St., store and stable; contractor, V. Lind, 3210 Leo St.

North Fifteenth St., No. 3305, one-sty store; owner, John Stoll, 3301 North Fifteenth St.

Greenwich Point, one-sty store and one-sty engine-house; contractors, Sharpless &amp; Carpenter, 114 South Delaware Ave.

Chicago, Ill.—B. Daab, 2 three-sty stores and flats, 873-875 West Superior St.; cost, \$4,500.

J. Thompson, two-sty store and flats, 204 Montrose Boulevard; cost, \$3,000.

B. Ross, 3 four-sty stores and flats, 2-8 Lincoln Ave.; cost, \$10,000.

Fredk. Haase, two-sty store and flats, 1021 Washenaw Ave.; cost, \$6,500.

J. Patz, two-sty store and flats, 1683 West Twelfth St.; cost, \$6,000.

Elgin Perkins, 2 five-sty stores and flats, 161-163 Nineteenth St.; cost, \$30,000.

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Fronts for Buildings, Cornices, Lintels and Sills, Doors and Shutters, Girders and Beams, Fire-escape Balconies and Ladders, Columns and Roofs, Sky and Floor Lights, Stable Fittings and Fixtures, Sidewalk Lights. Artistic work in Wrought and Cast Iron, Brass and Bronze. Designs and Estimates of Cost Furnished for Work in any Department.

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## BUILDING INTELLIGENCE.

(Stores Continued.)

Frank Foretko, three-sty store and flats, 1379 West Twenty-second St.; cost, \$7,000.

E. A. Hughes, one-sty store, 316-318 Sixty-third St.; cost, \$3,000.

Paul Jaeschko, four-sty store and flats, 72 Centre St.; cost, \$10,000.

J. Karl, three-sty store and flats, 1142 North Halsted St.; cost, \$3,000.

John Griffin, four-sty store and dwell., 839 South Halsted St.; cost, \$4,000.

V. Sopr, three-sty store and flats, 1150 Sawyer Ave.; cost, \$4,700.

Herman Vizents, two-sty store and flats, 1397 Ogden Ave.; cost, \$3,000.

H. Ackermann, three-sty store and flats, Armitage Ave. and Humboldt St.; cost, \$4,500.

M. Michael, 2 three-sty stores and flats, 769-771 South Halsted St.; cost, \$10,500.

William Kent, four-sty store and flats, 594-596 Forty-third St.; cost, \$35,000.

James Leahy, four-sty store and flats, 3244 State St.; cost, \$7,000.

George Keenan, two-sty store and flats, 184 Central Park Ave.; cost, \$8,500.

Cincinnati, O.—H. H. Morrill, two-sty brick and stone store, n e cor. Eighth St.; cost, \$3,800; architects, Gianini &amp; Noonan.

B. H. Sindman, three-sty brick and stone store and dwell., 1075 Vine St.; cost, \$4,000; architects, Reig &amp; Marty.

New York N. Y.—Greene St., w s, 48' 13.4" s Bleeker St., three-sty brick store; cost, \$6,500; owner, Isaac Stiefel, 55 East Sixty-fifth St.; architects, Buchman &amp; Deisler, 11 East Fifty-ninth St.

St. Louis, Mo.—Two-and-one-half-sty store and dwell., n w cor. Utah and Lemay Aves.; cost, \$8,700; owner, Geo. Huehner; contractor, F. J. Hall.

Two-and-one-half-sty store and dwell., e s Sixth St., bet. Poplar and Pine Sts.; cost, \$3,000; owner and contractor, J. W. Donnell.

Three-sty brick store and dwell., n w cor. Ninth and Lamt Sts.; cost, \$6,000; owner, Jos. Neimeyer; contractors, Wm. Gahe &amp; Co.

## WAREHOUSES.

Cincinnati, O.—W. Stacey, two-sty brick and stone warehouse, s s Gilbert Ave.; cost, \$4,000; architect, E. Easley.

Philadelphia, Pa.—Sixth St., n Lombard St., four-sty warehouse; contractor, Chas. L. Hill, 208 Carpenter St.

## MISCELLANEOUS.

Baltimore, Md.—Convent and chapel to be built by the Sisters of Bon Lecours; Mother Honarat, of the Order, 2212 West Baltimore St., can give information.

Boston, Mass.—Friend St., junction Merrimac St., Ward 7, three-sty brick hook and ladder house, flat roof, 23.5' x 72.10'; owners, City of Boston; builders, W. L. Clark &amp; Co.

Terrace St., near Allegheny St., Ward 22, four-sty brick storage, flat roof, 73.6' x 88.2'; owners, Union Brewing Co.

Chardon St., near Green St., Ward 7, four-sty brick exchange, flat roof, 22.6' x 72.8'; owners, New England Telephone &amp; Telegraph Co.

Chicago, Ill.—Leon Bros., two-sty laundry and flats, 236 South Paulina St.; cost, \$4,000.

J. E. Andrews, five-sty storage-building, 380 Wabash Ave.; cost, \$30,000.

Cincinnati, O.—Bellvue Brew. Co., brick and stone storage and warehouse, s s McMicken Ave.; cost, \$3,000; architect, Martin Fisher.

Jos. S. Anderson, four-sty brick and stone storage and dwell., s n Fifteenth St.; cost, \$7,000; architects, Reig &amp; Marty.

B. &amp; O. S. W. R. E., one-sty brick and stone engine-house, n s Sassafras St.; cost, \$6,000; architects, Jas. Stewart &amp; Co.

Jacksonville, Fla.—The Knights of Pythias con-

## BUILDING INTELLIGENCE.

(Miscellaneous Continued.)

template the building of a sanitarium to cost \$125,000.

Long Branch, N. J.—Building to cost \$4,500, for Margaret Ferns; contractor, R. Toppin.

New York, N. Y.—West Forty-fourth St., No. 44, six-sty brick club-house, copper and tin roof; cost, \$50,000; owners, St. Nicholas Club, 58 West Thirty-sixth St.; architects, Wood, Cook &amp; Palmer, 63 William St.

Eighteenth St., n s, 263' e Avenue B, 2 one and two-sty brick foundries, tar gravel and felt roofs; cost, \$16,000; owner, John W. Brookman, 45 Exchange Pl.; architect, Wm. M. Farrar, 414 West Twenty-third St.

North Scituate, Mass.—Library, 23' x 48'; constructed of field-stone and half-timber work; cost, about \$4,000; presented to town by Silas Pierce; builder, Billings H. Merritt; architect, E. A. P. Newcomb, Boston.

Philadelphia, Pa.—Hutchinson St., s Oxford St., one-sty power-house; contractors, N. E. Carrington &amp; Son, 2146 East Huntingdon St.

American St., n Susquehanna Ave., two-sty power-house; contractor, W. J. Murphy, 723 Walnut St.

Highland Ave. and Twenty-seventh St., fire-house; cost, \$25,000; owners, Department of Public Safety.

A single deck bridge to span the Schuylkill will be built; cost, \$340,000.

Commerce St., No. 519, one-sty shop; contractor, W. E. Beeton, 241 Lybrand St.

St. Louis, Mo.—Stone steeple, e s Grand St., bet. Cook and Finney Aves.; cost, \$28,000; owners, Redemption Fathers; contractors, Chrader &amp; Conrack.

Taylor, Tex.—Depot to cost \$25,000 will be built by the International &amp; Great Northern Railroad Company.

Worcester, Mass.—Coburn Ave., one-sty green-house; owner, C. E. Littlefield; day-work.

Melbrook St., one-sty frame shop; owner and contractor, G. H. Mills.

## PROPOSALS.

Treasury Department, Office Supervising Architect, Washington, D. C., December 16, 1893. Sealed proposals will be received at this office until 2 o'clock P. M. on the 5th day of January, 1894, and opened immediately thereafter, for furnishing all the labor and materials required for the low pressure, return circulating steam heating and ventilating apparatus, for the United States Post-office at Ashland, Wis., in accordance with drawings and specification, copies of which may be had at this office or the office of the Superintendent at Ashland, Wis. Each bid must be accompanied by a certified check for a sum not less than two per cent of the amount of the proposal. The right is reserved to reject any or all bids, or to waive any defect or informality in any bid, should it be deemed in the interest of the Government to do so. All proposals received after the time stated will be returned to the bidders. Proposals must be enclosed in envelopes, sealed and marked "Proposal for Heating and Ventilating Apparatus for the United States Post-office Building at Ashland, Wis.," and addressed to JEREMIAH O'ROURKE, Supervising Architect.

940

Proposals for Iron Book-shelves. Office of Building for Library of Congress, 145 East Capitol Street, Washington, D. C., December 9, 1893. Sealed proposals for furnishing and delivering the bower-barred iron book-shelves required for the Building for Library of Congress, in this city, will be received at this office until 2 o'clock P. M. on Saturday, the 27th day of January, 1894, and opened immediately thereafter in presence of bidders. Specifications, general instructions and conditions and blank forms of proposal may be obtained on application to this office. BERNARD R. GREEN, Superintendent and Engineer.

# THE ENGINEERING RECORD.

(Prior to 1887, *The Sanitary Engineer*.)*Illustrated — Weekly.*

A Journal for the Engineer, Architect, Contractor, Mechanic, and Municipal Officer.

Perhaps the best indication of what THE ENGINEERING RECORD for 1894 will be may be given by a reference to what it has been in 1893. An abridged synopsis of the principal articles in the two volumes constituting the year has been separately prepared and will be sent upon application.

**GENERAL ENGINEERING.**—In pursuance of a settled policy, important contemporary engineering undertakings, both at home and abroad, in which civil engineers are supposed to have any concern, will be described and illustrated. Bridge Construction, etc., as heretofore, will be a prominent feature.

In Builders' and Contractors' Engineering and Plant articles interesting numbers are in preparation. This series was inaugurated to describe leading types of apparatus, appliances, and methods likely to be of interest to persons engaged in engineering operations, the erection of structures, and the transport of materials. From the outset a special feature has been made of illustrated descriptions of methods and plant employed in important engineering works and on notable buildings, preference being given to work in which novel problems are presented and exceptional measures adopted. In the series, which has now reached 172 numbers, the description of the construction of the Niagara Falls Hydraulic Plant has just been concluded.

**MUNICIPAL ENGINEERING.**—Modern practice in Water-Works Construction and Maintenance, Pumping Machinery, Sewer Design and Construction, and Sewage Disposal methods will be described and illustrated.

The general subjects of Pavement, Roadmaking, Refuse Destruction, Smoke Prevention, and other branches of Municipal Engineering will be fully treated as heretofore, the series of articles on Brick Pavement being continued.

**BUILDING ENGINEERING.**—The Industrial and Steam Power Plant series, which have been features of the two preceding volumes, will be continued. In the Industrial Plant articles a study is made of the principles governing the physical features of the plant, and the reason for the order, arrangement and relation of buildings, tracks, docks, etc. is set forth. The power transmission, water supply, sewerage system, lighting apparatus, etc., are explained, together with such outline of shop methods as will be of general use to others contemplating the erection of special plants. These articles are in no case "write-ups" or stock descriptions devoted essentially to advertising the concern operating the plant, but are prepared by our own staff from original data especially selected with a view to its general availability and interest.

In the Steam Power Plant series, especial attention is given to notable boiler and engine installations, together with illustrated descriptive articles and records of tests.

THE ENGINEERING RECORD has for several years devoted a good deal of space to the consideration of the engineering features of modern Building Construction as typified by the tall buildings on metallic frameworks. With Volume XXIX it will begin the publication of a series of papers by Mr. William H. Burr, M. Am. Soc. C. E., on "The Engineering of Architectural and Building Construction." The author has enjoyed many years of practical experience in iron and steel construction, and in sub-structure and foundation work, both as constructing and consulting engineer. He is well qualified, therefore, to treat the special subjects of skeleton construction and the foundation of high buildings in a thoroughly practical and rational manner. Wherever possible, the matter will be arranged so that the results needed in such practice, or to which frequent reference in office work must be made, will be tabulated and thus made available for immediate use in practical functions with a minimum of labor.

**DOMESTIC ENGINEERING.**—In this department illustrated descriptions of interesting work in Steam and Hot-Water Heating, Ventilation, Plumbing, and Lighting will be continued. The Notes and Queries on Domestic Engineering are frequently illustrated and contain much practical matter of interest, making during the year an amount of permanently valuable illustrated matter not elsewhere obtainable.

**CONTRACTING INTELLIGENCE.**—This department is conducted with a view to giving earlier, more numerous and more reliable items concerning projected public engineering and building work and projected private buildings of other than local interest than is done by any periodical published in the United States. The value of these items to contractors and manufacturers is enhanced by the regular publication of abstracts of important bids and the presence in the advertising columns of the proposal advertisements of the various departments of the U. S. Government, municipal authorities, water-works and public building commissions.

This information is largely collected by special correspondents, and is edited with care and published at a considerable expense, which fact will be demonstrated by a careful examination of these columns each week.

Sold by newsdealers, 12 cents per copy. Subscription, postpaid, United States and Canada, \$5; other foreign countries, \$6.

## THE ENGINEERING RECORD,

LONDON OFFICE: 92 &amp; 93 FLEET ST. 277 PEARL ST., NEW YORK.

## BINDING.

The Regular Binding of the *American Architect* is a Cloth binding, which varies in color for the several editions, as follows:

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The REGULAR EDITION is bound in Semi-annual Volumes.

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American Architect &amp; Building News Co., Boston, Mass.

Note the following extract: we propose to use it as a text later.



[Extract from a lecture on Architect's Libraries by Prof. T. Roger Smith, F.R.I.B.A., at University College, Oct. 10, 1893.]

"Lastly let me recommend the back volumes of the professional journals and the *Transactions* of the Royal Institute of British Architects containing papers on, and illustrations of, almost every subject that you can think of. In the course of years all sorts of architectural topics come up in the public press and before the professional societies, and if you hunt through the indexes of these publications when you are seeking for information which eludes you in books, you will often be rewarded."



# The American Architect

## FOR 1894.

**D**URING the coming year a certain portion of the *American Architect* must be devoted to the completion of several partly finished serial publications, as for example: The very practical and comprehensive papers by Mr. GEORGE HILL, C. E., styled "Office Help"; the thorough discussion of legal questions, as they occur in an architect's practice, by Mr. T. M. CLARK, F.A.I.A., under the title of "Architect, Owner and Builder before the Law"; the instructive papers — so interesting as furnishing an accurate historical setting for the many tales and novels dealing with Central American life, just now fashionable, — by the Rev. ARTHUR HOWARD NOLL, etc.

In addition to these partially familiar topics there will be published during the year more or less of the following papers: —

"NOTED EUROPEAN AND OTHER THEATRES," By Mr. E. A. E. WOODROW,  
which we trust will in a great measure satisfy the needs of the many architects who write to us for information in the matter of theatre designing and building.

"ELECTRICAL SCIENCE FOR ARCHITECTS," By Mr. RUSSELL ROBB.  
A simple and understandable exposition of the laws and practical development of the science of electricity in many of the cases where architects have to provide for or employ this modern Proteus.

In addition to these papers which will eventually occupy considerable space, there are in course of preparation a number of shorter series of papers covering a wide range of subjects, as for example: —

"MINOR ENGLISH PAROCHIAL CHURCHES." By Mr. A. B. BIBB, architect.

"THE SMALLER CHATEAUX OF THE VALLEY OF THE LOIRE."  
By Mr. H. T. E. WENDELL, Architect.

"EUROPEAN FIRE PROTECTIVE METHODS." By Mr. EDWIN O. SACHS.

"IRISH CROSSES." By Mr. ARTHUR G. LANGDON.

All of these papers will be fully illustrated.

As occupying a half-way point between text and illustrations, we will mention the papers and drawings of

### "OLD COLONIAL WORK,"

which are to be presented by Mr. G. C. GARDNER, so far as is typified in Western Massachusetts, and by Mr. CLAUDE FAYETTE BRAGDON, so far as it is found in the Valley of the Genesee. Other contributors are to present the work in Rhode Island, and others again, we trust, whatever may elsewhere be found of interest.

## THE ILLUSTRATIONS.

As to this department of the paper we can say little that is positive, since so much depends on the willingness of the architects in this country to send us drawings that are superior in interest and value to those which have been published in the past. If only drawings of merit in sufficient quantity are offered, we will agree that none other shall be used. In this connection we must state explicitly that because drawings of indifferent value and interest to the majority of subscribers have been published in the past, such publication does not constitute a precedent of controlling weight so far as regards our acceptance or declination in the future of drawings of similar questionable interest and value. It is enough to say that if when such drawings are offered we have an abundance of more interesting material in hand, we shall in such case regretfully decline the offering, while if our supplies of better material are low then we *must* accept and use material which has no higher average value than what has been published hitherto.

Owing to the obstructive policy of the "official photographer" of the World's Fair, we were unable to get our order for negatives of the World's Fair Buildings honored in time to make complete use of them during the Exhibition season. We have, however (after the close of the Fair), been able to secure the fulfilment of a part of our order, and consequently have now on hand a considerable number of interesting views and details of the

### WORLD'S FAIR BUILDINGS

which will be published during the year 1894.

AMERICAN ARCHITECT AND BUILDING NEWS CO.



Copyright, 1892, by THE J. L. MOTT IRON WORKS. PLATE 10 4-G.

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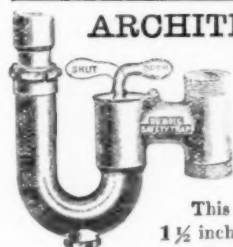
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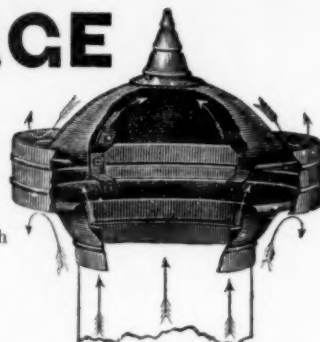
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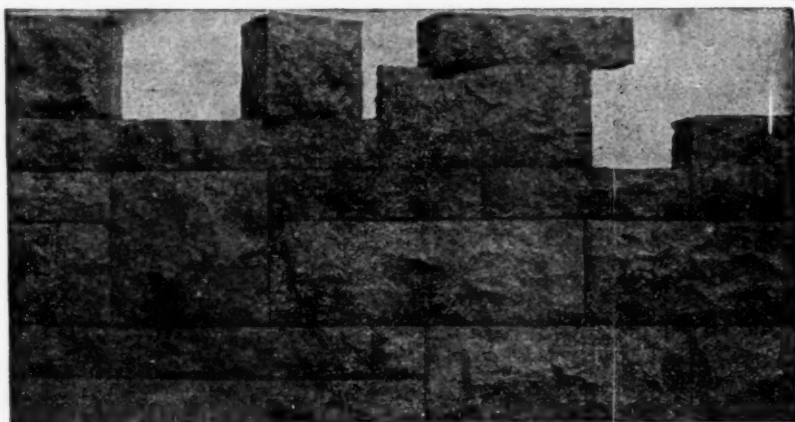
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[See Alphabetical Index on Cov. 3 for Pagination.]

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| <b>Air Valves.</b><br>Hodge Bros., Boston, Mass.<br><b>Announcements.</b><br>W. H. Schuchman & Co., New York, N. Y. (cow)<br><b>Annunciators.</b><br>W. R. Ostrander & Co., New York.<br><b>Architects.</b><br>Bailey & Truett, Philadelphia, Pa. (mon)<br><b>Architect's Materials.</b><br>Frost & Adams, Boston. (cow)<br><b>Architectural Sheet-Metal Ornamental Works.</b><br>W. H. Mullins, Salem, O.<br><b>Artificial Stone.</b><br>Wohn Pavement Co., New York, N. Y. (cow)<br><b>Asbestos Felt &amp; Boiler Coverings.</b><br>H. W. Johns Mfg Co., New York.<br><b>Asbestos Felt.</b><br>H. F. Watson Co., Erie, Pa.<br><b>Asbestos Paint.</b><br>H. W. Johns Mfg Co., New York.<br><b>Asphalt.</b><br>Neuchatel Asphalt Co., New York.<br>New York Mastic Works, New York, N. Y.<br><b>Asphalt Roofing.</b><br>Warren Chemical & Mfg Co., New York.<br><b>Basin Cocks.</b><br>Stebbins Mfg. Co., Brighton, Mass. (cow)<br><b>Bath-Tub.</b><br>Fred. F. Buschhoff & Co., Chicago, Ill. 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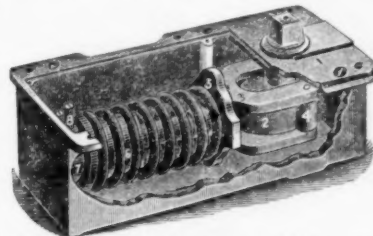
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| <p><b>Heating-Apparatus.</b> (Steam.) (Con.)<br/>                 N. Y. Central Iron Works Co., Geneva, N. Y.<br/>                 Pace Steam-heating Co., Norwich, Conn.<br/>                 Richardson &amp; Borton Co., New York, N. Y.<br/>                 H. B. Smith Co., New York.<br/> <b>Heliotype Process.</b><br/>                 Heliotype Printing Co., Boston.<br/> <b>Hinges.</b> (Springs).<br/>                 Van Wagoner &amp; Williams Co., Cleveland, Ohio.<br/> <b>Hot-Blast Apparatus.</b><br/>                 Huxett &amp; Smith Mfg. Co., Detroit, Mich.<br/>                 B. F. Sturtevant Co., Boston, Mass.<br/> <b>Hot-Water Heating.</b><br/>                 Detroit Heating &amp; Lighting Co., Detroit, Mich.<br/>                 Garney Hot-Water Heater Co., Boston, Mass.<br/> <b>Insulated Wire.</b><br/>                 W. R. Briley, New York, N. Y.<br/>                 The Okonite Co., (Ltd.) New York, N. 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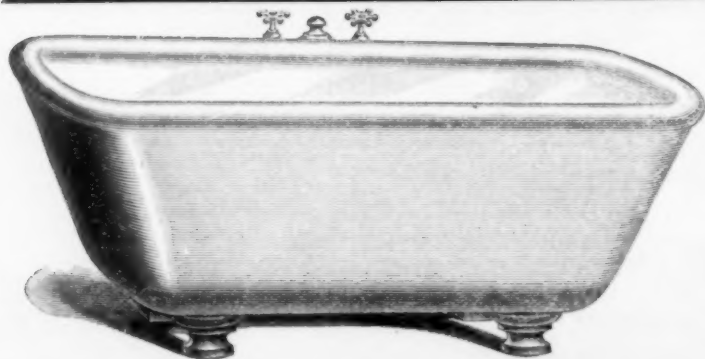
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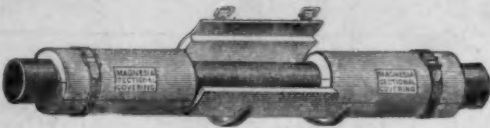
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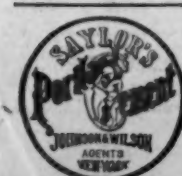
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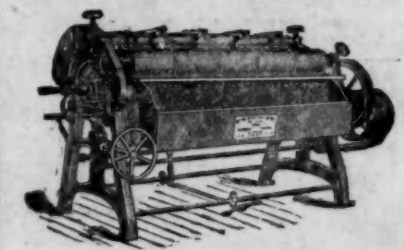
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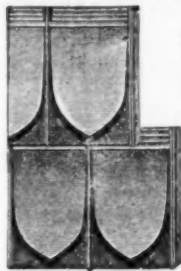
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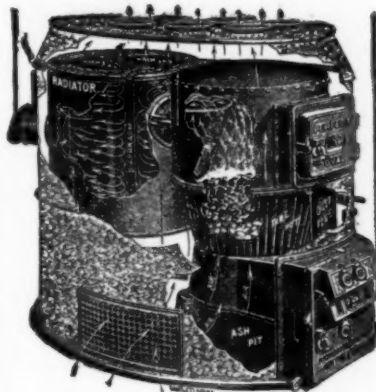
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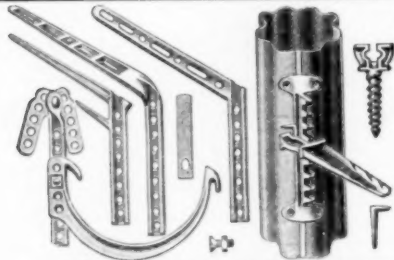


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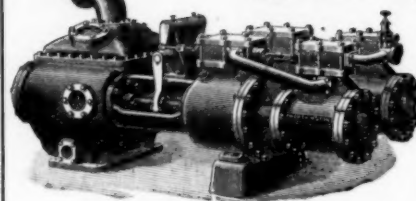
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| Common: Cargo afloat.            | 2 00 @              |               | Eastern                               |  | Building Brick |  | Sq. Hard         | @ 9 00          |
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| Long Island.                     | 5 25 @              | 5 50          |                                       |  |                |  | Sq.              | @ 9 00          |
| Up River.                        | 5 25 @              | 5 50          |                                       |  |                |  | Light Stretchers | @ 10 00         |
| Haverstraw Bay 2d.               | 5 75 @              | 6 00          |                                       |  |                |  | Medium "         | @ 12 00         |
| " 1st.                           |                     | 13 00         |                                       |  |                |  | Red "            | @ 13 00         |
| Hollow.                          |                     |               |                                       |  |                |  | Dark "           | @ 13 00         |
| Fronts:                          |                     |               |                                       |  |                |  | Pressed          | @ 18 00 @ 20 00 |
| Croton, Brown.                   | 9 00 @              | 12 00         |                                       |  |                |  | Best Paving      | @ 14 00         |
| " dark.                          | 10 00 @             | 13 00         |                                       |  |                |  | Second "         | @ 13 00         |
| " red.                           | 10 00 @             | 13 00         |                                       |  |                |  | Third "          | @ 12 00         |
| Chicago pressed (Anderson).      |                     |               |                                       |  |                |  | Dom.             | @ 65            |
| " Moulded.                       |                     |               |                                       |  |                |  | "                | @ 85            |
| Baltimore.                       | 37 00 @             | 41 00         |                                       |  |                |  |                  |                 |
| Philadelphia.                    | 23 00 @             | 24 00         |                                       |  |                |  |                  |                 |
| Trenton.                         |                     | 19 00         |                                       |  |                |  |                  |                 |
| Milwaukee.                       |                     |               |                                       |  |                |  |                  |                 |
| Moulded:                         |                     |               |                                       |  |                |  |                  |                 |
| Glens Falls Red Pressed.         |                     | @ 37 00       |                                       |  |                |  |                  |                 |
| " " Buff.                        |                     | @ 30 00       |                                       |  |                |  |                  |                 |
| " " Moulded Red & Buff           |                     | 45 00 @ 70 00 |                                       |  |                |  |                  |                 |
| Enamelled: Imp.                  | 85 00 @             | 100 00        |                                       |  |                |  |                  |                 |
| Enamelled (edge and end).        | 90 00 @             | 115 00        |                                       |  |                |  |                  |                 |
| CEMENT, LIME, etc.—(P. cast.)    |                     |               |                                       |  |                |  |                  |                 |
| Rosendale Cement.                | 95 @                | 1 10          |                                       |  |                |  |                  |                 |
| Louisville.                      |                     |               | 1 15 @ 1 25                           |  |                |  |                  |                 |
| Utica, Akron, Buffalo, Milw'kee. |                     |               | Brooks, S. & Co.                      |  |                |  |                  |                 |
| Portland, English (Gibbs).       | 2 25 @              | 2 50          | 2 40 @ 2 75                           |  |                |  |                  |                 |
| " (K. B. & S.).                  | 2 50 @              | 3 00          | 2 40 @ 2 75                           |  |                |  |                  |                 |
| " " Black Cross.                 | 2 25 @              | 2 50          | 2 40 @ 2 75                           |  |                |  |                  |                 |
| " " (Burnham).                   | 2 50 @              | 2 50          | 2 40 @ 2 75                           |  |                |  |                  |                 |
| " " (White's).                   | 2 55 @              | 3 00          | 2 40 @ 2 75                           |  |                |  |                  |                 |
| " " French (Lafarge).            | 3 50 @              | 3 75          | 2 40 @ 2 75                           |  |                |  |                  |                 |
| " " German (Aisen).              | 2 50 @              | 3 25          | 3 00 @ 3 50                           |  |                |  |                  |                 |
| " " (Fowler).                    | 2 25 @              | 2 40          |                                       |  |                |  |                  |                 |
| " " (Vorwoller).                 | 2 50 @              | 2 90          |                                       |  |                |  |                  |                 |
| " " (Lagerdoffer).               |                     |               | 2 40 @ 2 75                           |  |                |  |                  |                 |
| " " (Dyckerhoff).                | 2 50 @              | 2 90          | 3 00 @ 3 50                           |  |                |  |                  |                 |
| " " (Hanover).                   | 2 35 @              | 2 85          | Condor 2 50 @ 2 75                    |  |                |  |                  |                 |
| " " Stettin (Anchor).            | 2 15 @              | 2 25          | Wedge 2 40 @ 2 75                     |  |                |  |                  |                 |
| " " American (Saylor's).         | 2 75 @              | 3 00          | 2 15 @ 2 50                           |  |                |  |                  |                 |
| Roman.                           | 2 75 @              | 3 00          | @ 3 50                                |  |                |  |                  |                 |
| Keene's coarse.                  | 4 50 @              | 5 30          | @ 6 00                                |  |                |  |                  |                 |
| " superfine.                     | 5 00 @              | 5 50          | 7 00 @ 9 00                           |  |                |  |                  |                 |
| Lime:                            |                     |               |                                       |  |                |  |                  |                 |
| Lime of Tell.                    | 3 50 @              | 4 00          |                                       |  |                |  |                  |                 |
| Hydraulic Lime.                  |                     | @ 1 45        | @ 1 35                                |  |                |  |                  |                 |
| Chicago Lime in bulk.            |                     | St. John      | St. John 1 00                         |  |                |  |                  |                 |
| Wisconsin Lime.                  |                     | @ 85 @ 87     |                                       |  |                |  |                  |                 |
| Rockland and Rockport, (Com.).   |                     | @ 95          | @ 1 05                                |  |                |  |                  |                 |
| Rockland and Rockport, finish.   |                     | @ 1 10        | @ 1 10                                |  |                |  |                  |                 |
| Kelley Island Lime, finish.      |                     | @ 1 10        | @ 1 20                                |  |                |  |                  |                 |
| State, com. cargo rates (nom.).  |                     | 80 @ 85       | Not sold.                             |  |                |  |                  |                 |
| State, finishing.                |                     | 1 05 @ 1 10   | Not sold.                             |  |                |  |                  |                 |
| Plaster of Paris (calcined).     |                     | 1 40 @ 1 50   | 1 85 @ 2 00                           |  |                |  |                  |                 |
| " (casting).                     |                     | @ 1 60        | @ 2 25                                |  |                |  |                  |                 |
| Hair (Cattle) P bush.            |                     | 18 @ 21       | 25 @ 30                               |  |                |  |                  |                 |
| " (Goat).                        |                     | 21 @ 25       | 30 @ 35                               |  |                |  |                  |                 |
| Sand, P load.                    |                     | 1 00 @ 1 25   | 1 75 @ 1 90                           |  |                |  |                  |                 |
| STONE. (P cubic foot, rough.)    |                     |               |                                       |  |                |  |                  |                 |
| Granite: (Maine)                 |                     |               |                                       |  |                |  |                  |                 |
| Limestone:                       |                     |               |                                       |  |                |  |                  |                 |
| Bedford.                         | 45 @                | 1 25          | 95 @ 1 00                             |  |                |  |                  |                 |
| Joliet.                          |                     | 1 00          |                                       |  |                |  |                  |                 |
| Lemont.                          |                     |               |                                       |  |                |  |                  |                 |
| Serpentine.                      |                     |               | 10 50 per ton                         |  |                |  |                  |                 |

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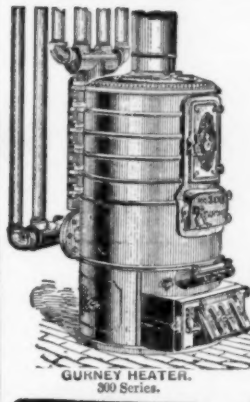
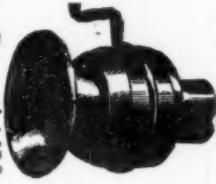
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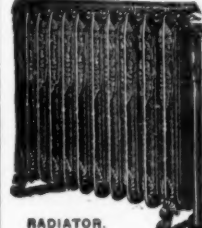
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| Dimension.....                               | 5 00 @ 5 00         | 20 @                                 |                   | 5 00                           |
| Block.....                                   | 4 60 @ perch.       |                                      |                   | Consheoken                     |
| Rubble.....                                  | 1 25 @ 1 50         | 8 50 @                               |                   | 1 45 @ 2 50                    |
| <b>Blue-stone: (P sq. ft.)</b>               |                     |                                      |                   |                                |
| Sidewalk.....                                | 30 @ 5 00           | 40 @ 1 75                            | 75 @ 1 00         | 1 in. th. 10 @ 25              |
| Planed.....                                  | 50 @ 6 00           | @ 75                                 | 50 @ 1 00         | 37 @ 50                        |
| <b>Sandstone:</b>                            |                     |                                      |                   |                                |
| Longmeadow.....                              | @ 80                | 80 @ 90                              |                   | 95 @ 1 05                      |
| Kibbe.....                                   | @ 90                | 90 @ 1 10                            |                   |                                |
| Brown (Connecticut).....                     | 1 00 @ 90           | 1 25 @ 1 45                          | 1 50 @ cub. ft.   | 1 05 @ 1 25                    |
| Amherst Ohio.....                            | 90 @ 95             | 90 @ 1 00                            | 45 @ 50           | 85 @ 95                        |
| Berea.....                                   | 1 75 @ 1 00         | 85 @ 90                              | 45 @ 55           | 55 @ 75                        |
| Berlin.....                                  | 1 75 @ 1 00         | 80 @ 90                              | 55 @ 65           | 85 @ 95                        |
| Belleville.....                              | 80 @ 1 25           | 1 25 @ 1 35                          | @ 1 25            | 1 00 @ 1 10                    |
| New Brunswick (Dorchester).....              | @ 1 00              | 75 @ 90                              |                   | 1 05 @ 1 15                    |
| Caen.....                                    | @ 1 05              | @ 2 00                               |                   | 1 25 @ 1 35                    |
| Carlisle, English.....                       | @ 1 05              | @ 1 05                               |                   | 95 @ 1 05                      |
| Corse Hill (Scotch).....                     | @ 1 05              | @ 1 05                               |                   | 95 @ 1 05                      |
| <b>Marble: (P cu. ft.)</b>                   |                     |                                      |                   |                                |
| Lee, Mass.....                               | @                   | 1 75 @ 2 50                          | Not Sold.         | 2 00 @ 2 50                    |
| Rutland, white and blue.....                 | 1 25 @ 1 75         | @ 3 00                               | 3 50 @ 6 00       | 2 00 @ 3 00                    |
| Sutherland Falls.....                        | @                   | @ 2 00                               | 3 50 @ 6 00       | 1 70 @ 3 00                    |
| Glens Falls, black.....                      | @                   | @                                    | Not Sold.         | 4 00 @ 4 50                    |
| Italian, blue-veined.....                    | @                   | @                                    | @ 4 40            | 2 50 @ 2 75                    |
| " Sienna.....                                | @                   | @                                    | Not Sold.         | @ 5 00                         |
| Tennessee, red.....                          | @                   | @                                    | @ 4 40            | 4 00 @ 6 00                    |
| " Knoxville.....                             | @                   | @                                    | @ 4 40            | 3 00 @ 4 00                    |
| Pennsylvania, blue.....                      | @                   | @                                    | Not Sold.         | 2 00 @ 3 00                    |
| Vermont, white.....                          | @                   | @                                    | 3 50 @ 6 00       | 2 25 @ 3 00                    |
| <b>Slate: Roofing (P square)</b>             |                     |                                      |                   |                                |
| " green.....                                 | 5 00 @ 6 00         | 4 75 @ 5 25                          | 5 50 @ 6 10       | 2 30 @ 3 00                    |
| " unfading.....                              | 5 00 @ 6 00         | 5 50 @ 6 50                          | 6 50 @ 7 10       | 3 25 @ 3 75                    |
| " purple.....                                | 5 00 @ 6 00         | 5 50 @ 6 50                          | 6 50 @ 7 10       | 3 50 @ 4 50                    |
| " red.....                                   | 5 00 @ 10 00        | 10 00 @ 11 00                        | 12 00 @ 14 00     | 50 @ 10 25                     |
| " black, Lehigh.....                         | 4 25 @ 4 75         | @                                    | 6 25 @ 6 85       | 25 @ 4 60                      |
| " black, Chapman.....                        | @                   | @                                    | 7 30 @ 8 00       | 90 @ 4 65                      |
| " Unfading black, Monson, Mo.....            | 5 50 @ 8 00         | 5 50 @ 8 00                          | 6 00 @ 9 00       | 5 50 @ 8 00                    |
| Tiles, Am.....                               | @                   | @                                    | Not Sold.         | @ 25 00                        |
| N. Peach Bottom, warranted unfading.....     | @                   | @                                    |                   | 6 00 @ 6 75                    |
| <b>PAINTS. (In Oil P lb.)</b>                |                     |                                      |                   |                                |
| White lead, Am.....                          | 7 @ 7 1/2           | 6 1/2 @ 7                            | 7 @ 7 1/2         | @ 7 1/2                        |
| " zinc.....                                  | 5 @ 7 1/2           | 6 @ 7                                | 5 @ 7 1/2         | @ 7 1/2                        |
| Red lead, Am.....                            | 6 1/2 @ 7           | 6 1/2 @ 7                            | 6 1/2 @ 7         | @ 7 1/2                        |
| " Venetian.....                              | 6 @ 10 1/2          | 7 @ 12                               | 11 @ 2 1/2        | @ 7 1/2                        |
| " Vermillion.....                            | 6 @ 10 1/2          | 7 @ 12                               | 11 @ 2 1/2        | @ 7 1/2                        |
| " Indian, Eng.....                           | 6 @ 15              | 7 @ 12                               | 3 @ 15            | @ 14                           |
| Yellow Ochre.....                            | 12 @ 20             | 18 @ 25                              | 15 @ 25           | @ 18                           |
| " Chrome.....                                | 8 @ 13              | 8 @ 20                               | 8 @ 20            | @ 21                           |
| Green (chrome).....                          | 25 @ 40             | 25 @ 40                              | 18 @ 35           | @ 15 @ 20                      |
| Green, Paris.....                            | 15 @ 25             | 15 @ 25                              | 8 @ 30            | @ 12                           |
| Black, lamp.....                             | 12 @ 18             | 18 @ 30                              | 12 @ 35           | @ 10 @ 24                      |
| Blue, ultramarine.....                       | 55 @ 62             | 48 @ 49                              | 57 @ 60           | @ 60                           |
| Oil, linseed, (raw).....                     | 58 @ 65             | 51 @ 52                              | 60 @ 63           | @ 63                           |
| " boiled.....                                | 36 @ 37             | @ 35                                 | 40 @ 42           | @ 44                           |
| Turpentine.....                              | @                   | 1 50 @ 6 00                          | 1 25 @ 2 00       | 125 @ 3 00                     |
| Varnish, coach.....                          | @                   | 2 50 @ 3 00                          | 2 25 @ 4 00       | 150 @ 3 00                     |
| Shellac.....                                 | @                   | @                                    | @                 | @                              |
| Putty.....                                   | 2 @                 | 2 @ 4                                | 2 @ 2 1/2         | @ 2 1/2                        |
| Whiting.....                                 | 75 @ 1 00           | 1 @ 1 1/2                            | 1 @ 1 1/2         | @ 1 1/2                        |
| Paris white, (Eng.).....                     | 1 30 @ 2 00         | 2 @ 3                                | 1 1/2 @ 2         | @ 1 1/2                        |
| Litharge, Am.....                            | 14 @ 6              | 6 1/2 @ 7                            | 6 1/2 @ 7         | @ 7 1/2                        |
| Sienna (burnt).....                          | 14 @ 20             | 14 @ 20                              | 4 @ 16            | @ 4 @ 14                       |
| Umber.....                                   | 14 @ 20             | 14 @ 20                              | 2 @ 10            | @ 2 @ 13                       |
| <b>HARDWARE.</b>                             |                     |                                      |                   |                                |
| Nails: (Per Cask.) Spikes, (wrought.)        | @ 2 85              | @                                    | 2 35 @ 3 50       | per keg @ 2 25                 |
| 10d. common.....                             | @ 2 60              | @ 2 20                               | @ 1 95            | @ 2 30                         |
| Shingle.....                                 | @ 3 35              | @ 2 65                               | @ 2 35            | @ 2 60                         |
| Lath.....                                    | @ 4 85              | @ 3 20                               | @ 3 25            | @ 4 75                         |
| (Finishing nails according to size.)         | @                   | @                                    | Add .85 to \$2.25 | per lb 4 @ 6                   |
| (For casing nails add 75 c. per keg.)        | @                   | @                                    | ".50 to .90       | Add per cask 2 90 (all kinds.) |
| Butts: 4" x 4"..... (P doz. pairs.)          | @ 1 00              | @ 1 20                               | @ 90              | @ 90                           |
| Plain.....                                   | @ 1 50              | @ 1 75                               | Not Sold.         | 1 35 @ 2 00                    |
| Japaned.....                                 | @ 1 50              | @ 1 90                               | 2 00 @ 3 75       | 1 35 @ 2 75                    |
| Acorn, Boston Finish..... (P pair.)          | @ 65                | @ 50                                 | Not Sold.         | 48 @ 50                        |
| Ball Tip, Boston Finish.....                 | @ 1 90              | plain 1 65                           | 2 00 @ 3 25       | @ 1 25                         |
| Bronze metal.....                            | @ 10                | @ 10                                 | @ 12              | @ 1 00                         |
| Brass (for cupboards).....                   | @                   | @                                    | @                 | @ 35                           |
| Ebony.....                                   | @                   | @                                    | @                 | 37 @ 1 00                      |
| Apple wood.....                              | @                   | @                                    | @                 | @                              |
| <b>Knobs: (P set.)</b>                       |                     |                                      |                   |                                |
| Mineral, best.....                           | @ 8                 | @ 8                                  | 8 @ 10            | @ 8                            |
| Lava.....                                    | @ 50                | @ 75                                 | 65 @ 80           | Not Sold.                      |
| Hemacite.....                                | Not Sold.           | 17 @ 33                              | 31 @ 40           | 25 @ 50                        |
| Porcelain.....                               | @ 30                | @ 10                                 | 25 @ 30           | @ 25                           |
| Glass, solid.....                            | Not Sold.           | @ 50                                 | Not Sold.         | 100 @ 2 50                     |
| Glass, silvered.....                         | Not Sold.           | 88 @ 1 00                            | @ 1 50            | 1 75 @ 2 00                    |
| Bronze metal.....                            | 75 @ 2 00           | 50 @ 3 00                            | 50 @ 3 00         | 50 @ 3 50                      |
| Brass.....                                   | 1 00 @ 2 50         | 50 @ 3 00                            | 1 00 @ 3 00       | 75 @ 1 25                      |
| <b>Solder:</b>                               |                     |                                      |                   |                                |
| Sheet Lead.....                              | @                   | @ 7 1/2                              | 5 1/2 @ 7         | 13 1/2 @ 16                    |
| Lead Pipe.....                               | @                   | @ 6 1/2                              | @ 6               | @ 6 @ 6                        |
| <b>Iron:</b>                                 |                     |                                      |                   |                                |
| I-Beams, up to and including 30 ft.....      | \$ 3-10 @ 3 1/2     | @ 3 4-10                             | @                 | @ 28-10                        |
| do. over 30 ft., 1/2 c. adv. for every 5 ft. | \$ 3-10 @ 3 1/2     | @ 3 4-10                             | 2 50 @ 2 75       | @ 28-10                        |
| Channel Beams.....                           | @                   | @ 3 4-10                             | 50 @ 2 75         | @ 28-10                        |

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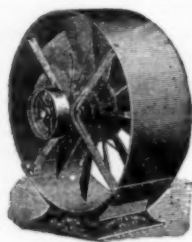
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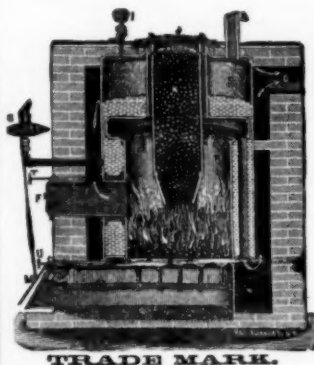
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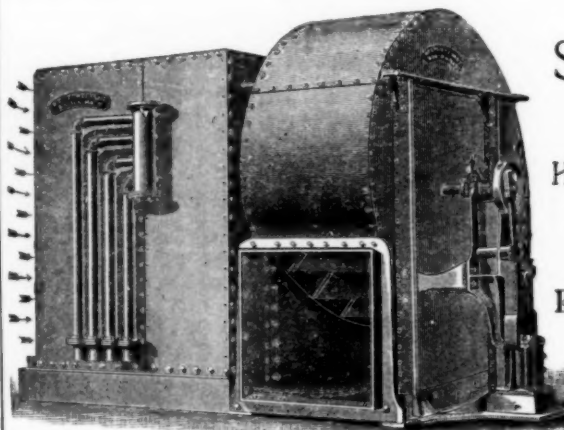
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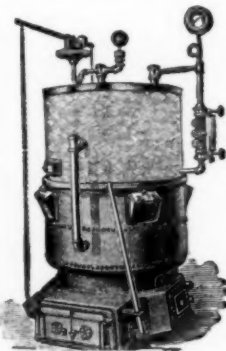
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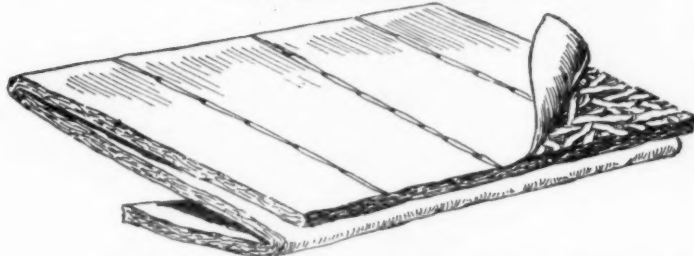
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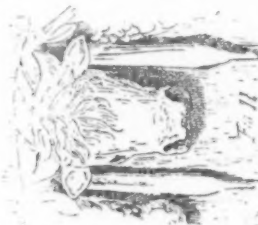
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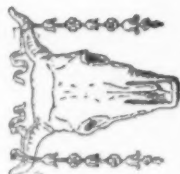
From a Bronze Chandelier by Aeneas Vico.



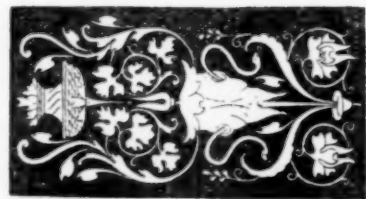
From a Cup.



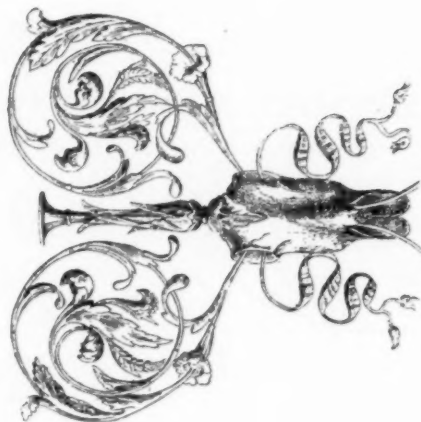
From a Bronze Tripod from Herculaneum.



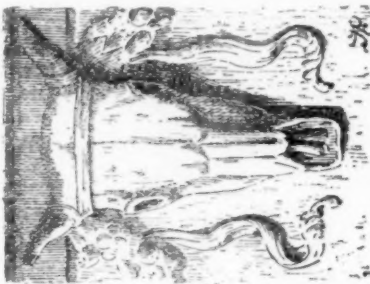
A Grecian Bucranium.



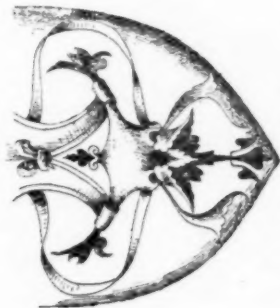
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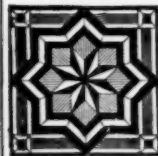
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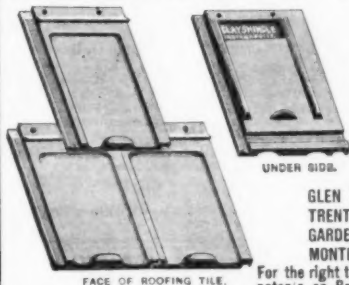
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Nocum St., w Seventy-second St., 2 two-st'y dwells.; owners, E. M. Fuchter & Son, Glenmore St. and Island Road.

Toga St., e Nineteenth St., three-st'y dwell.; owner, J. C. Miller, 2006 Ontario St.

Little Riley St., n Manayunk Ave., two-st'y dwell.; contractor, Jos. Parker, 2339 Germantown Ave.

Jannette St., n Rittia Ave., three-st'y dwell.; contractor, S. A. Hand, 149 Sumac St.

**Pittsburgh, Pa.**—Several dwells.; owner, Lewis S. Schaplain.

Rippey St., near St. Clair St., 3 dwells. will be built.

Dwell. will be built by John Hayworth.

Dwell.; owner, W. A. McWilliams.

Dwell.; cost, \$6,000; contractor, H. Groak.

College Ave., dwell.; architect, W. A. Thomas.

**Rutherford, N. J.**—Two-st'y shingle dwell.; cost, \$5,000; architect, C. G. Jones, 280 Broadway, New York City.

**St. Louis, Mo.**—Two-st'y dwell., n s Longfellow St., bet. Compton and Grand Aves.; cost, \$15,000; owner, C. F. Hermann; contractors, Wm. Rieve & Son.

Two-st'y dwell., n s Kennerly St., bet. Marcus and Euclid Aves.; cost, \$3,000; owner and contractor, J. M. Wimbush.

Two two-st'y dwells., s s Fountain St., bet. Euclid and Aubert Aves.; cost, \$6,000; owners and contractors, Kenneth Investment Co.

Two-and-one-half-st'y dwell., s s Chestnut St., bet. Twenty-eighth and Twenty-ninth Sts.; cost, \$7,000; owner, Chas. Daugenheim; contractor, C. Vallery.

Two-st'y dwell., n s Maple St., bet. Union and Belt Aves.; cost, \$5,000; owner and contractor, P. Nolan.

Two-st'y dwell., n e cor. Lafayette and Louisiana Aves.; cost, \$12,000; owner, Mary S. Lutz; contractor, J. F. Mueller.

**Village Green, Pa.**—Chester Pike, dwell.; owner, Jesse G. Smedley.

**Worcester, Mass.**—Eastern Ave., three-st'y frame dwell.; owner, Mrs. Louisa Severson; contractors, Nelson & Silvon.



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## BUILDING INTELLIGENCE.

(Houses Continued.)

Forbes St., two-st'y frame dwell.; owner and con-  
tractor, Thos. Lynch.Suffolk St., three-st'y frame dwell.; owner, J.  
Loftus; contractor, C. A. Stone.Palmer St., three-st'y frame dwell.; owner, Geo.  
D. Webb; contractors and architects, Webb Granite  
and Cons. Co.Ferdinand St., two-st'y frame dwell.; owners,  
Warden & Phelps; architect, W. H. Harvey; day-  
work.Chandler St., three-st'y frame dwell.; owner and  
contractor, R. J. Tanneburg.Revere St., three-st'y frame dwell.; owner, Mrs.  
Anna J. Johnson, Cambridge, Mass.; contractors,  
Tripper & Skogland.Taylor St., three-st'y frame dwell.; owner, J. J.  
Donnelly; contractor, F. J. Yates.Taylor St., three-st'y frame dwell.; owner, Mrs.  
Jennie Doherty; contractor, F. J. Yates.West St., two-st'y frame dwell.; owner and con-  
tractor, J. P. Taber.Kendal St., three-st'y frame dwell.; owner and  
contractor, K. Jausson.Eastern Ave., three-st'y frame dwell.; owner and  
contractor, K. Jausson.Locust Ave., two-st'y frame dwell.; owner, Geo.  
A. Ayer; contractors, Ward & Blanding.

## OFFICE-BUILDINGS.

Brooklyn, N. Y. — Lorimer St., s. s. 72 s Meserole  
St., two-st'y brick office, tin roof; cost, \$6,000;  
owners, Joseph Fallert Brewing Co., 46 Lorimer St.;  
architect, Frederick Wundel, 99 Broadway.New Orleans, La. — Ten-st'y office-building; owners,  
Morris Building and Land Improvement Associa-  
tion; architects, Thomas Sully & Co.  
The Liverpool & London & Globe Insurance Co.  
will build a seven-st'y office-building on Carondelet  
St. to cost over \$100,000.

## SCHOOL-HOUSES.

Big Stone Gap, Va. — School-building to cost  
\$20,000.Chicago, Ill. — Board of Education, three-st'y school-  
house, Page and Forty-sixth Sts.; cost, \$60,000.East Point, Ga. — School-building to cost \$10,000  
will be built by the corporation.

## STORES.

Brooklyn, N. Y. — Varet St., s. s. 125 e Morrell St.,  
five-st'y brick store and dwell., tin roof; cost,  
\$8,500; owners and builders, L. Halpin and A.  
Drechsler, 176 McKibben St.; architect, M. J.  
Schmalheiser, 63 Cook St.Thirty-ninth St., s. s. 100 e Second Ave., three-st'y  
frame store and dwell., tin roof; cost, \$3,000; owner,  
Henry Stafford, Third Ave. and Fifty-third St.;  
architect, H. L. Spicer, Third Ave. and Fifty-third  
St.Chicago, Ill. — J. Kartousk, two-st'y store and flats,  
225 California Ave.; cost, \$6,000.Hugh Jones, three-st'y store and flats, California  
Ave.; cost, \$6,000.E. O. Langer, two-st'y store and hall, 6301 Halsted  
St.; cost, \$3,900.N. Arnold, three-st'y store and flats, 6844 Halsted  
St.; cost, \$5,000.Swift & Co., two-st'y store and shed, 1100-1104  
George St.; cost, \$12,000.Louis Bastian, three-st'y store and flats, 7200  
Green St.; cost, \$10,000.

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## BUILDING INTELLIGENCE.

(Stores Continued.)

St. Louis, Mo. — Three-st'y store and dwell., s. e. cor.  
Crittenden and Lemp Aves.; cost, \$6,600; owner, L.  
Duffner; contractor, V. De Gruff.

## MISCELLANEOUS.

Chicago, Ill. — Menoken Club, two-st'y club-house,  
1176 Washington Boulevard; cost, \$15,000.  
Aermotor Co., one-st'y brick shed, Rockwell and  
Twelfth Sts.; cost, \$3,000.St. Louis, Mo. — One-st'y engine-house, s. s. Second  
St., bet. Brooklyn and Hempstead Aves.; cost,  
\$8,800; owner, St. L. K. & N. W.; contractors,  
Ferrin Bambrick Cons. Co.Wheeling, W. Va. — The A. O. U. W. will build a  
temple to cost \$75,000.

## PROPOSALS.

Treasury Department, Office Supervising Architect,  
Washington, D. C., December 11, 1893. Sealed propo-  
sals will be received at this office until 2 o'clock P. M.  
on the 16th day of January, 1894, and opened imme-  
diately thereafter, for all the labor and materials  
required for the cut stonework and brickwork, floor,  
ceiling and roof construction and roof covering for the  
superstructure of the United States Post-office Build-  
ing at Chester, Pa., in accordance with the draw-  
ings and specification, copies of which may be had at  
this office or the office of the Superintendent at  
Chester, Pa. Each bid must be accompanied by a  
certified check for a sum not less than two per cent  
of the amount of the proposal. The right is reserved  
to reject any and all bids, and to waive any defect or  
informality in any bid, if it be deemed in the interest  
of the Government to do so. All proposals received  
after the time stated will be returned to the bidders.  
Proposals must be enclosed in envelopes sealed and  
marked "Proposal for the Cut-stone and Brickwork,  
etc., for the Superstructure of the United States Post-  
office Building at Chester, Pa." and addressed to  
JEREMIAH O'ROURKE, Supervising Architect.Treasury Department, Office Supervising Architect,  
Washington, D. C., December 19, 1893. Sealed propo-  
sals will be received at this office until 2 o'clock P. M.  
on the 12th day of January, 1894, and opened imme-  
diately thereafter, for all the labor and materials  
required for the stone, brick and terra-cotta work,  
iron and wood floor, ceiling and roof construction,

## PROPOSALS.

roof covering, etc., for the superstructure of the  
United States Post-office Building at Columbus, Ga.,  
in accordance with the drawings and specification,  
copies of which may be had at this office or the office  
of the Superintendent at Columbus, Ga. Each bid  
must be accompanied by a certified check for a sum  
not less than two per cent of the amount of the propo-  
sal. The right is reserved to reject any and all bids,  
and to waive any defect or informality in any bid, if it  
be deemed in the interest of the Government to do so.  
All bids received after the time stated will be returned  
to the bidders. Proposals must be enclosed in envel-  
opes sealed and marked "Proposal for the Stone,  
Brick and Terra-cotta Work, etc., for the Super-  
structure of the United States Post-office Building  
at Columbus, Ga.," and addressed to JEREMIAH  
O'ROURKE, Supervising Architect.Treasury Department, Office Supervising Architect,  
Washington, D. C., December 16, 1893. Sealed propo-  
sals will be received at this office until 2 o'clock P. M.  
on the 5th day of January, 1894, and opened imme-  
diately thereafter, for furnishing all the labor and  
materials required for the low pressure, return circula-  
ting, steam heating and ventilating apparatus, for  
the United States Post-office at Ashland, Wis., in  
accordance with drawings and specification, copies of  
which may be had at this office or the office of the  
Superintendent at Ashland, Wis. Each bid must be  
accompanied by a certified check for a sum not less  
than two per cent of the amount of the proposal. The  
right is reserved to reject any or all bids, or to waive  
any defect or informality in any bid, should it be  
deemed in the interest of the Government to do so.  
All proposals received after the time stated will be  
returned to the bidders. Proposals must be enclosed  
in envelopes, sealed and marked "Proposal for Heat-  
ing and Ventilating Apparatus for the United States  
Post-office Building at Ashland, Wis." and addressed  
to JEREMIAH O'ROURKE, Supervising Architect.Proposals for Iron Book-shelves. Office of Building  
for Library of Congress, 145 East Capitol Street,  
Washington, D. C., December 9, 1893. Sealed propo-  
sals for furnishing and delivering the bower-barred  
iron book-shelves required for the Building for  
Library of Congress, in this city, will be received at  
this office until 2 o'clock P. M. on Saturday, the 27th  
day of January, 1894, and opened immediately there-  
after in presence of bidders. Specifications, general  
instructions and conditions and blank forms of propo-  
sal may be obtained on application to this office.  
BERNARD R. GREEN, Superintendent and En-  
gineer.

# THE ENGINEERING RECORD.

(Prior to 1887, *The Sanitary Engineer*.)*Illustrated — Weekly.*

A Journal for the Engineer, Architect, Contractor, Mechanic, and Municipal Officer.

Perhaps the best indication of what THE ENGINEERING RECORD for 1894 will be may be given by a reference to what it has been in 1893. An abridged synopsis of the principal articles in the two volumes constituting the year has been separately prepared and will be sent upon application.

**GENERAL ENGINEERING.**—In pursuance of a settled policy, important contemporary engineering undertakings, both at home and abroad, in which civil engineers are supposed to have any concern, will be described and illustrated. Bridge Construction, etc., as heretofore, will be a prominent feature.

In Builders' and Contractors' Engineering and Plant articles interesting numbers are in preparation. This series was inaugurated to describe leading types of apparatus, appliances, and methods likely to be of interest to persons engaged in engineering operations, the erection of structures, and the transport of materials. From the outset a special feature has been made of illustrated descriptions of methods and plant employed in important engineering works and on notable buildings, preference being given to work in which novel problems are presented and exceptional measures adopted. In the series, which has now reached 172 numbers, the description of the construction of the Niagara Falls Hydraulic Plant has just been concluded.

**MUNICIPAL ENGINEERING.**—Modern practice in Water-Works Construction and Maintenance, Pumping Machinery, Sewer Design and Construction, and Sewage Disposal methods will be described and illustrated.

The general subjects of Pavement, Roadmaking, Refuse Destruction, Smoke Prevention, and other branches of Municipal Engineering will be fully treated as heretofore, the series of articles on Brick Pavement being continued.

**BUILDING ENGINEERING.**—The Industrial and Steam Power Plant series, which have been features of the two preceding volumes, will be continued. In the Industrial Plant articles a study is made of the principles governing the physical features of the plant, and the reason for the order, arrangement and relation of buildings, tracks, docks, etc. is set forth. The power transmission, water supply, sewerage system, lighting apparatus, etc., are explained, together with such outline of shop methods as will be of general use to others contemplating the erection of special plants. These articles are in no case "write-ups" or stock descriptions devoted essentially to advertising the concern operating the plant, but are prepared by our own staff from original data especially selected with a view to its general availability and interest.

In the Steam Power Plant series, especial attention is given to notable boiler and engine installations, together with illustrated descriptive articles and records of tests.

THE ENGINEERING RECORD has for several years devoted a good deal of space to the consideration of the engineering features of modern Building Construction as typified by the tall buildings on metallic frameworks. With Volume XXIX it will begin the publication of a series of papers by Mr. William H. Burr, M. Am. Soc. C. E., on "The Engineering of Architectural and Building Construction." The author has enjoyed many years of practical experience in iron and steel construction, and in sub-structure and foundation work, both as constructing and consulting engineer. He is well qualified, therefore, to treat the special subjects of skeleton construction and the foundation of high buildings in a thoroughly practical and rational manner. Wherever possible, the matter will be arranged so that the results needed in such practice, or to which frequent reference in office work must be made, will be tabulated and thus made available for immediate use in practical functions with a minimum of labor.

**DOMESTIC ENGINEERING.**—In this department illustrated descriptions of interesting work in Steam and Hot-Water Heating, Ventilation, Plumbing, and Lighting will be continued. The Notes and Queries on Domestic Engineering are frequently illustrated and contain much practical matter of interest, making during the year an amount of permanently valuable illustrated matter not elsewhere obtainable.

**CONTRACTING INTELLIGENCE.**—This department is conducted with a view to giving earlier, more numerous and more reliable items concerning projected public engineering and building work and projected private buildings of other than local interest than is done by any periodical published in the United States. The value of these items to contractors and manufacturers is enhanced by the regular publication of abstracts of important bids and the presence in the advertising columns of the proposal advertisements of the various departments of the U. S. Government, municipal authorities, water-works and public building commissions.

This information is largely collected by special correspondents, and is edited with care and published at a considerable expense, which fact will be demonstrated by a careful examination of these columns each week.

Sold by newsdealers, 12 cents per copy. Subscription, postpaid, United States and Canada, \$5; other foreign countries, \$6.

## THE ENGINEERING RECORD,

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American Architect &amp; Building News Co., Boston, Mass.

Note the following extract:  
we propose to use it as a text  
later.



[Extract from a lecture on Architect's Libraries by Prof. T. Roger Smith, F.R.I.B.A., at University College, Oct. 10, 1893.]

"Lastly let me recommend the back volumes of the professional journals and the *Transactions* of the Royal Institute of British Architects containing papers on, and illustrations of, almost every subject that you can think of. In the course of years all sorts of architectural topics come up in the public press and before the professional societies, and if you hunt through the indexes of these publications when you are seeking for information which eludes you in books, you will often be rewarded."



# The American Architect

## FOR 1894.

**D**URING the coming year a certain portion of the *American Architect* must be devoted to the completion of several partly finished serial publications, as for example: The very practical and comprehensive papers by Mr. GEORGE HILL, C. E., styled "Office Help"; the thorough discussion of legal questions, as they occur in an architect's practice, by Mr. T. M. CLARK, F.A.I.A., under the title of "Architect, Owner and Builder before the Law"; the instructive papers—so interesting as furnishing an accurate historical setting for the many tales and novels dealing with Central American life, just now fashionable,—by the Rev. ARTHUR HOWARD NOLL, etc.

In addition to these partially familiar topics there will be published during the year more or less of the following papers:—

"NOTED EUROPEAN AND OTHER THEATRES," By Mr. E. A. E. WOODROW,  
which we trust will in a great measure satisfy the needs of the many architects who write to us for information in the matter of theatre designing and building.

"ELECTRICAL SCIENCE FOR ARCHITECTS," By Mr. RUSSELL ROBB.  
A simple and understandable exposition of the laws and practical development of the science of electricity in many of the cases where architects have to provide for or employ this modern Proteus.

In addition to these papers which will eventually occupy considerable space, there are in course of preparation a number of shorter series of papers covering a wide range of subjects, as for example:—

"MINOR ENGLISH PAROCHIAL CHURCHES." By Mr. A. B. BIBB, architect.

"THE SMALLER CHATEAUX OF THE VALLEY OF THE LOIRE."  
By Mr. H. T. E. WENDELL, Architect.

"EUROPEAN FIRE PROTECTIVE METHODS." By Mr. EDWIN O. SACHS.

"IRISH CROSSES." By Mr. ARTHUR G. LANGDON.

All of these papers will be fully illustrated.

As occupying a half-way point between text and illustrations, we will mention the papers and drawings of

### "OLD COLONIAL WORK,"

which are to be presented by Mr. G. C. GARDNER, so far as is typified in Western Massachusetts, and by Mr. CLAUDE FAYETTE BRAGDON, so far as it is found in the Valley of the Genesee. Other contributors are to present the work in Rhode Island, and others again, we trust, whatever may elsewhere be found of interest.

## THE ILLUSTRATIONS.

As to this department of the paper we can say little that is positive, since so much depends on the willingness of the architects in this country to send us drawings that are superior in interest and value to those which have been published in the past. If only drawings of merit in sufficient quantity are offered, we will agree that none other shall be used. In this connection we must state explicitly that because drawings of indifferent value and interest to the majority of subscribers have been published in the past, such publication does not constitute a precedent of controlling weight so far as regards our acceptance or declination in the future of drawings of similar questionable interest and value. It is enough to say that if when such drawings are offered we have an abundance of more interesting material in hand, we shall in such case regretfully decline the offering, while if our supplies of better material are low then we *must* accept and use material which has no higher average value than what has been published hitherto.

Owing to the obstructive policy of the "official photographer" of the World's Fair, we were unable to get our order for negatives of the World's Fair Buildings honored in time to make complete use of them during the Exhibition season. We have, however (after the close of the Fair), been able to secure the fulfilment of a part of our order, and consequently have now on hand a considerable number of interesting views and details of the

### WORLD'S FAIR BUILDINGS

which will be published during the year 1894.

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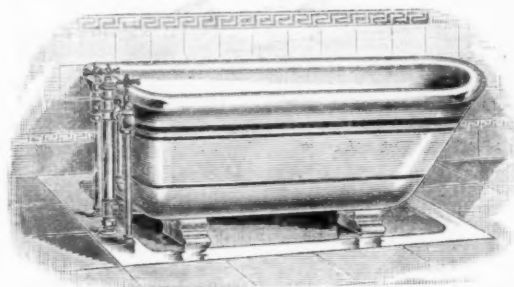
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The assertion that the *American Architect* is a paper whose characteristics are *national* and not merely local is supported by the following table, which exhibits the manner in which several journals have treated domestic architecture. In this comparison the *IMPERIAL* edition of the *American Architect* is considered, since the additional plates of the *INTERNATIONAL* edition are, in the main, illustrations of foreign work.

| PAPER.         | Number of subjects contributed. | Number of contributing architects. | Towns in which contributors were established. | States in which contributors were established. | In the first column, "subjects," only actual domestic work is included (foreign work, imaginative designs and the work of sketch-clubs are excluded), and the figures there given indicate that this number of designs might have been prepared by the same number of architects practising in the same number of different towns. The remaining columns show how nearly this ideal distribution has been reached in each case. | Architects practising in the State of publication furnished. |                                       |                                    |                                                   |        |
|----------------|---------------------------------|------------------------------------|-----------------------------------------------|------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|---------------------------------------|------------------------------------|---------------------------------------------------|--------|
|                |                                 |                                    |                                               |                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                 | Subjects.                                                    | Per cent of total number of subjects. | Different architects contributing. | Per cent of total number contributing architects. | Towns. |
| No. I. . . .   | 214                             | 109                                | 28                                            | 16                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                 | 161                                                          | .752                                  | 75                                 | .688                                              | 7      |
| No. II. . . .  | 137                             | 78                                 | 21                                            | 15                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                 | 46                                                           | .335                                  | 24                                 | .307                                              | 2      |
| No. III. . . . | 118                             | 56                                 | 16                                            | 11                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                 | 70                                                           | .593                                  | 22                                 | .392                                              | 1      |
| Am. Architect. | 267                             | 152                                | 47                                            | 24                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                 | 73                                                           | .273                                  | 39                                 | .256                                              | 3      |

From this table it appears that Massachusetts architects—.256 per cent of the total number of contributors—provided only .273 per cent of the total number of designs published, percentages which, in view of the fact that Massachusetts is one of the most populous States in the Union, prove that they have not been accorded an unreasonable amount of our limited space.





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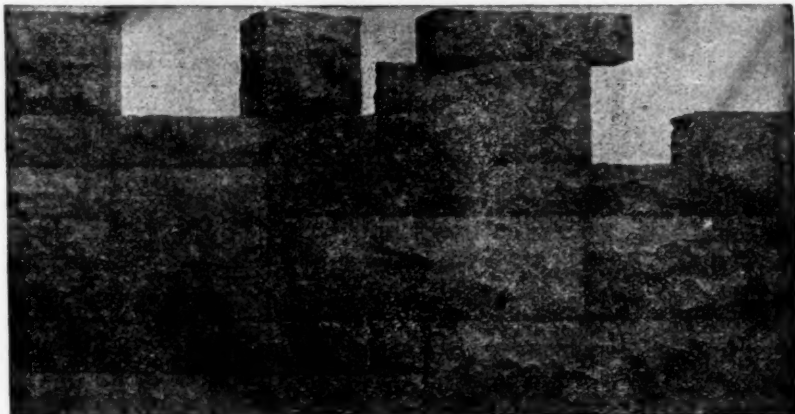
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[See Alphabetical Index on Cov. 3 for Pagination.]

## Classified Advertisements.

[Advertisers can be indexed only under a single head free of charge].

**Air Valves.**  
Hodge Bros. Boston, Mass. ....  
**Antiseptics.**  
W. H. Schmitt & Co., New York, N. Y. (cow)  
**Announcers.**  
W. R. Ostrander & Co., New York. ....  
**Architects.**  
Bailey & Truett, Philadelphia, Pa. .... (mon)  
**Architect's Materials.**  
Frost & Adams, Boston. .... (cow)  
**Architectural Sheet-Metal Orna-  
mental Works.**  
W. H. Mullins, Salem, O. ....  
**Artificial Stone.**  
Weiss Pavement Co., New York, N. Y. .... (cow)  
**Asbestos Felt & Boiler Coverings.**  
H. W. Johns Mfg Co., New York. ....  
**Asbestos Paint.**  
H. W. Johns Mfg Co., New York. ....  
**Asphalt.**  
Neuchatel Asphalt Co., New York. ....  
New York Asphalt Works, New York, N. Y. ....  
**Asphalt Roofing.**  
Warren Chemical & Mfg Co., New York. ....  
**Basin Cocks.**  
Stebbins Mfg. Co., Brighton, Mass. .... (cow)  
**Back-Tub.**  
Fred. F. Bischoff & Co., Chicago, Ill. .... (mon)  
Miller & Coates, New York. ....  
J. L. Mott Iron Works, New York. ....  
**Bells.**  
Blake Bell Co., Boston, Mass. ....  
H. S. Tubar & Bell Co. ....  
**Bine Prints.**  
Spaulding & Moss, Boston, Mass. .... (cow)  
**Boilers.**  
Babcock & Wilcox Co., New York. ....  
Randolph & Clowes, Waterbury, Conn. ....  
**Books and Journals.**  
Babcock & Wilcox Co., New York. ....

**Books and Journals.** (Continued.)  
Wm. T. Comstock, New York. ....  
Heating & Spel-over, New York, N. Y. ....  
The Engineering Record, New York, N. Y. ....  
Boston & Co. Boston. ....  
**Brass Goods.**  
I. B. Shannon & Sons, Philadelphia. .... (mon)  
**Brick Ashlar.**  
Fiske, Homes & Co., Boston. ....  
**Brick (Colored).**  
Jarden Brick Co., Philadelphia, Pa. ....  
**Brick (Ornamental).**  
Fleming Cement & Brick Co., New York. .... (cow)  
W. H. Gates, Boston, Mass. .... (cow)  
Peerless Brick Co., Philadelphia, Pa. ....  
Walton Bros., Boston. ....  
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M. J. Power, New York. ....  
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Paul & Cabaret, New York, N. Y. ....  
**Building Felt (Fire and Waterproof).**  
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H. F. Watson Co., Erie, Pa. ....  
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New York Metal Ceiling Co., New York, N. Y. ....  
H. S. Northrop, New York, N. Y. ....  
**Cement (Hydraulic).**  
F. O. Norton Cement Co., N. Y. ....  
**Cement.**  
Allen's Cement Works, New York, N. Y. .... (cow)  
Brooks, Shoolbridge & Co., New York. ....  
Fleming Cement & Brick Co., New York. .... (cow)  
Johnson & Wilson, New York. ....  
Lawrence Cement Co., New York, N. Y. ....  
E. Thiele, New York, N. Y. ....  
**Chrome Steel Castings.**  
Chrome Steel Works, Brooklyn, N. Y. .... (cow)

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Clay Shingle Co., Indianapolis, Ind. ....  
**Conductors (Water).**  
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tion Co., Palmer, Mass. ....  
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Samson Cordage Works, Boston. .... (cow)  
**Crescote Stairs.**  
S. Cabot, Boston, Mass. ....  
**Coverings (Boiler & Pipe).**  
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L. Haberstroh & Son, Boston. ....  
**Door Hangers.**  
Lane Bros. Poughkeepsie, N. Y. ....  
**Door-Knobs.**  
J. Bardsley, New York, N. Y. ....  
**Drawing Instruments.**  
Theo. Allender & Sons, Philadelphia, Pa. .... (cow)  
**Elevators, etc.**  
Crane Elevator Co., Chicago, Ill. ....  
Graves Elevator Co., Rochester, N. Y. ....  
Volney W. Mason & Co., Providence, R. I. ....  
Moore & Wyman, Boston. ....  
Morse, Williams & Co., Philadelphia. ....  
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Huvel & Smith Mfg. Co., Detroit, Mich. ....  
**Fireproof Building.**  
Henry Mauser, New York. ....  
Pioneer Fireproof Construction Co., Chicago, Ill. ....  
**Fireproof Construction.**  
Guadalupe Fireproof Construction Co., N. Y. ....  
**Fireproof Lathing.**  
Haves Metallic Lathing, New York. ....  
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The Interior Hardwood Co., Indianapolis, Ind. ....  
**Floors (Inlaid).**  
National Wood Mfg Co., N. Y. ....  
**Gas-Machines.**  
Tirrell Gas-Machine Co., New York. ....  
**Gates.**  
Wm. R. Pitt, New York, N. Y. .... (mon)  
**Glass Bent.**  
M. A. Smith Newark, N. J. .... (mon)  
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Maitland Armstrong & Co., New York. ....  
Matthews Decorative Glass Co., New York. ....  
Tiffany Glass & Decorating Co., New York. ....  
**Grates, etc.**  
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Wm. H. Jackson & Co., New York. ....  
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Berry Bros., Detroit, Mich. ....  
**Hardware.**  
Burditt & Williams, Boston, Mass. ....  
**Hardware. (Art.)**  
Vale & Turner Mfg. Co., Stamford, Ct. ....  
**Harmon Bracket.**  
Jas. J. Read, Boston. .... (mon)  
**Heating and Ventilating.**  
Smith & Anthony Stove Co., Boston. ....  
**Heating-Apparatus (Steam).**  
Gorton & Lidgerwood Co., New York. .... (cow)

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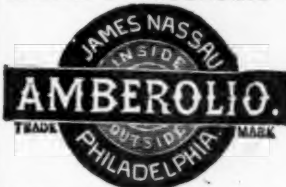
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| <p><b>Heating Apparatus.</b> (Steam.) (Cm.)<br/>                 N. Y. Central Iron Works Co., Geneva, N. Y.<br/>                 Page Steam-heating Co., Norwich, Conn.<br/>                 Richards &amp; Boynton Co., New York, N. Y.<br/>                 H. B. Smith Co., New York.<br/> <b>Heliotype Presses.</b><br/>                 Heliotype Printing Co., Boston.<br/> <b>Hinges.</b> (Spring).<br/>                 Van Wagner &amp; Williams Co., Cleveland, Ohio.<br/> <b>Hot-Blast Apparatus.</b><br/>                 Huett &amp; Smith Mfg. Co., Detroit, Mich.<br/>                 B. F. Sturtevant Co., Boston, Mass.<br/> <b>Hot-Water Heating.</b><br/>                 Detroit Heating &amp; Lightening Co., Detroit, Mich.<br/>                 Gurney Hot-Water Heater Co., Boston, Mass.<br/> <b>Insulated Wire.</b><br/>                 W. R. Britney, New York, N. Y. (eow)<br/>                 The Okonite Co., (Ltd.) New York, N. Y. (eow)<br/> <b>Insurance.</b><br/>                 Continental Insurance Co., N. Y. (eow)<br/>                 Insurance Co. of North America, Phila.<br/>                 New England Mutual Accident Association.<br/> <b>Iron-Work</b> (Architectural).<br/>                 Belmont Iron Works, Philadelphia, Pa. (eow)<br/>                 Columbia Iron &amp; Steel Co., Uniontown, Pa.<br/>                 Cooper, Hewitt &amp; Co., New York.<br/>                 Jackson Architectural Iron Works, N. Y.<br/>                 Passaic Rolling Mill Co., Paterson, N. J.<br/>                 Phoenix Iron Co., Philadelphia.<br/>                 Pittsburgh Architectural Iron Works, Pittsburgh, Pa.<br/> <b>Iron</b> (Galvanized).<br/>                 Ansell Iron &amp; Steel Co., Pittsburgh, Pa.<br/> <b>Joist Hanger.</b><br/>                 Duplex Hanger Co., Cleveland, O.<br/> <b>Laundry Machinery.</b><br/>                 Oakley &amp; Keating, New York.<br/>                 Troy Laundry Machinery Co., Troy.<br/> <b>Lightning Protection.</b><br/>                 American Lightning Protection Co.</p> | <p><b>Link-Belting.</b><br/>                 Link Belt Engineering Co., Philadelphia, Pa.<br/> <b>Mail Chutes.</b><br/>                 Cutler Manufg. Co., Rochester, N. Y.<br/> <b>Manifolds.</b> Penrhyn Slate Co., New York.<br/> <b>Marble Mosaics.</b><br/>                 Aschlimann &amp; Pellarin, New York.<br/> <b>Marble-Workers.</b><br/>                 Patterson, See &amp; Eisels, New York.<br/>                 Robert C. Fisher &amp; Co., New York.<br/> <b>Metal Lathing.</b> G. Hayes, New York.<br/> <b>Metal-Workers.</b><br/>                 J. &amp; R. Lamb, New York.<br/> <b>Metal-Work.</b> (Wrought).<br/>                 Paul E. Cabaret, New York.<br/>                 John Williams, New York.<br/> <b>Mineral Wool.</b><br/>                 U. S. Mineral Wool Co., New York.<br/> <b>Mortar Colors.</b><br/>                 Samuel H. French &amp; Co., Philadelphia.<br/> <b>Oil Finish.</b><br/>                 Berry Bros., Detroit, Mich. (eow)<br/> <b>Paint.</b><br/>                 F. W. Devos &amp; Co., New York. (eow)<br/>                 Joseph Dixon Crucible Co., Jersey City, N. J.<br/>                 Harrison Bros. &amp; Co., Philadelphia &amp; Pa.<br/>                 H. W. Johns Mfg. Co., New York.<br/> <b>Patent Lawyers.</b><br/>                 Rowson &amp; Howson, Philadelphia. (eow)<br/> <b>Pens.</b><br/>                 The Esterbrook Steel Pen Co., New York, N. Y.<br/> <b>Perspective Machine.</b><br/>                 Shaw &amp; Johnson, Tampa, Fla.<br/> <b>Photographs.</b><br/>                 J. W. Taylor, Chicago, Ill.<br/> <b>Photographic Outfits.</b><br/>                 E. &amp; H. Anthony &amp; Co., New York, N. Y.<br/> <b>Plumbers.</b> T. H. Duggan, Boston.<br/> <b>Refrigerators.</b><br/>                 W. C. Refrigerator Co., New York, N. Y.<br/> <b>Rolling Shutter.</b><br/>                 J. G. Wilson, New York.</p> | <p><b>Roofers.</b><br/>                 Berger Bros., Philadelphia, Pa.<br/>                 John Farquhar's Sons, Boston.<br/>                 James A. Miller &amp; Bro., Chicago, Ill.<br/> <b>Roofing Materials.</b><br/>                 Cortright Metal Roofing Co., Philadelphia, Pa.<br/>                 Merchant &amp; Co., Philadelphia, Pa. (eow)<br/>                 James B. Scott &amp; Co., Pittsburgh, Pa.<br/>                 N. &amp; G. Taylor Co., Philadelphia, Pa. (eow)<br/>                 N. E. Peck Roofing Works, Boston.<br/>                 Thorn Shingle and Ornament Co., Phila. Pa.<br/> <b>Roofing Tiles.</b><br/>                 Baltimore Roofing Tile Co., Baltimore, Md.<br/>                 J. C. Ward &amp; Co., Akron, O.<br/>                 W. H. Gates, Boston, Mass. (eow)<br/> <b>Sanitary Supplies.</b><br/>                 Haines, Jones &amp; Cadbury Co., Philadelphia, Pa.<br/>                 Smith &amp; Anthony Co., Boston.<br/> <b>Sash Chains.</b><br/>                 Smith &amp; Feltz Mfg. Co., Bridgeport, Conn.<br/> <b>Sash Balance.</b><br/>                 Pullman Sash Balance Co. (The), Rochester, N. Y.<br/> <b>Sash-Cord.</b><br/>                 Samson Cordage Works, Boston. (eow)<br/> <b>School of Architecture.</b><br/>                 C. Powell Karr, New York, N. Y. (eow)<br/> <b>Sheet-Metal Work.</b><br/>                 J. S. Thorn, Philadelphia. (eow)<br/> <b>Shingles</b> (Metal).<br/>                 E. Van Noorden &amp; Co., Boston.<br/> <b>Shingle-Stains.</b> S. Cabot, Boston.<br/>                 Dexter Bros., Boston.<br/> <b>Shutters.</b><br/>                 Clark, Bennett &amp; Co., New York.<br/> <b>Sidewalk Lights.</b><br/>                 T. H. Brooks &amp; Co., Cleveland, Ohio. (mon)<br/> <b>Sinks.</b><br/>                 Kilbourne &amp; Jacobs Mfg. Co., Columbus, O.<br/> <b>Splights, etc.</b><br/>                 G. Bickelshaupt, New York.<br/>                 E. Van Noorden, Boston.<br/>                 Yale &amp; Young, Baltimore, Md.<br/> <b>Slate.</b><br/>                 Brownville Maine Slate Co., Worcester, Mass.<br/>                 Penrhyn Slate Co., New York.<br/> <b>Sashie Fittings.</b><br/>                 J. J. Read, Boston. (mon)</p> | <p><b>Steam Pipe Covering.</b><br/>                 Kenaby &amp; Mattison Co., Ambler, Pa.<br/> <b>Steel Lath.</b> Central Expanded Metal Co., Pittsburgh, Pa. (eow)<br/> <b>Stone</b> (Building).<br/>                 J. P. 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(eow)<br/> <b>Wood Filler.</b><br/>                 Bridgeport Wood Finishing Co., New Milford, Conn.</p> |
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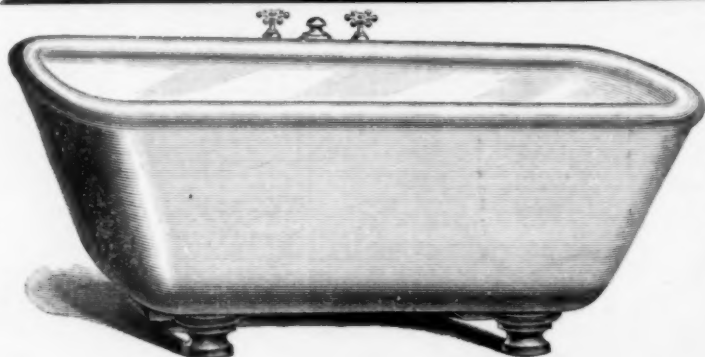
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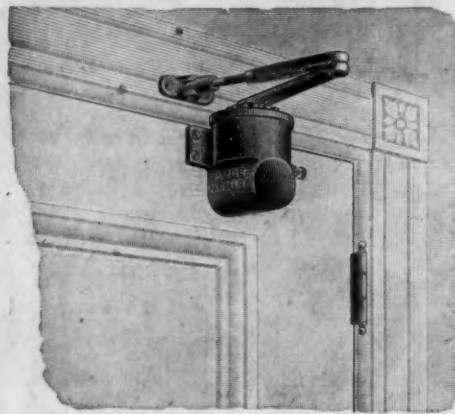
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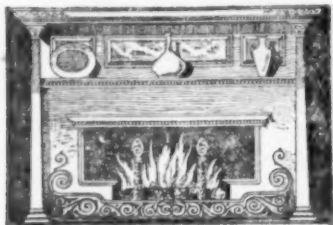
| A.                                |                                        |                                    |                                   |
|-----------------------------------|----------------------------------------|------------------------------------|-----------------------------------|
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| Anthony & Co., E. & H. F.         | Apollo Iron & Steel Co.                | Armstrong & Co., Maitland.         |                                   |
| B.                                |                                        |                                    |                                   |
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| Batterton, See & Elsie.           | Belmont Iron Works.                    | Berger Bros.                       | Berry Bros.                       |
| Bickelshaupt, G.                  | Bischoff & Co., Fred. F.               | Blake Bell Co.                     | Bollen, J. E.                     |
| Bridgport Wood Finishing Co.      | Briley, W. R.                          | Brooks, Shoenberger & Co.          | Brooks, T. H. & Co.               |
| Brownville Maine Slate Co.        | Burditt & Williams.                    |                                    |                                   |
| C.                                |                                        |                                    |                                   |
| Cabot, Paul E.                    | Central Expanded Metal Co.             | Chrome Steel Works.                | Clark, Bunnett & Co.              |
| Clark, G. S.                      | Clay Shingle Co.                       | Clinton Wire Cloth Co.             | Comstock, Wm. T.                  |
| Continental Insurance Co.         | Cortright Metal Roofing Co.            | Crane Elevator Co.                 | Cudell, F. E.                     |
| Cutter Mfg. Co.                   |                                        |                                    |                                   |
| D.                                |                                        |                                    |                                   |
| Dauchy Iron Works.                | Detroit Sanitary Supply Co.            | Devoe & Co., F. W.                 | Dexter Bros.                      |
| Dixon Crucible Co., Son.          | Du Bois Mfg. Co.                       | Dugan, T. H.                       | Duplex Hanger Co.                 |
| E.                                |                                        |                                    |                                   |
| Engineering Employment Bureau.    | Estabrook Pen Co.                      |                                    |                                   |
| F.                                |                                        |                                    |                                   |
| Fait & Co., J. P.                 | Farquhar's Sons, John.                 | Fisher & Co., Robert G.            | Fiske, Homes & Co.                |
| Fleming Cement & Brick Co.        | Flynn Building & Construction Co.      | French & Co., Samuel H.            | Frank, J. P.                      |
| Front & Adams.                    |                                        |                                    |                                   |
| G.                                |                                        |                                    |                                   |
| Gates, W. H.                      | Globe Ventilator Co.                   | Gorton & Lidgerwood Co.            | Graves Elevator Co.               |
| Gurney Hot-Water Heater Co.       | Guadalupe Fireproof Construction Co.   |                                    |                                   |
| H.                                |                                        |                                    |                                   |
| Haberstroh & Son, L.              | Haines, Jones & Calhoun Co.            | Harrison Bros. & Co.               | Hayes, Geo.                       |
| Helotype Printing Co.             | Hendling & Spielmeier.                 | Hill, George.                      | Hodge Brothers.                   |
| Howson & Howson.                  | Huyett & Smith Mfg. Co.                | Hydraulic Press-Brick Co.          |                                   |
| I.                                |                                        |                                    |                                   |
| Indianapolis Terra-Cotta Co.      | Insurance Co. of North America.        |                                    |                                   |
| J.                                |                                        |                                    |                                   |
| Jackson Architectural Iron Works. | Jackson, E. A. & Bro.                  | Jackson & Co., Wm. H.              | Jarden Brick Co.                  |
| Jenkins Bros.                     | Johns Mfg. Co., H. W.                  | Johnson & Williams.                |                                   |
| K.                                |                                        |                                    |                                   |
| Karr, C. P.                       | Keasbey, R. A.                         | Keasbey & Mattison Co.             | Kilbourne & Jacobs Mfg. Co.       |
| L.                                |                                        |                                    |                                   |
| Lamb, J. & R.                     | Lamb & Ritchie.                        |                                    |                                   |
| L. Continued.                     |                                        |                                    |                                   |
| Lane Bros.                        | Lawrence Cement Co.                    | Link-Belt Engineering Co.          | Lord & Burnham Co.                |
| M.                                |                                        |                                    |                                   |
| Mason & Co., Volney W.            | Mathews Decorative Glass Co.           | Maurer & Son, Henry.               | Merchant & Co.                    |
| Metcalfe Window Screen Mfg. Co.   | Miller, J. & Bro.                      | Miller & Coates.                   | Moore & Co., E. B.                |
| Moore, Williams & Co.             | Mott Iron Works, J. L.                 | Mullins, W. H.                     | Murphy Varnish Co.                |
| N.                                |                                        |                                    |                                   |
| Nassau, James.                    | National Wood Mfg. Co.                 | Neuchatel Asphalt Co.              | New England Pair Roofing Works.   |
| New Jersey Wire Cloth Co.         | New York Architectural Terra-Cotta Co. | New York Central Iron Works Co.    | New York Mastic Works.            |
| New York Metal Ceiling Co.        | Nightingale, S. C. & Childs.           | Northrup, H. S.                    | Northwestern Terra-Cotta Co.      |
| Norton Cement Co., F. O.          |                                        |                                    |                                   |
| O.                                |                                        |                                    |                                   |
| Oakley & Keating.                 | Obdyke & Co., W. Austin.               | Okonite Co. (Ld.).                 | Ostrander & Co., W. R.            |
| Otis Bros. & Co.                  |                                        |                                    |                                   |
| P.                                |                                        |                                    |                                   |
| Pago Steam Heating Co.            | Pamlico Rolling Mill Co.               | Peerless Brick Co.                 | Pennsylvania Slate Co.            |
| Perth Amboy Terra-Cotta Co.       | Pioneer Iron Co.                       | Pioneer Fireproof Construction Co. | Pitt, W. R.                       |
| Pittsburgh Terra-Cotta Lumber Co. | Potomac Red Sandstone Co.              | Powers, M. J.                      | Prescott, J. R. & Son.            |
| Pullman Bath Balance.             |                                        |                                    |                                   |
| R.                                |                                        |                                    |                                   |
| Richardson & Clowes.              | Rietman Hollow & Porous Brick Co.      | Reed, J. J.                        | Renner, Morgan Martin.            |
| Richardson & Roynton Co.          |                                        |                                    |                                   |
| S.                                |                                        |                                    |                                   |
| Santon Carriage Works.            | Schafflin, W. H. & Co.                 | Scott, J. B. & Co.                 | Shannon, J. B. & Sons.            |
| Shaw & Johnson.                   | Sheppard & Co., Isaac.                 | Sherwood, G. P.                    | Smith & Anthony Store Co.         |
| Smith & Egge Mfg. Co.             | Smith Co., H. B.                       | Smith, M. A.                       | S. S. S. Conductor Co.            |
| Spaulding & Moss.                 | Standa-d Elevator Co.                  | Stebbins Mfg. Co.                  | Sturtevant Co., E. F.             |
| T.                                |                                        |                                    |                                   |
| Taylor Co., N. & G.               | Taylor, J. W.                          | The Engineering Record.            | Tuske, K. C.                      |
| Thorn, J. S. Co.                  | Thorn Shingle & Ornament Co.           | Tiffany Glass & Decorating Co.     | Tekner & Co.                      |
| Terrill Gas Machine Co.           | Troy Laundry Machinery Co.             |                                    |                                   |
| U.                                |                                        |                                    |                                   |
| U. S. Mineral Wool Co.            | U. S. Tubular Bell Co.                 |                                    |                                   |
| V.                                |                                        |                                    |                                   |
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| W.                                |                                        |                                    |                                   |
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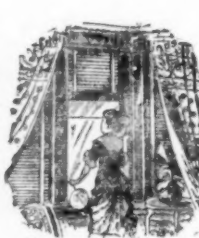
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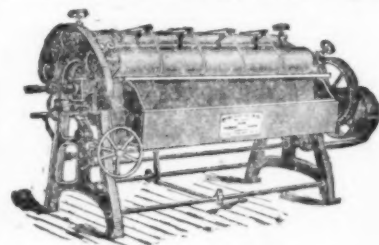
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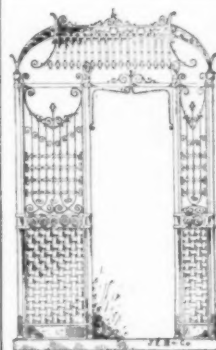
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