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MARCH 26, 1892.

THE
AMERICAN ARCHITECT
AND BUILDING NEWS

VOL. XXXV.

* REGULAR EDITION *

NO. 848.

ARCHITECTURE

ENGINEERING

DECORATION

TICKNOR & COMPANY

CONSTRUCTION

BOSTON MASS.

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SANITAS LEAD TRAP.

A Board of Health TEST.



SANITAS BRASS TRAP.

On Thursday March 10th, a test of the leading Traps of the country was made before a Committee of the Board of Health of the City of Rochester, N. Y., for the purpose of ascertaining their merits as Anti-siphonic fixtures.

A number of makers of Traps had each claimed that his trap alone would retain its seal under conditions which would destroy the seal of other traps, and to decide this point, was the object of the test.

The Traps tested were the S-TRAP, with the McClellan vent, the DELEHANTY, the SANITAS, the PURO, the BOWER and the BENNOR Traps. The first three traps were represented by their manufacturers. The last three were not so represented, but were tested under precisely the same conditions.

We quote from the Rochester *Morning Herald*, of March 11th, a portion of its report of the test.

TO SIMPLIFY PLUMBING.

INTERESTING TESTS WITH ANTI-SIPHONIC TRAPS.

Device that will Oblviate the Necessity of Back Vent Pipes—Progress in the Science of House Sanitation.

A room on the seventh floor of Sibley, Lindsay & Curr's new building was crowded yesterday afternoon by a score of interested gentlemen assembled to witness a number of experiments with different devices known as anti-siphonic traps. The result of these experiments cannot fail to be of great interest to house owners and all students of the subject of sanitation. The experiments were for the purpose of testing the merits of a half-dozen air-traps of different patents. William E. Hoyt, J. Henry Howe and Dr. J. W. Whitbeck were present as a committee from the board of health. A number of well-known master plumbers, including W. G. Reid, Joseph A. Barr and Thomas W. Ford also witnessed the experiments, and other interested spectators were Samuel Sloan and J. Easter Warner. The conditions under which the tests were made were much more severe than would often be encountered in actual practice. The traps were attached on the seventh floor fully seventy-five feet below the tank from which the water was discharged. The Puro, Bennor and Bower traps were each siphoned at the first discharge, and the McClellan vent stood the test no better. The Delehanty trap lost its seal on the third discharge. On the final series of tests the Sanitas retained its seal until the fifty-third discharge. It would be almost useless to attempt any explanation of the construction of the Sanitas trap without the aid of accompanying diagrams. An ingenious arrangement of deflectors dissipates the force of the air-pressure in the waste-pipe and thereby prevents the destruction of the seal. As before stated the invention is one which, if it prove as successful in actual practice as the experiments performed yesterday would seem to indicate, must simplify plumbing by obviating the necessity of long lines of vent pipes, reducing the amount of material and the number of joints to a minimum and to a corresponding degree the danger of leaks and the cost of construction. Commissioners Hoyt, Howe and Whitbeck will make a report to the health board on the tests made yesterday under their observation.

The SANITAS Trap not only stands the severest experimental tests, but also holds its seal under the most exacting demands of actual use. The lofty Masonic Building in Chicago is equipped with SANITAS Traps, a fact which will at once appeal to architects all over the country.

A Trap which will stand such exceptional tests is the trap which must of necessity be the safest thing to use, not only in elevated buildings but in dwelling-houses, institutions and in every place where the loss of Seal has to be resisted.

SMITH & ANTHONY STOVE CO., 48-54 Union St., Boston.

Proprietors of the SANITAS TRAPS, CLOSETS AND PLUMBING APPLIANCES.

NEW YORK OFFICE, 54 Gold Street, cor. Fulton.

CHICAGO OFFICE, 219 Lake Street.

THE AMERICAN ARCHITECT AND BUILDING NEWS.

VOL. XXXV.

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No. 848.

Entered at the Post-Office at Boston as second-class matter.

MARCH 26, 1892.



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IT is with very great regret that we find the report of the death of Prof. Edward A. Freeman confirmed. Professor Freeman, besides being a most accomplished and brilliant historian, was, we might almost say, a born architect. Very few men outside the profession have written of architectural objects with such intelligence and appreciation, and it is quite possible that, as a layman, his freedom from professional fashions and habits of thought made him quicker to see points of interest in unfamiliar styles. His name first became familiar to architects after the publication of a small book on his travels in Dalmatia and the other provinces on the eastern shore of the Adriatic. The palace of Diocletian at Spalato had long been known as an interesting example of transition from the Classical to the Romanesque principles of construction, and some architects knew a little of other Dalmatian Romanesque work; but it was left for Professor Freeman to prove the artistic greatness, as well as the originality of construction, of the buildings of Spalato, Zara and Ragusa. The more accessible Romanesque of France had already begun to engage the attention of architects, and Professor Freeman's book, showing the extraordinary talent of the man, or men, who, abandoning the Classical methods of ornamentation, led the way in the application of the modern principle of making the construction serve as the foundation of the decorative design, would have found readers in the profession in any case; but, written as it was with an earnestness and conviction which lent a charm even to the very crude sketches with which it was illustrated, it was received with enthusiasm, and has undoubtedly done much to mould the ideas of the present generation of architects. This book was followed by many other essays and more serious writings on architectural subjects. It will be remembered that he was an ardent admirer of the works of the late H. H. Richardson. Of the Albany Capitol he wrote, after seeing it for the first time: "It is worthy to stand at Ragusa; I can give it no higher praise." In his own calling as a historian and teacher of history, Professor Freeman had gained the highest renown. He was Regius Professor of Modern History at Oxford, Fellow of Oriel and Honorary Fellow of Trinity College, and a member of innumerable learned societies. He was born at Harborne, in Staffordshire, in 1823, of a family of

distinction in the neighborhood, but had established his own residence in Somersetshire. He stood for Parliament in 1868, but was defeated. He died in Alicante, Spain, of small-pox.

A NEW sort of strike is in operation in New York. One would have thought that all possible forms of strike had been practised there, but it seems that the labor unions already existing object to the formation of any others, and, after striking indiscriminately in all directions "in defence of the right of the workmen to organize," the walking-delegates have now begun to utilize their terrible weapon for preventing workmen from organizing without their consent. It will be remembered that infinite trouble has been made in New York over hoisting-machinery. Unless the delicate sensibilities of the walking-delegates were kept, so to speak, constantly lubricated, some labor exigency was sure to arise which required all the hoisting-machinery in the city to be stopped, putting an end at once to building operations, and throwing an immense number of men out of employment. As a protection against these continual catastrophes, it occurred to one of the principal owners of hoisting-machinery, Mr. Pelham, who employs about a hundred engineers, that it would be a good thing to have the men who do that sort of work organized into a regular Hoisting Engineers' Union, which would be entitled to a voice in the concoction of the schemes from which they suffered so much. The union was formed, and Mr. Pelham agreed not to employ any engineer who did not belong to it. Unfortunately, one of the existing unions, that of the Eccentric Engineers, chose to take umbrage at the organization of the Hoisting Engineers, and a pretext was soon found for an attack. Mr. Pelham as he had agreed to do, discharged an engineer who refused to join the union; whereupon the Board of Walking-Delegates commanded him to take the man back. As he declined to obey, a general strike was ordered of all men belonging to any of the building trades in every building where any of Mr. Pelham's engineers were employed. This strike will throw hundreds, perhaps thousands, of men out of employment, depriving them of an immense sum of money, simply for the sake of giving an unfair and enormous advantage, in a private quarrel between two unions, to the one which happens to be favored by the walking-delegates. How long the decent workmen in New York will bear this tyranny remains to be seen. The rule of the walking-delegates is maintained now by sheer terror. All the workmen in New York know how recklessly they use the poor people whom they pretend to represent, for the furtherance of their private purposes; but they know also the craft, the watchfulness and the unrelenting cruelty with which they crush out every attempt at insubordination, and none of them dare to rebel. Meanwhile, the situation gets constantly worse; the delegates are every year more reckless, insolent and powerful, and, so far as can be seen, the end of their reign, when it comes, must be brought about by sharp means. So far as principle goes, we would like to see any interference with the employment of a man willing to work, any request or demand, direct or indirect, for the discharge of a faithful workman, or any attempt at coercion of a workman, by force or threats of any sort, to leave his work, punishable with death. The two most sacred privileges of an American citizen are the right of free suffrage, and the right to work as long as he wishes, and for whom he wishes; and in some of our States a Hampden and a Cromwell are as much needed to speak and act in defence of workmen against the tyranny that now dominates them as the real Puritan leaders ever were to defend the Commons of England against the arrogance of the Cavaliers.

MR. W. F. ESTERBROOK, formerly Inspector of Buildings in New York, and one of the most efficient, skilful and upright officials who ever served the city, writes a sensible and interesting letter to the *Tribune* on the Hotel Royal fire. We are glad to see that he agrees with us that the loss of life in this fire was not due to the lack of fire-escapes. It would be next to impossible to fit a building so planned and constructed with fire-escapes enough to enable the occupants to escape under such circumstances, and Mr. Esterbrook says that the safety of guests in hotels of this kind "depends on the watchfulness of the proprietors to detect fire promptly and give

the alarm." At the Hotel Royal, as has been before mentioned, there was some strange delay in discovering the fire, and the first alarm is said to have been given by an actor, who saw the flames bursting from the roof as he was walking across Bryant Square. Whether legislation can prevent periodical occurrences of the same sort, by any means short of prohibiting entirely the use of such buildings for hotel purposes, is doubtful; but even the good laws at present existing fail of their proper effect, as Mr. Esterbrook says, by the feebleness with which they are enforced; and it makes no difference whether enactments which are not enforced are strict or not.

MR. ESTERBROOK gives a curious account of the origin of the present organization of the New York Bureau of Buildings. Every architect knows that the New York Department of Buildings was, about ten or twelve years ago, made into a Bureau of the Fire-Department, much to the astonishment of the architects and builders of the city; and since that time, although it has been, on the whole, well managed, both by the Fire Commissioners and the Inspectors, its dependent and anomalous position has considerably hampered its administration. Legislation in New York, which is not called for by a strong public opinion, is very apt to be devised in the personal interest of some politician, or set of politicians, under a very thin pretence of utility to the community; and this measure appears to have been no exception to the rule. According to Mr. Esterbrook, the term of the last Superintendent of Buildings, under the old regime, expired in 1879, and the mayor nominated a suitable candidate to succeed him. At that time, candidates nominated by the Mayor for such offices had to be confirmed by the Board of Aldermen, and the Aldermen refused to confirm the new official. As a consequence of this, the old one held over, and showed his gratitude for the favor by retaining in place all the personal friends of the Aldermen in the Department. These gentlemen drew their salaries, without, as Mr. Esterbrook says, over-exerting themselves in the discharge of their duties, and everything would have been exceedingly comfortable and happy if the appropriations had held out. Unfortunately, these failed to furnish a sum sufficiently ample to pay all the salaries for which the Superintendent would have liked to provide, and he was obliged to dismiss some of his subordinates, for want of funds to pay them with. Nobody, we suppose, but a politician can fully sympathize with the agony which fills the breast of an official whose position depends upon Aldermanic favor when such a problem is presented to him. Finally, he chose for sacrifice a brother of a State Senator, and discharged him. The State Senator thereupon vowed revenge. By means best known to himself, he procured the passage of an Act abolishing the Building Department altogether and making it a Bureau of the Fire Department, and, as an incident in the change, his partner was appointed to the place of Attorney to the Fire Department. Since then, although earnest protests against the arrangement are frequently made, it has suited the purposes of the politicians to continue it, and it is likely to last until some legislator can benefit himself or a friend, or injure an enemy, by having it changed.

IT is well known that our mechanics' lien laws, which, although theoretically unjust, as giving a preference before the law to the poor man over the rich one, yet, on the whole, serve a useful purpose, have no counterpart abroad. Even in England, the government of which is in many ways more radical and democratic than our own, it is not considered necessary to subordinate justice to the object of enabling mechanics to get their money in preference to other people who have an equal right to it; and, in Continental countries, whatever class privileges still exist tend to the advantage of the rich rather than the poor. In Germany, however, the condition of the working people is so miserable that there is serious talk of treating them as they are treated here—as children, whose weakness must be protected, and their necessities provided for, by legislation, without regard to the rights of people better able to look out for themselves. Among the German technical journals the *Deutsche Bauzeitung* appears to incline to the conservative side, and to believe that workmen, by prudence and concert of action, can protect themselves against being robbed by their employers without resorting to legalized injustice; while the *Bautechnische Zeitschrift* takes the opposite side, and maintains, with an unneces-

sary display of the stock socialistic cant about "money-lenders" and "capital," that, under the present circumstances, nothing short of the statutory preference of workmen's claims will be sufficient to protect them. Undoubtedly, both sides are partly right. Theoretically, to make of the workman the favorite of the law, and enable him to collect money due him from one person out of another, who owes him nothing, tends to pauperize and degrade him. Practically, however, where the immediate question is between degrading him and having his wife and children die of want, the Americans think that degradation is the less of the two evils.

THE matter was recently brought up by a communication to the *Deutsche Bauzeitung* from Herr Fränkel, giving some statistics in regard to building operations in Berlin, and the financiering connected with them, for the past year. Herr Fränkel, speaking of the losses incurred by workmen through the failure of contractors, proposes that they should learn from mercantile agencies the rating of the employers who offer them work before they make engagements with them. This idea will amuse Americans, who are more familiar than the Germans with the shortcomings of mercantile agencies, and are accustomed to seeing workmen protected in a much more efficient way, and it meets with justifiable criticism from the *Bautechnische Zeitschrift*. According to this journal, mercantile agencies are even less reliable in Berlin than here, and it asserts that not only are fictitious business reputations kept up by the favor of their irresponsible agents, but, through the malice of the same agents, many a prosperous and well-conducted business has been brought to ruin, many justly-won reputations destroyed, and honest merchants even driven to crime through the effect of the well-planned falsehoods of an enemy or a rival. Of their usefulness in pointing out the dishonest contractors to mechanics, the *Bautechnische Zeitschrift* has a very poor opinion. We have already given illustrations of the fact that the speculating builder of Berlin or Vienna has little to learn in the way of rascality from his brethren in any part of the world, and, according to the *Bautechnische Zeitschrift*, he has no more useful tool to help him in his schemes than the mercantile agency. The planning of a grand building swindle, it says, is commenced many months before anything like construction is begun, and the first step is to secure a good rating on the mercantile agency books. This is done through a third party, a mere man of straw, who is to figure later as the ostensible contractor. The speculator knows well what places the mercantile agency representatives frequent to pick up information, and the straw man, who must have an air of great financial solidity, becomes a constant visitor to these places. Usually they are restaurants, or other places of resort for business men, and the illusion is gradually worked up by having messengers rush in, when the restaurant is most crowded, to bring the straw man bills of exchange, large checks to sign or receipt for, and so on. Often, the unknown capitalist has appointments there with his lawyer, or a confederate dressed to imitate one, and the two have long conversations about an estate which the former has just inherited. These manoeuvres produce a great impression on the inquisitive minds of the agency men who happen to be in the place, and the straw man finally appears on the books with a rating proportioned to the skill with which he has acted his part. Of course, the object of all these efforts is not to delude the journeymen who are to erect the future building, but to entice the capitalists who are to advance money on it; but, if it imposes on the workmen also, so much the better for the speculator. The rest of the story, after the capitalist is secured, is familiar to us all, but, as usual in swindles, it is the poorest creditors, who can least afford to lose anything, who lose most hopelessly. For this reason, the *Bautechnische Zeitschrift* thinks that the claims of a workman on a building should be secured by lien, very much as they are in this country, and those who know something of the misfortunes which workmen suffer through the rascality of certain builders will be inclined to agree with it.

SEVERAL subscribers to the International edition have asked us of late whether the photogravure plate of a bit of the Hôtel de Cluny at Paris had been sent to them but lost in transit. These questions have stimulated action, and the result is that the promised illustration will be sent out with next week's issue.

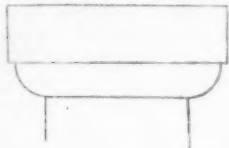
CAPITALS.¹—V.

Fig. 55. Phœnician Capital.

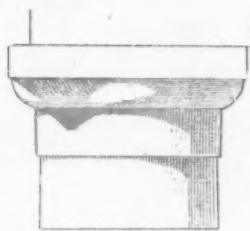


Fig. 56. From the Temple of Pietas, Rome.

A LITTLE before the beginning of the Christian era Greece was definitely subjugated by Rome; her period of fruitfulness and progress was ended, but her arts continued to develop at Rome, and thither most of her artists repaired. They did not find the cult of Hellenic art unknown there, and, notwithstanding the darkness enshrouding the beginnings of Roman history, it is clear that the conquests made by the Roman sword had been offset by the conquest of the Romans themselves by Etruscan civilization. Moreover, the resemblance of Etruscan artistic productions to those of the Orient seem to indicate the source of the former. Did not Herodotus

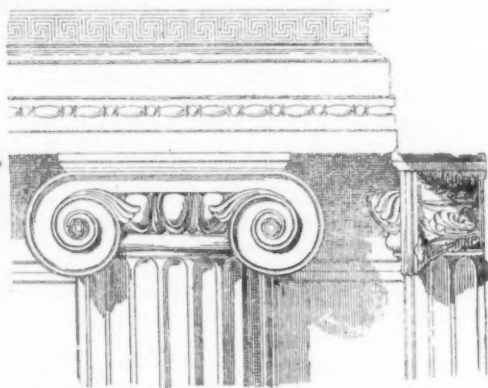


Fig. 57. From the Temple of Fortuna Virilis, Rome.

assign Lydia as the original home of the Etruscans? Modern scientific research has thrown doubt on the correctness of this inference, but the controversy has not been settled with entire certainty, and, in any event, it can hardly be questioned to-day that analogies exist between the Oriental and Etruscan arts. In addition to this, we must also take into account the probable consequences of the emigration of the Corinthian Demareteus in the seventh century.

The transformations effected in Asiatic Greek art by Etruscan artists appeared in Roman architecture, which was directly derived from them, and were still maintained in it when, by a more direct contact with Greece, it reached its zenith. Thus the Tuscan capital transmitted to the Roman Doric its echinus

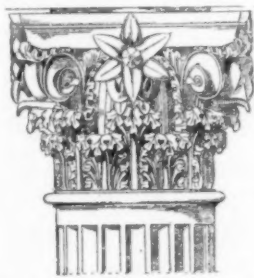


Fig. 58. Capital from the Temple of Vesta, Tivoli.



Fig. 59.



Fig. 60.

—which was in section a quarter-circle, and which we have taken note of and described under the Greek Ionic—to the exclusion of the broadly flaring echinus of the Greek Doric. It may already be seen in a few Phœnician capitals, as in the one here presented (Fig. 55), which was discovered at Golgos on the island of Cyprus. Is not the capital of the old Roman temple of Pietas (Fig. 56) very like it?

The Ionic capital was also known to the Etruscans, and was frequently applied to pilasters. The form of the Ionic capital

of the column betrays its Asiatic origin in all its details, including the horizontal, straight band joining the volutes beneath the abacus. We give a capital from a temple whose construction is referred to the closing days of the Republic, the Temple of Fortuna Virilis (Fig. 57). The same capital will be found in the



Fig. 61. Capital from Volci.



Fig. 62. Pilaster Capital, Pompeii.

Theatre of Marcellus and in the Colosseum, of still more recent date. It was much less commonly employed at Rome than that of the other two orders.

The Corinthian capital, in the end, won supremacy over the others, and, under a more direct Grecian influence, it acquired greater beauty and elegance than that transmitted by Etruscan tradition. Vitruvius, who wrote before the period when Roman architecture assumed its noblest forms, therefore gives it more squat proportions.

The very curious capital of the Temple of Vesta at Tivoli equals in height, including vase and astragal, the diameter of the column at its base (Fig. 58). Later, this measure was used for the height of the vase, and the abacus added to the capital nearly one-sixth of the same. But the Tivoli capital is not composed like the later perfected Corinthian type. The two rows of leaves are already distinctly marked, owing especially to the profusion of foliage, but the disposition of the cauliculi from which the volutes spring is still rudimentary. This leads us to speak of a capital as yet not mentioned in our sketch, which was frequently introduced into the edifices of Etruria and Campania. It is Corinthian as to the presence of foliage, though not so in its general composition.



Fig. 63. Capital from the Temple of Castor and Pollux, Rome.

If we turn to the two or three altars reproduced above from painted vases, and in which we have seemed to discover the origin of the Ionic volutes, we are involuntarily reminded of other figures which, at a first glance, seem analogous, and might, therefore, have suggested the same composition, although in them the volutes are quite differently disposed. The Golgos capital, with volutes, already gives a very well-defined indication of them; these volutes are, in a way, back to back, and they develop independently at the right and left. They are not united, as is the case in the spirally-rolled extremities of the altar-cloth spoken of above. We find on painted vases, particularly on the Athenian *lecythi*, crownings of funerary monuments, where our so-called new form appears in the shape of volutes obtained from plant growths, from which spring foliage and flowers (Fig. 59). If we also examine the numerous designs and sculptures representing beds, which were probably imported into Europe from Asia, and which seem to have been made of bronze, we find capitals surmounting the bed-post, and nearly always made up of volutes back to back



Fig. 64. Pilaster Capital from the Temple of Mars Ultor, Rome.

¹ From the French of Adrien Joigny, in Planat's *Encyclopédie de l'Architecture et de la Construction*. Continued from No. 847, page 181.

and not united (Fig. 60). It is not these forms that suggested those of the Ionic capital, but they must have prompted the idea of the capital in which four robust leaves curl over beneath the angles of the abacus. The accompanying illustration (Fig. 61) will give a clear notion of this form. Powerful volutes of plainly plant-like aspect rise from the base of the



Fig. 65. Capital from Saint Sophia, Constantinople.

capital behind a row of broadly sculptured leaves, and develop in opposite directions to the angles of the abacus, by which they are forced to roll over. Four heads adorn the faces at their centres. We also present a similar capital crowning a pilaster, and coming from the ancient Campanian city of Pompeii (Fig. 62). The forms of the volutes, the *tigettes* from which spring the flowers filling in the space between the volutes on each side of the head, suggest, notwithstanding the leaves rising from the astragal, the pilaster capitals in the interior court of the Temple of Apollo at Didyma; and thus this disposition takes us back to Asia. These last, as has already been stated, represent rather an altar-cloth with the ends fastened up, for the coussinets are present as in the Ionic capital; but the transition into volutes of plant forms was too easy for it not to be accomplished.

Now the volutes of the Tivoli capital belong apparently to the same family as those just referred to. The transition from the Etruscan capital to the Roman Corinthian is clearly distinguishable in it; it exhibits both forms and proclaims at once



Fig. 66. Capital from San Vitale, Ravenna.

what has been and what will be. Let it once more be noted that this capital has the proportions recognized by Vitruvius for the Etruscan capital.

The Corinthian capital attained its full development in the time of Augustus. Its proportions were then fixed and the arrangement of its leaf decorations was definitively settled. The foliage no longer had that somewhat crude and complicated character exhibited in Pompeian architecture as also in the capital of Tivoli (Figure 58), and which was perpetuated

in Campania down to a later date; the leaves of the Roman Corinthian are more regularly massed and are sharply divided into follicles which are themselves subdivided into small finely cut leaflets resembling those of the olive tree and the laurel.

We ask attention likewise to the capital in the portico of



Fig. 67. Capital from Saint Mark's, Venice.

the Pantheon of Agrippa, which may readily be believed to have furnished the type of the Corinthian capital of Renaissance artists; to that of the Temple of Mars Ultor, which is more robust and firmer; and to that of the Temple of Castor and Pollux, the elegance and caprice of which one cannot but admire (Fig. 63). Later, appeared the storied capitals with winged figures and sacrificial animals like those in the Temple of Concord. Some idea of their composition can be obtained from the pilaster capital adorning the walls of the temple of Mars Ultor (Fig. 64); the reader is referred, for further illustrations, to the subjects "*Corinthian*" and "*Augustæum*" in Planat's Encyclopædia; under the latter, treated by M. Guillaume, will be found a cut of the capital of the Augustæum of Ancyra.

At last the Composite capital made its appearance. We must once again emphasize the claim of this capital to the title of Italic, because, instead of considering it as made up of elements derived from the various orders, it seems to us to possess a distinctly individual character; it should not, however, be divorced from Etruscan tradition. We have already spoken of its eight leaf volutes springing from a basket, in different directions, as in the capital of Volsi, and curving over in two beneath the angle of the abacus. The gorge, like the basket of the Corinthian capital is embellished with two rows of curling leaves, two under each double volute of the angles and one on each face of the capital. Having said this, we recognize the fact that its quasi-resemblance to the Ionic capital was calculated to influence artists to join the volutes by a horizontal band and that the capital thus constituted might naturally be termed Composite.

The noble Roman architectural types of the times of Augustus and his immediate successors were doomed to degenerate, save for a period of revival now and then, as under the Flavians and the Antonines—Trajan and Hadrian, for example. The latter carried them into the Greek world as others had already done for Gaul, Spain and Africa. The decadence was more rapid in the capital than in architecture as a whole. There was greater richness and less art. At the Carnavalet Museum of Paris may be seen the remains of Roman monuments found in the excavations of the city, which show what Roman art became in its last days.

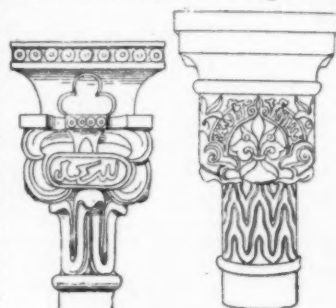


Fig. 68. Capitals from the Alhambra, Granada.

In the Eastern empire of which Byzantium was the capital, architecture underwent profound modifications, and the introduction of the arch and the dome so transformed it as to give rise to a new style which was afterward termed Byzantine. The capital when not the more or less modified reproduction of the Corinthian assumed nearly geometric forms. The artist seems to have been especially desirous of securing a foundation for the summers of the arches to rest upon that should have the appearance of greater solidity. The abacus is square and more strongly accented by its profile and ornamentation. There are four arrises slanting down from the angles of the abacus to the astragal of the column, where the junction of the plane faces of the capital with the circular astragal is effected usually in a tentative way, or, if one may so express it, by artifice. Thus, in the capital of Saint Sophia at Constantinople (Fig. 65) the angle volutes are retained, though greatly reduced,

and as if out of respect for tradition, the leaves do not roll over at the end and are spread out almost flat; an attempt was made to enrich them with openwork carvings. The capitals shown in Figures 66 and 67, from Saint Mark's at Venice and San Vitale at Ravenna, are derivatives from that of Saint Sophia.

Sometimes the upper half of the capital is cubic, but rounds off at the bottom and runs back to the gorge of the column, with leaf decorations to fill in the space. Arab art easily adapted itself to this form, which may have originated in the East, perhaps in Persia; it was adopted all through the Mussulman world, in Egypt, Sicily, Africa and Spain. The famous mosque of Cordova has its arches borne on capitals imitated from those of Rome, but the charming palace of the Alhambra at Granada reproduces the type just spoken of, and of which we offer two examples (Fig. 68).

The limitations of our sketch will not permit of a more extended and analytical study of the capitals of the Orient; we have merely noted in passing Byzantine and Persian influences and now turn our attention to the West once more, where a new art was forming in the tenth and eleventh centuries, a powerfully original art in which the capital underwent a transformation that evolved one of the most perfect types of this important member of the column. It first appeared toward the close of the eleventh century.

[To be continued.]

ON THE OLDER FORMS OF TERRA-COTTA ROOFING-TILES. — I.



Sources of Information.—The following notes have been derived from personal observation in most of the countries mentioned, except in India and Persia and those countries immediately bordering on the Mediterranean. For these countries, particularly Italy and Greece, I have depended upon photographs. Many of these examined were of large size, and presented the most reliable details; even when of small size, the type of tile could be easily made out with the aid of a lens. Reproductions from sketches illustrating architectural tours, etc., could not be depended upon, as the roofs in these drawings were usually represented by rough, shaded surfaces or formal lines. The art-galleries in Berlin, Dresden, London and other places were good hunting-grounds to fix the date of the use and distribution of the roofing-tiles (as, for example, a picture by Botticelli in the Dresden Gallery, of the thirteenth century, showing the flat, normal tile of Rome; a picture of the Siennese school, twelfth century, in the National Gallery, London, showed a similar tile. The old Dutch masters present the pan-tile, and Teuliers shows the angular ridge-tile on a thatched roof).

Collections of photographs, however, furnish the best material when one cannot visit the country; the only drawback is that such pictures usually present monumental buildings, often roofed with metal, and it is only by chance that the roof or ridge of some common house comes into the picture. For the photographic and other material I am greatly indebted to the collections of the Boston Museum of Fine Arts, Peabody Academy of Science, Salem, Gen. Charles G. Loring, Mrs. Helen Abbott Michael, Mr. and Mrs. E. F. Waters, Mr. T. F. Hunt, Mr. Sylvester Baxter, Mr. Denman W. Ross, Mr. J. Adamowski, Mr. A. E. Barber, Prof. C. C. Abbott and others, whose names are mentioned in the text. My obligations are specially due to Mr. Edward Robinson for calling my attention to numerous memoirs on the Classical antiquities of Greece and for the use of his valuable Classical library. EDWARD S. MORSK.

IN tracing out the ethnic relations of past races and the lines pursued by them in their migrations, the material to be studied consists not only of the actual remains of man, but also of the objects and results of his handiwork. If the objects have written characters upon them, the story to be unravelled is often easy; the very style of ornamentation betrays their relationship. Of great value to the archaeologist are the enduring objects in stone, metal and terra-cotta. It will be found that those features which pertain to the households of a race, and which are successively taught from father to son, or from mother to daughter, such as methods of shooting the arrow or of weaving, are longest persistent.

In language, it is found that those words which have the deepest root often refer to acts of domestic life which preëminently belong to the family. This fact holds good with regard to the house, and, as we see the persistent adherence century after century to the same kind of house by migrating tribes, under widely varying climatic conditions, attest to this truth. In studying the origin of Egyptian or Grecian art, the inquirer finds his quest abruptly ended at the line dividing the enduring stone structure from the perishable mud or wooden one that preceded it. The perishable wooden roof, however, often has associated with it a covering which is the most enduring.

Rock crumbles, metal oxidizes, but the rudest earthenware is imperishable, and so the terra-cotta roofing-tiles are often the only surviving relic of a house structure. Furthermore, these objects, being always associated with the house, are intimately identified with every roof-covered family. The persistence of certain types of roofing-tiles among peoples show the fixedness of a habit. It is a noteworthy fact that the earliest type of terra-cotta roofing-tile ever exhumed still forms the roof-covering of the greater mass of mankind to-day. The enduring nature of these objects will ultimately enable one to trace the paths followed by tile-making races in their various migrations. Wherever the Romans went, the typical Roman tile may be found, often impressed with the stamp of some Roman Legion. Realizing the imperishable nature of roofing-tiles, and the fact that they are scattered all over the world, it has seemed to me that an inquiry into the various types of terra-cotta roofing-tiles and their geographical distribution might be of value. Unfortunately for the American student, the material to be studied is confined to the Old World, and one must go there for the purposes of investigation.

It would be an interesting inquiry to learn at what time, and where, roofing-tiles were first used. When the earliest hut-builder learned the art of sloping his roof, and superadded to this achievement the lapping of sheets of bark, or palm-leaves, one over the other, as a rain shield, the first steps were taken which were to lead to the roofing-tile. That the roofing-tile has a considerable antiquity is certain. Its appearance in Greece dates back to the earliest dawn of Greek art, and yet before this, in Asia Minor, there was a time when the tile was not. Schliemann, in his great work, "*Ilios, the City and Country of the Trojans*," in describing the relics found in the ruins of the first pre-historic city of the hill of Hissarlik shows the almost universal use of pottery by the people. Utensils for everyday life, terra-cotta funeral-urns, large terra-cotta bowls, weights for their fishing-nets, handles for their brushes, and even hooks to hang their clothes upon were all made of pottery. "Thus we cannot be astonished in finding in the *débris* of their cities such large masses of broken pottery among which, however, there is no trace of tiles" (p. 214). He infers from this that the flat roof which is found to-day in that region prevailed at that time. Dörpfeld, in a memoir on the origin of the Doric style (a translation of which, by Mr. Edward Robinson, was published in the *Technology Architectural Review*, Vol. III, Nos. 2 and 3), says it was the invention of the terra-cotta roofing-tile that first made the construction of a sloping roof possible. It is probable that the roofing-tile was introduced into Greece from the East, fully developed, and with its introduction the roof, which had before been flat, could now be made sloping. The sloping roof must have preceded the roofing-tile by many centuries; at the outset bark, straw, thatch, rough stones and similar substances were used until better devices were made, which finally culminated in the terra-cotta roofing-tile, the oldest known type of which is, by far, the most common form of roofing-tile in the world to-day.

The antiquity of the sloping roof is hinted at in the finding of cinerary vessels in the form of huts, and consequently known as hut-urns. These have been found in Italy, Saxony and other parts of Southern Europe. It is believed that they were made before the age of iron in their respective places. It is interesting to observe that all of them show, not only a sloping roof but a thatched roof as well, with the characteristic cross-pieces on the ridge, a feature of

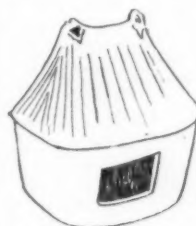


Fig. 1.



Fig. 2.

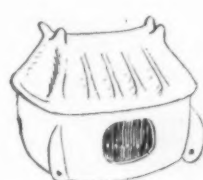


Fig. 3.

Figs. 1-3. Hut urns from Saxony in Museum für Volkerkunde, Berlin.

Fig. 2. In Vatican Museum, Rome.

Fig. 4. From Alba Longa. A better figure is given in Dennis's "*Cities and Cemeteries of Etruria*," Vol. I, p. lxxix.



Fig. 4.

the thatched roof which may be seen to-day in every part of the world (Figs. 1, 2, 3 and 4).

The sequence in the development of the roofing-tile will have to be studied in Asia Minor, or more probably in China. From the high development and great antiquity of the fi-tile art in China, and the early and artistic development of the tiled roof in that country, one might be led to believe that in China—the ancestral home of so many arts—the roofing-tile originated. Graeber, in a memoir

to be referred to later on, describes what he believes to be the earliest known terra-cotta roofing-tiles. These were found in the ruins of the Temple of Hera, at Olympia, dating nearly a thousand years before Christ.



Fig. 5.

Of significance, also, is the statement that the open end of the imbrex, where it bordered the eaves, is closed by a circular disk, ornamented in rosette pattern. To find the counterpart of this we have to go to Korea and Japan and presumably China. Fortunately the varied tastes of the Japanese collector has led to the treasuring-up of old roofing-tiles either for their antiquity or because they were associated with some famous temple. In Japan one may often see an old tile that has been dug up utilized for an ink-stone. Ninagawa, the famous Japanese antiquarian, contemplated the publication of an illustrated work on ancient roofing-tiles, to form one of the numbers of his "*Kwan ko dzu setsu*." The lithographic plates were prepared for this number, whether the text was ever published I cannot say. Fortunately securing a set of these plates, I managed to get from the author, some years before his death, the names and dates of the tiles figured. As to the ages attributed to these there may be some doubt, but that some are Korean is a matter easily established by an expert in pottery, as the clay at once reveals the origin of the piece. Some of these were believed by Ninagawa to be from eleven to twelve hundred years old. One is said to have come from Asiatic Turkey and to be two thousand years old. It is interesting to observe that the tiles are not only large and massive, but that those made for bordering the eaves have widened margins, variously decorated, generally in scroll pattern, and the joint tile, or imbrex, as it is today in China and Japan, has one end closed by a circular disk, and, what is very interesting in these ancient tiles is, that, in nearly every case the decoration is that of a rosette pattern! The following figures (Figs. 6 and 7) are roughly sketched from the plates in question with their identifications as given by Ninagawa. The tiles are in every case very thick, and roughly made; in many instances the under surface bears cloth-mark impressions. Furthermore all the specimens figured whether from Japan or Korea belong to the normal form of tile, with curved tegula and semi-cylindrical imbrex. This is the earliest form of tile known to the Japanese, and tiles of this kind are called by them *Hongawara* or true tile. This form of



Fig. 6.

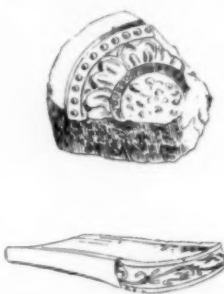


Fig. 7.

tile is to-day the common form of tile in Korea, China, Cochin China, India as well as in all those countries bordering the Mediterranean. When found farther north in Europe it is usually to be seen on the older buildings and is the tile most often seen depicted in Mediæval paintings of places outside of Belgium and Holland.

If this form of tile really represents the earliest type one might readily believe that its form was derived from sections of bark which must have come early into use as a roof-covering. In lapping the sections of bark from the eaves to the ridge the concave, as well as smooth surface, would be placed uppermost as forming the best water gutters. Other sections of bark, perhaps from smaller trees, would have been used to cover the joints of the larger pieces and these would have been placed with their convex surfaces uppermost. Such surmises are quite justifiable when one sees so many forms of pottery whose shapes have been derived from natural objects, as shown in the Pitt-Rivers collection in the Ethnological Museum at Oxford. [Professor Tylor, its director, has brought out in a striking manner similar relations in other departments of the collection.] In other museums, notably the museums in Stockholm and Copenhagen, the change from stone to bronze and iron shows successive derivations of form from objects first made in a ruder material or from natural objects.

As the origin of roofing-tiles is probably not lost in a very dim past, philology may throw some light on the subject. The material of which they are made is among the most enduring of man's fabrications and the earliest form must sometime be found.

The arrangement of feathers on a bird in shedding the rain would have given a sufficient hint for the proper arrangement of material on a sloping roof. From the rough natural substances used in the prehistoric roof there came, not only slabs of wood, flat pieces of stone, terra-cotta tiles of many kinds, but worked marble tiles (620 B. C.) modelled after the terra-cotta tile, small bronze tiles in Pliny's time, thin cleavages of slate, continuous sheet-metal roofs and metal sheets modelled after the forms of interlocking tiles.

As to the relative merit of these various roof-coverings I am not prepared to speak, nor is it with any intention of urging the economic value of this material that this paper is prepared; it seems, however, that the terra-cotta tile roof, when properly made is, all things considered, one of the cheapest and most durable. It is certainly one of the oldest and widest distributed.

Definitions.—At this point it becomes necessary to define the different types of roofing-tiles now in use. Leaving out of consideration all forms of interlocking tiles and recent modifications of the prevailing types now so well known we find among the older forms three distinct types.¹

The earliest form of roofing-tile known consists of two elements, a wide tile (tegula) either square or rectangular, more or less curved in section, and a narrow semi-cylindrical tile (imbrex) usually slightly tapering at one end to fit into the wider opening of the one adjoining. The tegula is placed on the roof, concave face upward, and the imbrex, placed concave face downward, covers the lateral joint between two adjacent tegulae. I have not been able to learn of any special English name for this tile: in Germany it is known as the hollow tile. From the fact that it is the earliest known tile Graeber, in his exhaustive discussion of the varieties of roofing-tiles in ancient Greece and adjacent countries, uses the name of normal tile for this form. The varieties of this tile and the different ways of using it may be designated in this paper as follows: When the tegula is used as an imbrex as in China and India, it may be called the normal tile (*teg.*) When the imbrex is used as tegula as in Mediterranean countries it may be mentioned as normal tile (*imb.*) the ancient Grecian and Roman modification as normal tile (*flat*).

The pan tile is one having a double flexure forming in section the letter S and is known in some parts of Germany as the S-tile. This tile is an evident adaptation from the normal tile combining the two elements imbrex and tegula in one piece. Originating in Belgium or Holland, one can easily conceive a thrifty and frugal people devising an economy of handling in making one piece serve the purposes of two.

The flat tile, or as it is known in England the plain tile, has no genetic relation to the other forms of tiles. It is simply a shingle in terra-cotta. It is rectangular in shape, flat, often secured to the roof by nailing, and used as shingles are used on the vertical sides of a house. In roofing the tiles are adjusted precisely as wooden shingles are by lapping and breaking joints. The German name flat tile will be retained as being more descriptive and probably has priority.

The following outlines (Fig. 8) represent in a general way the types and varieties of roofing-tiles with their distribution. It should be understood that colonies past and present of these respective

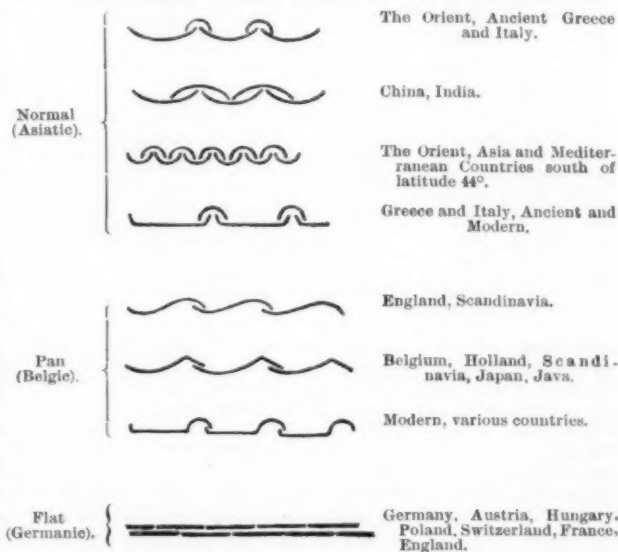


Fig. 8.

countries, so far as I know, adhere to the form of roofing-tile of the parent country. As an illustration, the few evidences of ancient

¹ It would be interesting to clear up the nomenclature of roofing-tiles as some confusion exists through the same name being applied to different forms of tiles, thus the latest dictionary—"The Century"—almost encyclopedic in its character, gives under the definition of crown tile the English interpretation thus: "I. A flat tile, a plain tile. II. A large bent tile or arched tile usually called a hip or ridge tile, etc." These tiles are in reality two entirely different forms of tiles and neither could be used for the purposes of the other. The synonymy would have to be worked out by some student on the ground and versed in the subject.

roofing-tiles in this country trace the flat tile discovered by Mr. A. E. Barber in Pennsylvania to German settlers, the pan tile discovered by Dr. C. C. Abbott on Burlington Island, Delaware River, on the site of an old Dutch House to Dutch settlers, and in California the normal tile (*imb.*) to the old Spanish Jesuits.



Fig. 9.

It should also be stated, that on the borders of countries using different tiles, the tiles intermix; thus France along the shores of the Mediterranean uses the normal tile (*imb.*) and on German territory, contiguous to Belgium and Holland, the pan tile is often seen.

It will also be found that water-ways have led to the wide dispersion of roofing-tiles, and the occurrence of the pan tile in Poland is probably due to the distribution of this tile along the shores of the Baltic, as the normal tile (*imb.*) is found bordering both shores of the Mediterranean.

CHINA.

China exceeds all other countries in the world in the skill shown in the use of the roofing-tile. Moreover, China, with Korea and Japan, have treated the tile in an artistic way as no other countries have done, except ancient Greece and Rome. The normal tile is universally seen as a roof-covering from Pekin through Cochin China and Anam to the Malay peninsula.

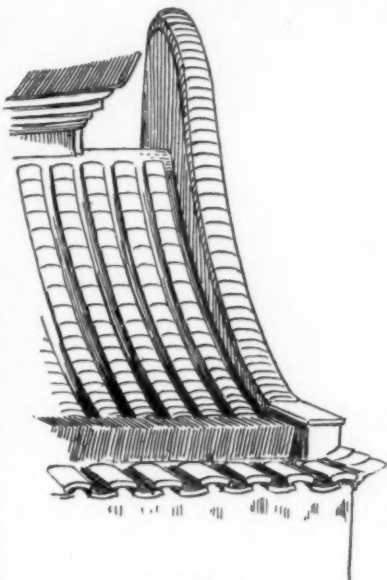


Fig. 10.

The tiles are utilized in a variety of ways as a decorative feature for the roof. Massive ridges are made of them; even gateways of common country houses will have a heavy ridge of tiles. Around Shanghai, these ridges are formed by broad, flat tiles placed on end and packed close together like books on a shelf. At the ends of the ridge they are held up by what appears to be an upturned sheet of metal. In the native city of Shanghai, a small, square, slightly-curved tile is used, the same answering for tegula and imbrex.

The eaves tile has a flange below; in some cases the under course of eaves tile is simple (Fig. 9), while in other cases both tegula and imbrex bordering the eaves have flanges. In the Shanghai house the wall projects slightly above the eaves,



Fig. 11.

and upon this the tiles are placed on end as above described. Outside this is a cornice of tiles terminating in eaves tiles (Fig. 10). On the ridge, the tiles placed on end like books incline from the middle to both ends of the ridge. They do not appear to be attached in any way. Farther south, at Hong Kong and Canton, the eaves tiles are usually simple.

At Hong Kong the imbrex is narrow and arch-shaped (Fig. 11), the eaves having two layers of tegulae without margin, and the imbrex open. The ordinary Pekin tile has a nearly square tegula, 22 centimetres wide, slightly bent and quite thin. In the eaves tiles, both in imbrex and tegula, the disk and margin are made separately in a mould, and afterwards attached to the tile proper. These portions have flowers and other decorations in relief. The tile portion is evidently made by rolling the clay into a thin sheet and then cutting out pieces of proper dimensions for the imbrex and tegula, and bending them over forms of the required shape. Figure 12 represents specimens from Pekin in

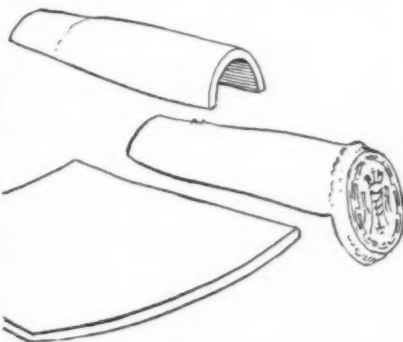


Fig. 12.

the museum of the Peabody Academy of Science, Salem. Figure 13 is figured from specimens of Pekin tiles in the Museum of Fine Arts, Boston. Figure 14 represents tiles in the Summer Palace at Pekin ruthlessly destroyed by the British. These are sketched from specimens in the South Kensington Museum. Figures 13 and 14 are glazed a light bluish-green.

A work entitled "*Illustrated China and its People*," by J. Thompson, contains some conspicuous examples of Chinese architecture,



Fig. 13.

notably the Tien-hon-kung or "Queen of Heaven Temple" at Ningpo. This wonderful structure, as well as certain monumental buildings in and about Pekin, as, for example, the sacrificial-hall at the tomb of Yung-lo and the Bronze Temple at Pekin, and structures at Canton and elsewhere, all show the use of the normal tile, the eaves tegulae in some cases having very long and pointed margins, with edges scalloped. The Imperial College, Pekin, is tiled after the



Fig. 14.

style seen at Shanghai (that is, with tegula used as imbrex), but with wide and flaring margins on the eaves tiles, the imbrex in this case having a supplementary flange, which flares above (Fig. 15).

Photographs of streets in Pekin show a roofing-tile not unlike the usual form seen in Shanghai. A modern tile of hard, white stone-

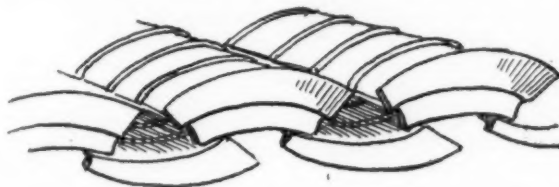


Fig. 15.

ware, richly glazed, is said to be Chinese. It is a modern production (Fig. 16), Museum of Fine Arts, Boston.

COCHIN CHINA.

In the Colonial Exhibit at the Paris Exposition, a building was erected representing a type of the Cochin China house, in fact the entire building was brought from Tonquin. The roofing-tiles as shown in this structure differed in no respect from those found in China proper (Fig. 17).

KOREA.

The notes concerning the roofing-tiles of Korea, I gather entirely from Mr. Percival Lowell's interesting work entitled "*Chosŏn. The Land of the Morning Calm*." From the illustrations of this book, reproduced from photographs made by its accomplished author, I am able to present the accompanying figures. The Korean roofing-tile

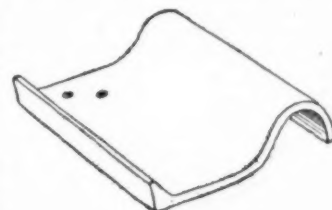


Fig. 16.

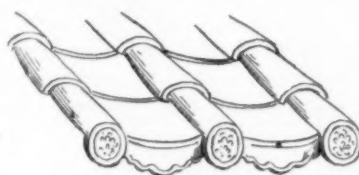


Fig. 17.

is of the normal type, and is derived directly from China. In the common houses and shops there is no attempt at architectural effect

in the way of a heavy or ornamental ridge, though a simple tiled ridge is seen on all the buildings, neither are the eaves tiles different from the others except that the tegulae are often doubled at the eaves. The end of the imbrex is simply closed with white plaster (Fig. 18).

On the better class of buildings, especially certain pavilions in the new palace grounds, the eaves tegulae have widely turned margins

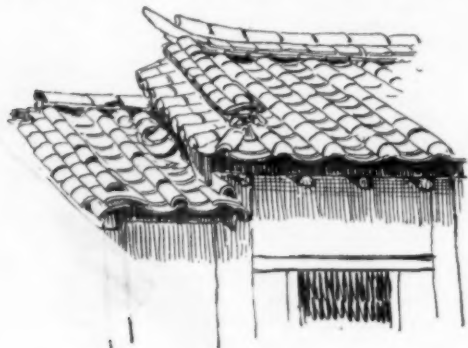


Fig. 18.

which are also flaring, projecting at such an angle as to hold the snow, as shown in one of the photographs. This expanded margin has a simple design in relief. The imbrex is also closed by an oval disc, with a simple design in relief. The oval form of the disc is

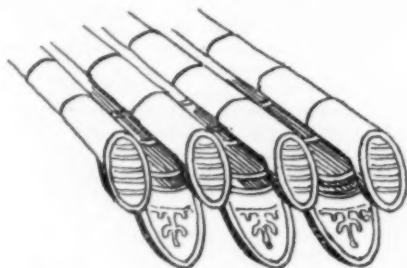


Fig. 19.

produced by its diagonal position on the semi-cylindrical imbrex (Fig. 19). In a collection of photographs taken by Mr. Lowell, and not published in his book, other forms of eaves tiles are shown associated with pavilions in the Emperor's grounds. One form is represented



Fig. 20.

In some buildings a few of these peculiar tegulae decorate the eaves for a few courses from the corner of the roof only, while the remaining portion of the eaves show simple tegulae. The ridge is also a more conspicuous structure than is seen on the common buildings, though not approaching the Japanese tiled ridge in size



Fig. 21.

or complexity. The end of the ridge terminates in an inverted eaves tegula with broad, turned margin.

It is a curious commentary on the shiftless and poverty-stricken ways of the people to observe in one of the main streets of the

capital, awkwardly shaped thatched roofs in juxtaposition to simple tiled ones.

Korean roofing-tiles are bedded in mud and clay as is the custom in Japan. Figure 21 is reproduced from a tracing made from a native Korean drawing in the National Museum in Washington. This sketch represents Korean tilers engaged in tiling a roof. One is occupied in drawing up the tiles by means of a rope, while another is catching balls of mud or clay which are being tossed up to him from below.

[To be continued.]

WOOD PRESERVATIVE.¹



Font, Stenstorp Church, Sweden.

THE question what material to use to preserve wood from destruction is a very old one, and not a few processes have been devised for treating it in such a way that it will not decay. It is not the purpose of the present article to go into the various processes of preserving wood, but simply to describe a material which has been found moderately useful in a limited way in certain constructions connected with railroads.

The idea of treating timber in large pieces to prevent it from decay is a very fascinating one; but, so far as our knowledge goes, all the processes enhance the cost of the timber so much that at the present price of lumber it is not economical to treat wood by any of these methods. We make this statement, however, with some hesitancy, because we do not profess to be thoroughly well informed on the economics of all the processes of treating railroad-ties, for example, or timbers used in car construction. This is a question which needs a great deal more investigation than we have yet been able to give to it. But there is a field, however, for the use of some material to prevent decay of wood, which does not involve such great items of expense as the treatment of the wood *en masse*; and it is in this field that the wood preservative which we will attempt to describe is mostly used, so far as the Pennsylvania Railroad goes. This field may be briefly and perhaps comprehensively described as covering all points where two pieces of wood come together, and are so situated as to allow the penetration of water between the two pieces of wood. It will readily be observed that tenons and mortises and wherever two pieces of wood cross each other in contact are embraced in this field. We believe it is the history of all car construction that such points decay much sooner than the more exposed portions of the wood used, and accordingly the search for something to protect these points has been quite earnest. Ordinary paint made of linseed oil does not seem to do the work, perhaps because, as has already been stated in a previous article on paint, linseed oil paint is not impervious to water.

Other substances, notably coal-tar products, have been brought forward and recommended for this purpose; and it is undoubted that some of them are more or less valuable. Also various patented preparations have been suggested. Some of these have the difficulty of being too expensive.

At present we know of none so cheap and so effective as the material used on the Pennsylvania Railroad under the name of "Wood Preservative." This material is a product of the distillation of Georgia pine. It is difficult to say what it is chemically. It undoubtedly contains some rosin oil, and may contain some chemical bodies which are constituents of creosote. It also contains considerable material which is similar in nature to spirits of turpentine, although we do not think they are identical in composition. This material, when painted over wooden surfaces with one or two coats and allowed to soak in, is a very good protection against water, and seems also to have the remarkable power of converting many of the soft woods into much firmer material. Sticks of pine soaked in it become changed in color and very much more solid, more difficult to cut, and considerably heavier. When exposed to water it seems to have very little action on them. The soaked material looks like the substance known as "fat pine." This material is also believed to be a complete protection against the action of the teredo on piles driven in salt water.

After two or three years of experiments the use of this material became quite extended, and accordingly specifications were prepared in order to get a uniform product. . . . The manufacture of this material is so uniform now that it is very rare that we have any rejections, and the use of the material is constantly on the increase. It is possible that if the price should diminish it might ultimately be found advantageous to treat timber *en masse*.

ACCIDENT VS. WAR.—According to a report recently published in Germany, there were, in 1889, 5,260 workmen killed in accidents, and 35,392 seriously injured. M. Vacher, in *La Nature*, compares the figures with those of the killed and wounded at Gravelotte—one of the most murderous battles in this century—which were 4,449 and 20,977.

¹ Extract from a series of papers by C. B. Dudley and F. N. Fease, chemists to the Pennsylvania Railroad, published in the *Railroad and Engineering Journal*.

COMPARATIVE MUNICIPAL BUILDING LAWS.—V.

[Note:—In these tables bracketed letters invariably refer to preceding passages in the same column.]

Thickness of Masonry Walls—External—Other than Dwellings.

Boston:—(Other than Dwelling, Tenement or Lodging Houses).
(External and Party Walls.)

Foundations.		Maximum Height of Wall.	To the top of the				
Rubble.	Block Stone.		1st Floor.	2d Floor.	3d Floor.	Upper Floor.	Remainder.
		35' B 40'	12" B 16"	16"			12" B 12"
(Not allowed for grade height.)	30" A	60"	20"	20"	16"	16"	12"
	28" A	80"	20"	20"	20"	16"	12"
	32" A	100"	24"	20"	20"		16"

A When set a depth of more than fifteen (15) feet below the grade of the street, increased four (4) inches in thickness for each and every five (5) feet below said fifteen (15) feet.

B Area of building not exceeding two thousand (2,000) superficial feet and to be used for stables or light mechanical purposes.

Walls exceeding one hundred (100) feet in height to have the additional thickness of walls determined by the Building Inspector.

Baltimore:—(Not regulated).

Brooklyn:—See for Dwellings.

But such buildings shall not be used for manufactory or store-house. No regulations for the latter buildings nor for walls exceeding sixteen (16) inches in thickness for one story, except for foundations and except as they shall be approved by the Commissioner.

Charleston:—(The same as for dwellings).

Chicago:—(Business Buildings).
(Inclosing Walls.)

Depth of Building.	Maximum Height of Wall.	Basement.	1st St'y.	2d St'y.	3d St'y.	4th St'y.	5th St'y.	6th St'y.	7th St'y.
Unlimited.	14'	12"	12"						
Unlimited.	1 story.	12"	12"						
Unlimited.	2 stories.	16"	12"	12"					
Unlimited.	3 stories.	16"	16"	12"	12"				
Unlimited.	4 stories.	20"	20"	16"	16"	12"			
Unlimited.	5 stories.	24"	20"	20"	16"	16"	16"		
Unlimited.	6 stories.	24"	20"	20"	20"	16"	16"	16"	
Unlimited.	7 stories.	24"	20"	20"	20"	20"	16"	16"	16"
Less than 100' deep.	4 stories.	20"	16"	16"	12"				
Less than 100' deep.	5 stories.	24"	20"	16"	16"	12"			
Less than 100' deep.	6 stories.	24"	20"	20"	16"	16"	12"		
Less than 100' deep.	7 stories.	24"	20"	20"	20"	16"	16"	12"	

c Front and rear walls 4" less.

Cincinnati:—(Warehouse Class).
Cleveland:—(Warehouse Class).

Foundations.	Maximum Height of Wall.	Length of Wall.	1st St'y.	Intermediate Stories.	7th St'y from Top.	6th St'y from Top.	5th St'y from Top.	4th St'y from Top.	3d St'y from Top.	2d St'y from Top.	Top-most St'y.
17"	36"	Unlimited.	13"	13"							13"
17"	48"	50'	13"	13"							13"
21"	48"	Unlimited.	17"	13"							13"
21"	72"	50'	17"	17"							13"
21"	72"	Unlimited.	17"	17"							13"
25"	84"	Unlimited.	21"	21"			17"	17"	17"	13"	13"
25"	100"	50'	21"	21"		17"	17"	17"	17"	13"	13"
30"	100"	Unlimited.	26"	26"	21"	17"	17"	17"	17"	17"	13"

Denver:—(Business Buildings).

Foundations.	Minimum Height of Wall.	Maximum Height of Wall.	Basement.	1st St'y.	2d St'y.	3d St'y.	4th St'y.	5th St'y.	6th St'y.
28"	35'	40'	1 story.	13"	8"				
32"			2 stories.	17"	13"	13"			
32"			3 stories.	22"	17"	13"	13"		
36"			4 stories.	26"	22"	17"	13"	13"	
			5 stories.	26"	22"	17"	17"	13"	13"
			6 stories.	30"	26"	22"	22"	17"	13"

Exceeding eighty (80) feet in height the additional thickness shall be determined by the Inspector.

Detroit:—(Brick Buildings used wholly or in part for Business).

Foundations.	Maximum Height of Wall.	1st St'y.	2d St'y.	3d St'y.	4th St'y.	5th St'y.	6th St'y.	7th St'y.	8th St'y.	9th St'y.	10th St'y.
16"	1 story.	12"									
16"	2 stories.	12"	12"								
20"	3 stories.	16"	12"	12"							
20"	4 stories.	16"	16"	12"	12"						
24"	5 stories.	20"	16"	16"	12"	12"					
24"	6 stories.	20"	20"	16"	16"	12"	12"				
28"	7 stories.	24"	20"	20"	16"	16"	12"	12"			
28"	8 stories.	24"	24"	20"	20"	16"	16"	12"	12"		
32"	9 stories.	28"	24"	24"	20"	20"	16"	16"	12"	12"	
32"	10 stories.	28"	28"	24"	24"	20"	20"	16"	16"	12"	12"

District of Columbia:—Not less than for Dwellings and the increased thickness determined by the Inspector.

Kansas City:—(Brick).
(Other than Dwelling, Tenement or Lodging House).

Founda- tion Wall.	Maximum		Basement.	To top of floor joists of the					Remainder.
	Height of Wall.	Length of Wall.		2d St'y.	3d St'y.	4th St'y.	5th St'y.	6th St'y.	
20" D	25'	28"	13"						13"
		35" B	13"						13"
22" D	38'	38"	13"						13"
		60"	17"	17"					13"
		Unlimited.	17"	17"					13"
		50"	17"	17"					13"
28" D	65'	50"	17"	17"	17"				13"
		60"	17"	17"	17"				13"
		Unlimited.	21"	21"	17"				17"
		60"	21"	21"	21"	17"			17"
		75"	21"	21"	21"	17"	17"		13"
32" D	85'	75"	26"	26"	21"	21"	21"	17"	17"
		85"	26"	26"	21"	21"	21"		17"
		85"	Unlimited.	26"	26"	21"	21"		17"
36" D	100'	100"	26"	26"	26"	21"	21"		17"
40" D	115'	100"	26"	26"	26"	26"	26"		17"

D If set at a depth of more than twelve (12) feet below the grade of the street, the thickness increased four (4) inches, for each and every eight (8) feet or part of eight feet.

E Building not exceeding 2,000 square feet in area and used for stables or light mechanical purposes.

Louisville:—(Business Buildings).
(Inclosing Walls.)

Maximum Height of Wall.	Basement.	1st Story.	2d Story.	3d Story.	4th Story.	5th Story.	6th Story.	7th Story.
1 story.	12"	9"						
2 stories.	17"	12"	12"					
3 stories.	17"	17"	12"	12"				
4 stories.	21"	21"	17"	17"	12"			
5 stories.	25"	21"	21"	17"	17"	12"		
6 stories.	25"	21"	21"	21"	17"	17"	12"	
7 stories.	30"	25"	21"	21"	21"	17"	17"	12"

For each additional story above seven stories high, add four inches to thickness given.

F For front and rear walls not carrying joists, four and a half (4½) inches less.

Memphis:—

Maximum Height.	Basement.	1st Story.	2d Story.	3d Story.	4th Story.	5th Story.	6th Story.	7th Story.	8th Story.	9th Story.	10th Story.
Basement and 1 story.	18"	13"									
Basement and 2 stories.	22"	18"	13"								
Basement and 3 stories.	27"	22"	18"	13"							
Basement and 4 stories.	31"	27"	22"	18"	13"						
Basement and 5 stories.	36"	31"	27"	22"	18"	13"					
Basement and 6 stories.	40"	36"	31"	27"	22"	18"	13"				
Basement and 7 stories.	45"	40"	36"	31"	27"	22"	18"	13"			
Basement and 8 stories.	49"	45"	40"	36"	31"	27"	22"	18"	13"		
Basement and 9 stories.	54"	49"	45"	40"	36"	31"	27"	22"	18"	13"	
Basement and 10 stories.	58"	54"	49"	45"	40"	36"	31"	27"	22"	18"	13"

Theatres, Auditoriums, Churches and like Buildings.

Maximum Height.	Footings.	Foundations.	Walls.
30'	45"	22"	18"
40'	54"	27"	22"
50'	63"	31"	27"

Each fifteen (15) feet in height to be considered one story, except the grade line story may be 20'.

Milwaukee:—(Business, Manufacturing and Public Buildings).

Height of Wall.	Basement.	1st Story.	2d Story.	3d Story.	4th Story.	5th Story.	6th Story.	7th Story.	8th Story.	9th Story.	10th Story.	11th Story.	12th Story.
One story.	12" o	12"											
Two stories.	16"	12"	12"										
Three stories.	16"	12" o	12"	12"									
Four stories.	20"	16"	12" o	12"	12"								
Five stories.	20" o	16" o	16"	12" o	12"	12"							
Six stories.	24"	20"	16" o	16"	12" o	12" o	12"						
Seven stories.	24"	20"	20"	16" o	16"	12" o	12" o	12"					
Eight stories.	24" o	20" o	20"	16" o	16" o	16"	12" o	12"					
Nine stories.	28"	24"	20" o	20"	16" o	16" o	16"	12" o	12" o	12"			
Ten stories.	28"	24"	24"	20" o	20"	16" o	16" o	16"	12" o	12" o	12"		
Eleven stories.	28" o	24" o	24"	24"	20" o	20"	16" o	16" o	16"	12" o	12" o	12"	
Twelve stories.	32"	28"	24" o	24"	24"	20" o	20"	16" o	16" o	16"	12" o	12" o	12"

o 4" thicker, when the depth of building is more than 60'.

Minneapolis:—(Business, Manufacturing and Public Buildings).

Maximum Height.	Basement.	1st Story.	2d Story.	3d Story.	4th Story.	5th Story.	6th Story.	7th Story.	8th Story.	9th Story.	10th Story.	11th Story.	12th Story.
One story.	12'	8'											
Two stories.	16'	12'	12'										
Three stories.	16'	16'	12'	12'									
Four stories.	20'	16'	16'	12'	12'								
Five stories.	24'	20'	16'	16'	12'	12'							
Six stories.	24'	20'	20'	16'	16'	16'	12'						
Seven stories.	28'	24'	20'	20'	16'	16'	16'	12'					
Eight stories.	28'	24'	20'	20'	20'	16'	16'	16'	12'				
Nine stories.	32'	24'	24'	20'	20'	20'	16'	16'	16'	12'			
Ten stories.	32'	24'	24'	24'	20'	20'	20'	16'	16'	16'	12'		
Eleven stories.	32'	24'	24'	24'	24'	20'	20'	20'	16'	16'	16'	12'	
Twelve stories.	32'	24'	24'	24'	24'	20'	20'	20'	16'	16'	16'	12'	

Nashville:—(Business Buildings, Brick).

Maximum Height.	Basement.	1st Story.	2d Story.	3d Story.	4th Story.	5th Story.	6th Story.	7th Story.
One story.	12'	8'						
Two stories.	16'	12'	12'					
Three stories.	16'	16'	12'	12'				
Four stories.	20'	16'	16'	12'	12'			
Five stories.	24'	20'	16'	16'	12'	12'		
Six stories.	24'	20'	20'	16'	16'	12'	12'	
Seven stories.	24'	20'	20'	20'	16'	16'	12'	12'

New Orleans:—(Subject to approval of City Surveyor).**Newark:—**

Foundations.		Maximum		To Height above Curb Level of		Remainder.
Stone.	Brick.	Height of Wall.	Width of Building.	20' H	40' H	
16"	12"	20'	25'	8"		12"
20"	16"	40'	25'	12"		12"
24"	20"	55'	25'	16"		12"
28"	24"	Exceeding 55'	25'	20"	16"	12"

Or to the tier of beams next above that height. Buildings more than 25' between bearing shall have walls 4" thicker than in above table.

New York:— (Buildings other than Dwellings, Churches, Theatres or School Houses).

Foundations.		Maximum		To the Height of						Remainder.
Stone.	Brick.	Height of Wall.	Width of Building.	15' x 20' x 25' x 30'	40' x 60' x 70' x 90' x					
16"	12"	15'	18'	8"						12" x
20"	16"	40'	25'		12"					12" x
24"	20"	60'	25'		16"					16"
28"	24"	75'	25'		20"	16"				16"
32"	28"	85'		24"	28"	20"	24"			20"
36"	32"	100'						24"		20"
40"	36"	115'		32"					24"	20"

If of greater depth than 16' below the curb line, for every additional ten (10) feet or part of 10', such additional 10' or part thereof shall be increased at least four (4) inches in thickness.

Or to the nearest tier of beams to that height.

Horizontal measure of bearing wall not to exceed twenty-five (25) feet.

A 12" wall shall not measure more than twenty-six (26) feet vertically.

Walls more than one hundred and fifteen (115) feet high shall have the upper 115' as above given, and the wall below such part and above the curb shall be increased four (4) inches in thickness for each fifteen (15) feet or part thereof, by which the whole height exceeds one hundred and fifteen (115) feet.

Walls of Churches, Theatres, Foundries, Machine-shops, School-houses and other buildings of a public character, shall not be thinner than as given in the preceding Table and in addition shall have such piers or buttresses as in the judgment of the Superintendent may be necessary to make a safe and substantial building.

Omaha:—(Business Buildings).

Maximum Height of Wall.	Basement.	1st Story.	2d Story.	3d Story.	4th Story.	5th Story.	6th Story.	7th Story.
One story.	12'	12'						
Two stories.	16'	12'	12'					
Three stories.	16'	16'	12'	12'				
Four stories.	20'	20' x 16'	16'	16' x 12'	12'			
Five stories.	24' o	20'	20' x 16'	16' x 16'	16' x 12'	12'		
Six stories.	28' o	24' o	20' o	20' o	16' o	16' o	16' o	12'
Seven stories.	28' o	24' o	24' o	20' o	20' o	16' o	16' o	16' o

Four (4) inches less when the wall is less than one hundred (100) feet high.

Four (4) inches less for Front and Rear Walls.

Philadelphia:—(The same as for Dwellings).**Pittsburgh:—**

Cellar or Foundation.		Maximum		1st Story.		Remainder.
		Height.	Width.			
16"		35'	16'	9" F		9"
18"		45'	25'	13" F		13"
20"		55'	28'	18" F		13" F
24"		65'	Unlimited.	28" F		17" F
28"						

F Front wall.

Providence:—

Foundation.	Maximum Height of Wall.	1st St'y.	2d St'y.	3d St'y.	4th St'y.	Remainder.
	30' q	12' q				12' q
24"	40'	16"	12"			12"
28"	60'	20"	16"	12"		12"
32"	Exceeding 60'	24"	24"	20"	16"	12"

q For stables or work-shops for light work not covering more than three thousand (3,000) square feet.

St. Louis:—(Business Buildings, etc.).

Foundation.	Maximum Height of Wall.	1st Story.	2d Story.	3d Story.	4th Story.	5th Story.	6th Story.	7th Story.
21"	One story.	13"	13"					
24"	Two stories.	13"	13"					
26"	Three stories.	17"	13"	13"				
30"	Four stories.	17"	17"	13"	13"			
34"	Five stories.	21"	17"	17"	13"	13"		
?	Six stories.	25"	21"	21"	17"	17"	13"	
	Seven stories.	25"	25"	21"	21"	17"	17"	13"

Four (4) inches less when the first story is of iron.

San Francisco:—(Stores, Warehouses, Hotels, Lodging-houses, Shops and Manufactures).

Foundation or Basement.	Maximum Height of Wall.	1st Story.	2d Story.	3d Story.	4th Story.	5th Story.	6th Story.	7th Story.
16"	One story.	12"						
18"	Two stories.	16"	12"					
21"	Three stories.	16"	16"	12"				
24"	Four stories.	16"	16"	16"	12"			
28"	Five stories.	21"	16"	16"	16"	12"		
	Six stories.	21"	21"	16"	16"	16"	12"	
	Seven stories.	24"	21"	16"	16"	16"	16"	12"

When deeper than sixteen (16) feet below the curb level, increased four (4) inches for every additional five (5) feet.

Front, rear or corner walls carrying beams, to be four (4) inches thicker than shown above.

Wilmington:—(Stores, Warehouses, Public Schools, etc.).

Foundation or Cellar.	Maximum Height of Wall.	1st Story.	2d Story.	3d Story.	4th Story.
17"	Two stories.	13"	13"		
21"	Three stories.	17"	13"	13"	
24"	Four stories.	17"	17"	13"	13"

Buildings of greater height, to have thickness of walls determined by the Building Inspector.

Thickness of Masonry Walls.—Party and Division Walls.—Dwelling-House Class.**Boston:—(Brick Buildings). (Party-Walls).**

Same as external walls but in no case less than 12" thick.

Baltimore:—(Not regulated).**Brooklyn:—Same as external walls.**

Charleston:— The partition walls and walls between all separate tenement buildings shall be not less than twelve (12) inches from the foundation throughout the building.

Chicago:—(Division-Walls).

Height of Wall.	Basement.	1st Story.	2d Story.	3d Story.	4th Story.
Basement and two stories.	12"	8"	8"		
Basement and three stories.	12"	12"	8" A		
Basement and four stories.	16"	12" A	12"	8"	12"

A 4" thicker in buildings having the First Story or Basement and First Story used for shops or stores, first floor not more than 30' higher than grade of sidewalk.

a. Division-Walls less than 16" thick shall have ledges on each side projecting four (4) inches from the face of wall to receive the bearings of joists or rafters.

Cincinnati:— Party-Walls same as external walls.

Cleveland:— Division-Walls not less than two-thirds the thickness of the party or external walls of the same heights and lengths, but never less than nine (9) inches thick except when used as partition walls and are not bearing walls and are not more than twelve (12) feet high.

If the centre of any external or party wall is not more than 25' distant from centre of any other external or party wall to which it is tied by the beams of any floor other than ground floor or floor of story found in roof, the length of such wall shall not be considered in determining thickness of wall.

Denver:— Party-Walls of brick buildings same as external walls, except that no party-wall which is a bearing wall and more than 18' high shall be less than 13" thick.

Detroit:—

Maximum Height of Wall.	1st St'y.	2d St'y.	3d St'y.	4th St'y.	5th St'y.	6th St'y.	7th St'y.	8th St'y.	9th St'y.	10th St'y.
6 stories or less.	12"	12"	12"	12"	12"	12"	12"			
7 stories.	16"	12"	12"	12"	12"	12"	12"			
8 stories.	16"	16"	12"	12"	12"	12"	12"	12"		
9 stories.	20"	16"	16"	12"	12"	12"	12"	12"	12"	
10 stories.	20"	16"	16"	16"	12"	12"	12"	12"	12"	12"

District of Columbia:—

Cellar or Foundation.		Maximum		To Top of		
		Height of Wall.	Width of Building.	1st Floor Joist.	2d Floor Joist.	Remainder.
13"		35'	16'	13" A	9"	9"
13"		45'	Unlimited.	13"	13"	9" c
		55'	"	13"	13"	13"

To the square thereof.

c 9" wall not to exceed 24' high.

Thickness of higher walls determined by the Building Inspector.

Kansas City:— Same thickness for different heights as external walls of such buildings but not less than 13" thick.

Louisville:—(Division Walls).

Maximum Height of Walls.		Basement.	1st St'y.	2d St'y.	3d St'y.	4th St'y.
Basement and two stories.		12"	12"	12"		
More than basement and two stories.		17"	17"	12"	12"	
Basement and three stories.		17"	12"	12"	12"	
Basement and four stories.		17"	17"	12"	12"	12"

When the First Story or First Story and Basement are used for Shop or Store.

Four (4) inches in thickness to be added to the thickness given in table for each additional story over seven (7) stories high.

Memphis:—Same as external walls.
All party-walls shall have such four and a half (4½) inch projection, corbelled out on one or both sides, as may be necessary, to carry floor joists.

Milwaukee:—(Division-Walls and Party-Walls) the same as outside walls. (a).

Minneapolis:—Same as external walls.
Party or division walls of less thickness than 12" shall be corbelled, not less than 3" on both sides, to receive the floor joists. Said corbelling shall not be done in less height than 6 courses of brick, which shall be well bonded into wall.

Nashville:—(Division-Walls.)

	Basement.	1st Story.	2d Story.	3d Story.	4th Story.
Basement and two stories.	12"	8" ■	8"		
Basement and three stories.	12"	12" ■	8" ■	8"	
Basement and four stories.	16"	12" ■	12"	12"	8"

* In buildings where the basement and first story is used for business and the upper stories for dwelling * is four (4) inches more than in the above Table.

New Orleans:—Subject to approval of City Surveyor.

Newark:—Same as external wall except, houses less than 22' wide, 45' deep and 35' high built in blocks, may have party-walls above foundations 8" thick.

New York:—Same as external walls, except that no partition wall shall be less than twelve (12) inches thick, provided dwellings less than fifty (50) feet high and not over twelve and a half (12½) feet wide in blocks may have alternating division-walls eight (8) inches in thickness, such (8) inch wall not being over 50' high.

Omaha:—(Division Walls.)

	Basement.	1st Story.	2d Story.	3d Story.	4th Story.
Basement and 2 or 3 stories.	12"	12"	12"	12"	
Basement and 4 stories.	16"	12" ■	12"	12"	12"

* In buildings used for shops or stores in First Story or Basement and First Story, * to be 16".

Philadelphia:—(Party-Walls.)

Maximum Height.	Cellar or Foundation.	To Height of 1st Story.	Remainder.
35'	16"	9" ■	9" ■
45'	18"	13"	13"
55'	20"	13"	13"
65'	24"	18"	13"

* For a Storehouse not less than thirteen (13) inches.
For greater height the thickness to be determined by the Board of Inspectors.

Pittsburgh:—

Maximum Height.	Width.	Cellar and Foundation.	To Height of 1st Floor.	Remainder.
35'	16'	16"	9"	9"
45'	20' to 25'	18"	13"	13"
55'	20' to 28'	20"	13"	13"
65'	More than 24'	24"	18"	13"

For greater heights thickness determined by the Inspector.

Providence:—

Foundation.	Maximum Height.	To Top of Upper Floor.	Remainder.
16"	35'	12"	12"
18" (stone) }	55'	12"	8"
16" (brick) }			
20"	More than 55'	12"	8"

If two adjoining owners instead of a party-wall shall each at the same time erect a wall on his own land, such walls may be 12" each in thickness to such height as they shall be contiguous.

St. Louis:—(Dwellings and Tenements).
(Party and Partition Walls).

Foundation.	Height.	1st Story.	2d Story.	3d Story.	4th Story.
18"	Two stories.	9"	9"	9"	
21"	Three stories.	13"	9"	9"	
24"	Four stories.	17"	13"	9"	9"

San Francisco:—(Party-Walls.)

Founda- tion.	Maximum Height of Wall.	1st Story.	2d Story.	3d Story.	4th Story.	5th Story.	6th Story.	7th Story.
20"	Less than five stories.	16"	16"	16"	12"			
24"	Five stories.	21"	16"	16"	16"	12"		
21"	Six stories.	21"	21"	16"	16"	16"	12"	
28"	Seven stories.	24"	24"	21"	16"	16"	16"	12"

Party-Walls shall be of solid brick or stone.
Division-Walls shall be not less thick than the outer walls; and where they support floor timbers on both sides they shall be of the thickness required for party-walls.

Wilmington:—Division-Walls not less than 9" thick.

Thickness of Masonry Walls.—Party-Walls.—Other than Dwelling-Houses and Tenement-Houses.

Boston:—(Brick Buildings).

Maximum Height.	1st Floor.	2d Floor.	3d Floor.	5th Floor.	Remainder.
40'	16"	16"			12"
65'	20"	20"			16"
80'	24"	20"	20"		16"
100'	24"	24"	24"	20"	16"

Baltimore:—(Not regulated).

Brooklyn:—Same as external walls.

Charleston:—See for Dwellings.

Chicago:—(Business Buildings). (Division-Walls).

	Basement.	1st Story.	2d Story.	3d Story.	4th Story.	5th Story.	6th Story.	7th Story.
Three stories.	16"	12"	12"	12"				
Four stories.	20"	16"	16"	12"	12"			
Five stories.	24" A	20"	20" A	16"	16"	16" A		
Six stories.	24"	20"	20"	20" A	16"	16"	16" A	
Seven stories.	24"	20"	20"	20"	20" A	16"	16"	16" A

A Four (4) inches less when the building is less than one hundred (100) feet deep.

Cincinnati:— Party-Walls same as external walls.

Cleveland:— Division-Walls not less than two-thirds the thickness of the party or external walls of the heights and lengths, but never less than nine (9) inches thick except when used as partition walls, are not bearing walls, and are not more than twelve (12) feet high. See note under Dwelling-House Class.

Denver:—(Brick Buildings).

Maximum Height of Wall.	To Top of			Remainder.
	3d Floor.	4th Floor.	Upper Floor.	
40'			17"	13"
80'	20"		17"	13"
100'	26"	22"	17"	13"

Detroit:—(Brick Buildings). (Division-Walls).

Maximum Height of Wall.	1st St'y.	2d St'y.	3d St'y.	4th St'y.	5th St'y.	6th St'y.	7th St'y.	8th St'y.	9th St'y.	10th St'y.
3 stories or less.	12"	12"	12"							
4 stories.	16"	12"	12"	12"						
5 stories.	16"	16"	12"	12"	12"					
6 stories.	16"	16"	16"	12"	12"	12"				
7 stories.	20"	16"	16"	16"	12"	12"	12"			
8 stories.	20"	20"	16"	16"	12"	12"	12"	12"		
9 stories.	24"	20"	20"	16"	16"	12"	12"	12"	12"	
10 stories.	24"	20"	20"	20"	16"	16"	12"	12"	12"	12"

District of Columbia:— Party or Division Walls not less than thirteen (13) inches thick for the full height and as much thicker as the Building Inspector shall determine.

Buildings on street corners for heavy storage shall have the bearing wall 4" thicker than otherwise specified.

Kansas City:—(Brick Buildings). (Party-Walls).

Maximum Height of Wall.	2d Story.	3d Story.	4th Story.	6th Story.	Remainder.
38'	17"				13"
55'		17"			13"
65'	21"				17"
75'	26"		21"		17"
85'		26"			17"
100'		26"		21"	17"

Exceeding one hundred (100) feet in height, the additional thickness shall be determined by the Superintendent.

Louisville:—(Business Buildings). (Division and Party Walls).

Maximum Height of Wall.	Basement.	1st Story.	2d Story.	3d Story.	4th Story.	5th Story.	6th Story.	7th Story.
Three stories.	17"	17"	12½"	12½"				
Four stories.	21½"	17"	17"	12½"	12½"			
Five stories.	25½"	21½"	21½"	17"	17"	12½"		
Six stories.	25½"	21½"	21½"	21½"	17"	17"	12½"	
Seven stories.	30"	25½"	21½"	21½"	21½"	17"	17"	12½"

Four (4) inches in thickness to be added to the thickness given in Table for each additional story over seven stories high.

Memphis:—See external walls.

All party-walls shall have four and a half (4½) inches projection, corbelled out on one or both sides, as may be necessary to carry floor joists.

Milwaukee:—Outside, party and division walls the same.

See Party-Walls, Dwellings (a).

Minneapolis:—(Party and Division Walls). Same as external walls.

See Party-Walls, Dwellings, for corbelling.

Nashville:—(Party or Division Walls). Same as outside walls.

New Orleans:—Subject to the approval of the City Surveyor.

Newark:—(Party-Walls). Same as outside walls.

New York:—Same as external walls: (See Dwelling-house, Party-Walls).

Omaha:—(Business Buildings). (Division-Walls).

Height of Wall.	Basement.	1st Story.	2d Story.	3d Story.	4th Story.	5th Story.	6th Story.	7th Story.
Three stories.	16"	12"	12"	12"				
Four stories.	20"	16"	16"	12"	12"			
Five stories.	24" A	20"	20" A	16"	16"	16" A		
Six stories.	24"	20"	20"	20" A	16"	16"	16" A	
Seven stories.	24"	24" A	20"	20"	20" A	16"	16"	16" A

A To be four (4) inches less when the building is less than one hundred (100) feet deep.

Philadelphia:—Same as for Dwellings, except that for a storehouse, the division and party walls shall not be less than (13) inches to the full height thereof.

Pittsburgh:—Same as for Dwellings.

Providence:— Party-Walls shall not be less than twenty (20) inches thick to the top of the second floor above the street, not less than sixteen (16) inches thick to the underside of the roof boards, and not less than (12) inches thick for the remaining height.

St. Louis:—(Party or Partition Walls).

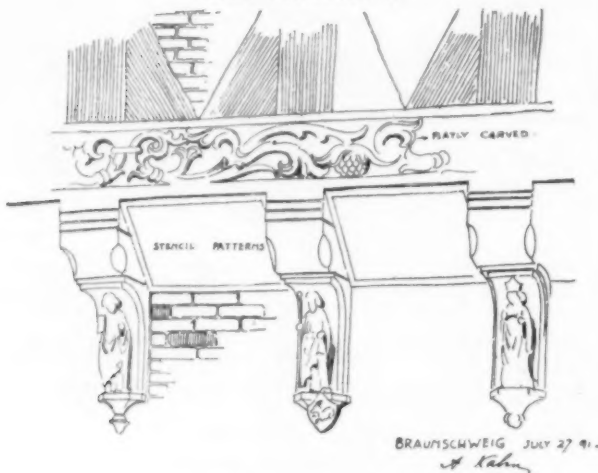
Maximum Height of Walls.	1st Story.	2d Story.	3d Story.	4th Story.	5th Story.	6th Story.	7th Story.
Two stories.	13'	9"					
Three stories.	13'	13"	9"				
Four stories.	17'	13"	13"	9"			
Five stories.	21'	17"	13"	13"	9"		
Six stories.	21'	21"	17"	17"	13"	9"	
Seven stories.	25'	21"	21"	17"	17"	13"	9"

San Francisco:—Same as for Dwellings.

Wilmington:—Same as for Dwellings.

Compiled by H. A. PHILLIPS.

[To be continued.]

SPECIFICATIONS.¹

WHERE is hardly anything represented by an object, or even delineated, but which requires also a description of its parts, the kind of material composing them, and the manner of putting them together.

Technically, we call this a specification. It is a long word, and a long head is more successful in its practical use than any other. It is equally important with the work it describes, the plan, or object itself. In fact, the specifications, with the drawings, constitute the plans, so they are inseparable and, each being a part of the other, should be equally binding.

When we say, "That which is specified in the specification, and not indicated upon the drawings, or *vice versa*, indicated upon the drawings, and not specified in specification, should be done as if it were fully indicated and set forth in both drawings and specification," we mean just what we write. Because the plans (i. e., specification, or drawings) have made the fact known that it is in the one or the other, although not fully set forth in both.

But, again, we read that "should anything be omitted in drawings or specification, not indicated in either, the materials shall be furnished and the work performed as if it were both drawn and specified." This is the old "blanket" clause, the "sing-song" music of either the indolent or incompetent architect for many years, and occasionally to be seen even now. Such clauses will not stand in law, so never think of using them!

Brevity is the soul of a specification, as much as it is of wit, and it must be indelibly borne in mind that wits are required in a specification; and no man without a superabundance of wit should ever attempt the *multum in parvo* of them, unless he has the natural gift of condensing and concentrating his thoughts in the most matter-of-fact, unequivocal manner; which, of course, is utterly impossible without a thorough, practical understanding of the work which he is to specify.

I want you to think of this matter of brevity in specifications. It can, in a great measure, be cultivated; to me it seems almost a science. Look at most of our specifications. What a world of repetition! Well, so that all who read will understand alike, it is sometimes unavoidable, and is a characteristic allowable in specifications. Yet, at the same time, there is no necessity for much of it, if the architect carefully thinks over the ground well before he begins. For instance, what is the use of constantly repeating that the "brick shall be hard," or that the "cement shall be mixed one to two with sharp, clean sand," etc., or, "The brick shall be laid up plumb," bonded, etc., or that the timber and lumber here shall be spruce, and there shall be spruce. And one floor so and so, and next, and next, the same, in long, repeated descriptions?

Now, if possible, start with "All timber or lumber not otherwise specified to be of"—spruce, or anything else, we may wish. Cement and sand—same, and so on, covering all materials in the beginning. Some architects take one story at a time, continuing from basement

up, but, when it can be reduced to the same meaning in fewer words, the better.

Ambiguity is the stumbling block in specifications, as in everything else. Where it occurs, trouble is sure to ensue. There should be no *two* ways of reading or interpreting a specification. It should be straightforward, one thing or the other; and by having it so, you will wield double the strength in enforcing its requirements. Make it a point never to write so as to be misunderstood.

Craftiness or dissembling is not a quality among fair and honorable men, and you, as architects, and arbitrators in deciding points between men, must make your specifications beyond the reach of cavil or contention.

"All to be done in a good and workmanlike manner." How many times that phrase is repeated! Why repeat it at all, when at the onset it is stated that the work shall be such and such, and "to the satisfaction of the architect," etc. It becomes sheer nonsense to continually allude to it. It is not always necessary to go into the minute details of work which can customarily be done but one way, in order to show how much we know of the construction of the thing. What we are required to do, is to give the mechanic a correct idea of what we want, in such a clear way that it cannot be twisted into any other shape than that specified.

And it is here that the skill and descriptive powers of the architect manifest themselves. And, I am nowise inclined to discredit that which I have many times heard stated, that the same talents, necessarily brought into play in the preparation of good specifications, would, if persevered in, in the right direction, produce first-class writers upon general scientific subjects.

Never specify first-class work when you expect only second and third class. Never call for "clear stuff, free from all knots or other defects," or "the best of stuff," when you mean the second quality, or when "box stuff" will answer as well.

Equally as useless as a poorly-written specification, is a good specification not accurately carried out; and there is no sort of excuse for any person with a specification for good work, who through ignorance or laxity allows poor work to be done. It is not an uncommon thing to find men who can write a good specification, who are entirely lacking in the force and vim to have its requirements properly enforced. Follow the old principle, "Be sure you're right, then go ahead." He who is thus armed with a good specification, is forearmed, and he who is forearmed has "half the battle won."

The specification becomes an article of law, and as such, it is the duty of the architect, or clerk-of-the-works to see that it is properly obeyed. Specifications and drawings should be inseparable. No contract should be made for work to be executed from them without their being subscribed to and signed by all parties concerned, thus becoming a part and parcel of the agreement or contract, and these, known as the original set, upon which the contracts have been awarded and made, should be carefully preserved.

The four major points in the latter are: First, what and where it is that is to be built; second, the amount of money to be expended; third, when to be completed, and fourth, how the money is to be paid to the contractor.

Without any one of these a contract would be of no account; so never forget "The amount to be paid," "When to be paid" and "How to be paid" in your specifications.

Have all the clauses bearing upon points other than the quality and character of workmanship and materials put in the beginning of the specification, where the contractor can understand it clearly before he enters into the technical work. Have your specification so arranged that each mechanic or tradesman will know just where to look for the work he is to do.

This is a sterling trait, and all architects not possessing it would do well to cultivate it.

Be particular to specify that the contractors of the different trades perform the work necessary in the preparation and jobbing of the different kinds of work demonstrated by the drawings and specifications; that "cutting away and building up," which the experienced contractor knows when he looks at the plan is absolutely necessary, although not specifically described, has got to be done, such as centres, patterns, staying, grounds, fitting-up after plumber, gas-fitter, steam-fitter, etc.

I would urge that the form of contract be prefixed to all specifications, so that there would not be anything about a drawing or specification that the contractor would wish to know but that he could find it in an instant.

Square, honest work is always the best. Where matters require a very great deal of explanation to make them apparent, there are very often loop-holes for misunderstanding or trouble. In fact, a long, prosy description of what is wanted, even if it includes a very great amount of detail, is sometimes not as effectual as a broad-minded yet concise description, which conveys in a few words a correct idea of the subject. So attempt, at the very start, to give as nearly as possible a good, practical outline of the work.

Above all things, have your specifications type-written. Of course, it may not always be convenient to have a type writer at hand; but I beg and beseech you, no matter how ugly the pot-hooks and up-and-down strokes of your chirography, make it intelligible. Spell well, and again, above everything, punctuate properly, for there are really more opportunities for misinterpretation of the sense and meaning on the score of improper punctuation than almost anything else. It is a fault which the most experienced of us is very often

¹ Address by Mr. Walter Dickson before the Architect Class, Department of Architecture, Brooklyn Institute, January 5, 1892.

guilty of, so you can see the far-sightedness of the person who first originated in agreements that the architect should be an arbiter in all matters of dispute connected with the drawings and specifications, and whose decision should be final and binding. So you see the frailties of the architect were early discovered. But the antidote came with it in giving us this privilege of correcting our own mistakes!

Corrections and interlineations should never be allowed, unless exactly duplicated and thoroughly understood in writing between all parties concerned in the contract. It is an offence well calculated to cause great contention unless understood beforehand.

No marks, changes or alterations should, under any consideration, be made in or upon any plan or specification after the contractors have begun to take off their figures and quantities for their estimates upon the same. It is a plain criminal offence, apparent to all, and should be punishable, for such deliberate or careless manipulation against honor and integrity has made and ruined thousands. Specifications, once given out to be estimated upon, have become in every feature inviolate, a law which no one should dare to trifle or tinker with. Certainly, should there be any ambiguity of expression or line, the architect would have to decide it; but that decision should be made as plain to one contractor as another—in fact, to all interested.

THE CATHEDRALS AND CHURCHES OF NORTHERN FRANCE.



Font, Tryde Church, Sweden.

THE following notes on the architecture of the cathedrals and churches of Northern France are here offered in the hope that they may prove interesting to students contemplating a trip this summer to that part of the Continent.

There are few richer fields for the ecclesiologist than Normandy, the old Ile-de-France, and Burgundy; and what pleasure it is to return home after such a trip, with well-filled sketch or note book, with new ideas received, new thoughts suggested, and old prejudices removed!

The writer fears the notes are but slight and generalizing, and go but a very short way towards exhausting the list of ecclesiastical treasure with which nearly every town of importance is so liberally strewn.

Romanesque in an early and somewhat rude form may be seen in the nave of St. Remi at Rheims, the Basse Euvre at Beauvais, and in several other churches of the same diocese.

Later and richer Romanesque may be studied to advantage in the naves of the cathedrals at Bayeux and Le Mans; in the abbey churches of St. Etienne and La Trinité at Caen; St. George-de-Boscherville, near Rouen; and Montivilliers, near Havre; and in the numerous village churches surrounding Caen. Vezelay and St. Etienne, at Nevers, are splendid examples of Northern French Romanesque.

To the transition between Romanesque and Pointed belong the cathedrals of Paris and Sens, the churches of Lisieux and Noyon, and the choir of St. Remi at Rheims.

First Pointed French Gothic in its earlier stages is finely illustrated in the cathedrals of Angers, Auxerre, Bayeux (choir), Chartres, Coutances, Laon, Rouen, Seez (lower part of nave), Soissons and Tours; also in the churches of St. Quentin, Eu, Fécamp Abbey (nave), St. Etienne, Caen (choir) and Pontigny near Sens.

Amiens, Beauvais, Dijon and Rheims are examples of First Pointed in its more advanced stage.

Of Middle Pointed, most exquisite examples are presented by St. Ouen at Rouen, and the choir of Le Mans, the Lady chapels at Fécamp and Rouen, the nave chapels in the latter cathedral, and at Coutances; by the Sainte Chapelle at St. Germer, near Beauvais, and by the rose-windows which are the glories of such transepts as Amiens, Beauvais, Paris, Rheims, Rouen, Seez, Soissons and Sens.

The western façades of Abbeville, Rouen and Troyes, several of the Rouen churches, the transepts of Beauvais, the churches of Caudebec, St. Germain at Amiens, St. Pierre at Coutances, and countless Normandy and Brittany churches, may be cited as specimens of Flamboyant; in this style Orleans Cathedral is entirely built. The large church of St. Eustache at Paris is a curious mingling of Flamboyant, and its successor, the Renaissance. Of the later style almost every cathedral and church can offer a specimen. Perhaps the most widely known examples are the large church of Notre Dame at Havre, and the eastern fringe of chapels at St. Pierre, Caen. To the seventeenth and eighteenth centuries belong the cathedrals of Arras, Nancy, Rennes and Versailles, and the churches of Ste. Geneviève and St. Sulpice in Paris.

La Madeleine, Paris (Corinthian and Ionic) Notre Dame, Boulogne (impure Corinthian), and Cambrai Cathedral, a good reproduction of Italian Corinthian, are erections of this century.

The cathedrals of Meaux, Paris and Troyes, have double aisles to nave and choir; Bourges has double aisles, but no transepts; Laon (Notre Dame and Saint Martin) and several churches in the vicinity

have square-ended choirs. Noyon has choir and transepts terminating apsidally. At Soissons the south transept (Early Pointed) is apsidal; the northern one Middle Pointed and square-ended. Amiens, Bourges, Paris and Rheims possess the most grand and harmonious west fronts. Chartres has the most elaborately sculptured transept porches.

Of tower groups, those of Laon and Rouen are perhaps unrivalled.

Chartres has the finest early, and the finest late, spire. Others of singular elegance are Coutances (very early examples), Bayeux, Senlis, Caen (St. Etienne, St. Pierre and St. Sauveur, most elegant examples with long, reed-like shafts to the belfry stage), Bernières, Ifs, Ducey and Bretteville, all near Caen; and the Kreisker at St. Pol de Leon in Brittany. The central lantern at Coutances is an octagon of singular beauty; it only wants its crowning spire to render this group of steeples one of the most striking on this side of the Channel.

A favorite type of steeple is the "saddleback," met with in various districts, but most frequently in Normandy, between Lisieux and Coutances. St. Nicholas and St. Ouen, at Caen, and the little village church of Carpiquet near that city, are interesting, but plain examples of the "saddleback." Nobler and richer types exist at Nogent-la-Vierge and Villers St. Paul.

The finest naves are those of Amiens and Bourges; the finest choirs, Beauvais and Le Mans. The longest choir (ten bays) is that of Laon; the shortest (one bay) Notre Dame, Châlons.

Rheims Cathedral has the greatest length, 489 feet. Beauvais the highest vault, 154 feet, or with the roof, 197 feet. Amiens covers most ground, 71,208 feet; Chartres comes next, with 68,260 feet; then Rheims, with 67,475 feet; then Paris, with 64,108 feet.

Most extensive crypts exist beneath the choirs of Bourges and Chartres.

Of early mediæval painted glass, that at Chartres is unequalled in Europe for profuseness and deep historical interest; while Bourges, Amiens, Rheims, Rouen and Coutances boast goodly supplies of various dates. Some fine, old early glass exists in the eastern chapels of St. Etienne, at Caen; while several of the Rouen churches, notably St. Ouen, St. Patrice, St. Vincent and St. Godard, afford a rich treat to the admirer of this particular branch of ecclesiology, in its later developments.

In mediæval instrumenta, France is by no means so rich as Germany, owing to the terrible havoc committed by the Calvinists, the bad taste of Louis XIV and XV, the Revolutionists, and latterly by the well-meant but mistaken 'restorations' carried out during the reigns of Napoleon I, Louis XVIII and Charles X.

Amiens Cathedral possesses a magnificent series of choir-stalls; the Madeleine, at Troyes, retains its Flamboyant jubé, while at the backs of the choir-stalls at Paris and Chartres are fine stone sculptures. The elaborately carved organ-cases and iron grilles found in most French cathedrals and large churches belong to the seventeenth and early part of the eighteenth centuries.

Within the last fifty years, as with us, enormous sums have been expended, chiefly by the Government, on the restoration and embellishment of the French churches, with varying success; but to catalogue what has been effected in way of mural and glass painting, goldsmiths' work, and stone and wood carving, would be an endless task. It may not be invidious to mention the fine stained-glass in the choir aisles, eastern chapels, and clerestory of Notre Dame at Paris; or the noble Procession of Saints, with which the genius of Flandrin has adorned the basilica of St. Vincent de Paul in the same city. — T. Francis Bumpus in A. A. Notes.



THE WORCESTER CHAPTER OF THE A. I. A.

THE Worcester Chapter of the American Institute of Architects held their first meeting, towards organization, at the Board of Trade Rooms on Foster Street. The following officers were elected: Elbridge Bryden, *President*; Stephen C. Earle, *Vice-president*; Ward P. Delano, *Secretary*; John B. Woodworth, *Treasurer*.



[Contributors are requested to send with their drawings full and adequate descriptions of the buildings, including a statement of cost.]

ENTRANCE TO THE BERKELEY SCHOOL, NEW YORK, N. Y. MESSRS. LAMB & RICH, ARCHITECTS, NEW YORK, N. Y.

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

FOR full view and description see the *American Architect* for February 6.

MENDOCINO STATE INSANE ASYLUM, UKIAH, CAL. MESSRS. COPELAND & PEIRCE, ARCHITECTS, SAN FRANCISCO, CAL.

STORE FOR JOHN M. LEA, ESQ., NASHVILLE, TENN. MR. W. C. SMITH, ARCHITECT, NASHVILLE, TENN.

This building will be built of red and buff brick with salmon-colored terra-cotta and brownstone trimmings. The windows of the second, third and fourth stories will be trimmed with terra-cotta, the spaces between being filled with buff brick. The ornamental work over the fourth-story windows and the openwork in the gables are also of terra-cotta.

GERMANIA BANK BUILDING, ST. PAUL, MINN. MR. J. W. STEVENS, ARCHITECT, ST. PAUL, MINN.

TAYLOR MEMORIAL CHURCH, MILFORD, CONN. MR. JOSEPH W. NORTHROP, ARCHITECT, BRIDGEPORT, CONN.

RAILWAY STATION, BRUGES, BELGIUM.

[Additional Illustrations in the International Edition.]

SALLE DES FÊTES: CHATEAU DE MARLY-LE-ROY.

[Copper-plate Etching.]

AN old master of the art of engraving, Auguste Guillaumot, père, has occupied the spare time he could give from his daily labors in reconstructing an old French château, the remains of which still exist on the very site of his own house at Marly. A special monograph, published some time ago, by Morel, brought within the reach of the public a magnificent collection of masterly etchings, which the needle of this old master engraver had traced with the profound love that artists have for work which is dear to them. Who amongst us has forgotten his superb contribution to last year's *Salon*, which represented the grand alleyway of the Château de Marly? one of those masterly etchings, the science of which leaves far behind it the finest works of the master-engravers of the last century in the art of etching. M. Guillaumot, père, has made himself a special place in the interpretation of works of architecture, which demands great precision in draughtsmanship at the same time with a profound knowledge of the play of light and shade. These two leading qualifications M. Guillaumot has just displayed in two new plates which are intended to increase the collection which exhibits his restoration of the Château de Marly. One of these plates represents the *salle des fêtes* and the other the billiard-room, which latter was published last week. M. Guillaumot, who has retired to Marly, is somewhat forgotten by the artists of a present generation, and these two able plates will surely reawaken in their minds the remembrance of the great artistic value of this engraver, who has illustrated so many works of architecture, notably the *Travels of M. de Vogüé in Asia Minor*, by a series of etchings which are veritable little chefs-d'œuvre, in which the lighting and draughtsmanship awaken marked astonishment. This billiard-room of the Château de Marly is remarkable for its clearness of drawing, the emphasis of the coloring, and together with this emphatic tonality, the spirit of calmness, which still represents the austere aspect of those great rooms in our palaces, so cold in their formal grandeur.

FOUNTAIN AT AUTUN, FRANCE.

This plate is copied from *La Construction Moderne*.

DETAILS OF WOOD ARCHITECTURE AT BRUNSWICK, GERMANY.

This plate is copied from *Zeitschrift für Bauwesen*.

TOMB IN THE CENTRALFRIEDHOF, VIENNA, AUSTRIA.

This plate is copied from *Architektonische Rundschau*.

MÜNSTER AT BASLE, SWITZERLAND.

This plate is copied from *Schweizerische Bauzeitung*.

MONUMENT TO BREIDEL AND DE CONING, BRUGES, BELGIUM.

This plate is copied from *L'Emulation*.

ST. MARY'S CHURCH, HOLFORD, ENG. MR. F. M. JOHNSTON, LONDON, ENG., ARCHITECT.

THE subject of this illustration, copied from *The Builder*, exists in the form of a very uninteresting building, almost entirely of modern date—the only old features at present visible being some fifteenth-century window-heads and the voussoirs of a Decorated or Early English arch, recently discovered imbedded in the chancel wall, and rebuilt as a door to the vestry by the rector. The churchyard cross, shown in the drawing, is also ancient, but the present base and the cross at top are modern and entirely out of character with the old stem. These it is proposed to replace with others of suitable form founded on local ancient examples.

The new work proposed in connection with the church consists of tower, north aisle and porch, which, it was suggested, should be built as a memorial to the Poet Wordsworth, who lived for two years in the vicinity. The existing tower contains nothing whatever of interest, and is a stunted "saddle-backed" erection, rough-cast and slated, built somewhere about the middle of the last century, and the present porch is equally mean and modern. The only old feature of the north wall is one of the window-heads before mentioned, and

this would be rebuilt in the new aisle wall. Local character has been aimed at in the designs for the tower and new work generally, the former being modelled on the lines of that at Ruishton, in the same county, where the present rector of Holford was brought up. The design has, however, been very freely treated in order to bring the new tower into scale and harmony with the existing building. The materials proposed to be used are Ham-hill Stone for the dressings, and blue lias and the local red rubble for the walling.

INTERIOR OF MILAN CATHEDRAL.

A MOST curious collection could be made out of the variety of critical opinions of which the interior of Milan Cathedral is the subject. Not only Italians, but French, German, American and English judges have differed about its value. According to Kugler, the cathedral is the most noteworthy example of the Gothic or Germanic style in all Italy. He admired the wealth of decorative details about the exterior, but the grandest effect was, he said, produced by the majestic beauty of the interior. If we believe Kugler, the great columns were designed after German principles, but, as at Prague, the design was unskillfully carried out, and he admits the tabernacle arrangement that serves for capitals is a mistake. Burchardt, who held many opinions in common with Kugler, does not share his admiration for the building. He regards it as an example of the compromise between Northern and Southern styles, and the qualities of both are debased. The sight of such a building fully completed, while so many admirable works are still little more than fragments of the architect's designs, caused him much sorrow, and he thought every visitor ought to suffer also when he views the building.

On the other hand, Théophile Gautier, who was endowed with exquisite taste, expressed the greatest delight in Milan Cathedral. One reason he gives will not, however, satisfy severe critics, who are guided by the "True Principles." He considered that the style employed was as well adapted for alcazars and mosques as for a Catholic temple. In that adaptability is a condemnation of the treatment. But the interior, he said, was of a noble and majestic simplicity. In spite of their mass, the columns appeared light in his eyes, and he found no fault with the "tribune fenestrée et décapée" which surmounted each of them. In the interior, Gautier imagined that the superb elegance of the outer parts was veiled, and became humble; "the exterior, from its lightness and whiteness, may be supposed to be Pagan; within, the whole is undoubtedly Christian."

After the Frenchman's brilliant writing, the sharp criticism of old Forsyth may seem to be bathos. What he wrote about the superabundance of decorative details was, however, inspired by shrewdness, and there is no doubt there are grounds for his objections:

The cathedral of Milan has been wonderfully contrived to bury millions of money in ornaments which are never to be seen. Whole quarries of marble have been manufactured here into statues, reliefs, niches and notches, and high sculpture has been squandered on objects which vanish individually in the mass. Were two or three thousand of those statues removed, the rest would regain their due importance, and the fabric itself would become more intelligible. Those figures stand in rows which cross and confound the vertical direction of the architecture; for here the eye naturally runs up the channelled pillars, the lofty windows and long mullions, the lateral spires, the tall, thin buttresses, and never can keep in the horizontal line of the Greek entablature. Their rage for sculpture has encircled the very top of the pillars with statues, which tend to conceal the groinings just where they spring so finely into the vault, which interrupt the immeasurable plumb-line and which lessen the apparent height and the exility admired in a Gothic pillar. No construction of the kind is so bold, so various, so singular as the roof and the cupola. The cut and insertion of every block prove that the art of vaulting ascribed to De Lorme was known before him at Milan in all its varieties. The design is extravagant, yet consistently extravagant. It was left for the reformers to front a Gothic church with quadrangular doors and windows. The furniture of the choir conceals that very part of the church which includes most picture and movement—I mean the circling-ends of the aisles and the chapels behind. Pull down the stalls, galleries and barricades; pull down the canopies, the lamps and red hats, sweep away the balustrade of St. Charles's tomb, and let the high altar alone stand in the sacred cross. Insulate this altar between four Gothic pillars springing aloft into four Gothic arches, and crowned by a pyramid of Gothic fretwork. Then would the architecture and the decoration be one; then the whole would unfold an incalculable variety of forms. While the aisles turned beautifully round the choir, the eluding flight of their curve would promise more than it concealed, and bring into architecture an effect which enchants us in painting. In the pile itself there resides a solemnity which collects the soul and inspires devotion. How awful its distant obscurities! how expanding the vacuum of its high embowed roof! how reverend the shadowings of its painted light! how affecting the family groups kneeling at wide intervals in the vacant nave! What a picture this for Peter Neefs and his associates.

ST. CATHERINE'S, NEAR BATH.

THE CANTILUPE AND WYMBUSH MONUMENTS, LINCOLN CATHEDRAL.

AT first glance these two monuments appear to have been erected at one and the same time, but a closer examination shows that the Wymbush Monument is very inferior in detail and carving to the Cantilupe. There are also other indications showing that they

must have been erected at different dates. One was put up to the memory of Nicholas, Lord Cantilupe, who died in 1355; the other was probably added at the death of Prior Wymbush, which happened more than a century later. The exact date is not known, but it is recorded he was sub-dean of Lincoln in 1471. If this conclusion be correct, the latter is a curious instance of copyism from a previous style. A pleasing feature of the design is the hollow curve given to the outline of the gables. The drawing is by Mr. W. G. Watkins, of Lincoln.

DESIGN FOR MUNICIPAL BUILDINGS.

This design was prepared for one of the recent competitions, by Mr. Stuart H. Davies, of Sheffield, but it was not submitted.

PAINTED FACADE IN THE RUE DE LA MONNAIE, PARIS, FRANCE.

In Paris, amongst other things, the "confection" of our façades tends to become purely industrial in character, not artistic. These façades ought to be composed by the yard, just like the drawing for an India calico or the weaving of a piece of cloth. When the workmen begin to dig the trenches for a building you can in that same moment picture the aspect of the finished building without fear of being mistaken and without having recourse to the help of a clairvoyant of the first rank. A cold surface of stone, pilasters supporting an entablature ending in nothing, enormous consoles supporting frail balconies, windows which allow chinks of light to filter in in such small quantities as would be insufficient for plant life; window trimmings, attics and useless sculpture: the whole composition more or less rich, according as the owner has or has not wealth; more or less well studied, according to the ability of the architect; better or worse executed according to the capacity of the sculptor or ornament, but invariably conceived after a changeless, impeccable, hieratic formula—I might also call it religious and dogmatic. Isn't it about time to check this morbid torpor? Whatever the Jeremiahs of to-day may think as they deplore contemporary incapacity, the workman's hand attains a too supple virtuosity. Industry places at our disposal too admirable aids for us not to try to break the old moulds, and pass outside of the circle in which our quick-witted temperament is etiolated. In this new pathway M. Toché has just made a most interesting effort, which may bring about a revolution in the manner of ornamenting the exteriors of our houses. In the Rue de la Monnaie he has painted an entire façade of a large dry-goods establishment, called "La Samaritaine." He has produced a vast composition after the manner of Tiepolo, a sort of decorative fairyland of most elaborate aspect, in which reality amalgamates itself with dreamland, and where personages belonging to daily life are mingled in that most amusing promiscuity so dear to the decorator of Chenonceaux, mythological figures standing cheek by jowl with the heroes of history. Gabrielle D'Estreés is brushed against by a Fortune, who tears by at full speed on a bicycle, and with a sort of passing curiosity examines the garçons in the livery of "La Samaritaine," as they bear the blazoned banners of the chief workmen's guilds—seeking to consecrate the triumph of laborers—peasants, hand-cart men, workmen of all kinds, who crowd against the base of the monument. This parti-colored crowd revels amid the splendors of a palace the architectural motifs of which very adroitly combine to support the solid points of the construction, and give coherence to the whole, binding together the lines of the composition without confusing it. At the same time, the architecture is fantastic, forgetful of pretentious realism, such as might be seen in the dreams of an opium smoker, in order to emphasize the artist's intention, who wishes to give animation to his façade, and not to paint a picture out of all scale, or effect an optical illusion by representing projections which do not exist. M. Toché has handled his brush with a broad effect, introducing powerful masses simply and firmly modelled, which are broken here and there by the windows. He understood that his work was to have dangerous neighbors—the open air, the rumbling tumult of the public way, the brutality of passing daily life, and has successfully contended with his difficulty by adopting a violent tonality and lively conception which a clear and highly-colored execution support to admiration. The shimmering of stuffs, the brilliancy of the flashing tones, the glitter of gold, the intensity the marbles acquire unite and melt together in a powerful and harmonious *tutti*, which seems written in the same tonality as the orchestral symphony of street sounds. The black holes made by the windows most unfortunately cut up the composition. Stained-glass windows which do great honor to the artistic sense of their author, M. Martineau, plug up some of these empty holes, and so secure for them oblivion. Placed, not like pictures, but flush with the wall, these stained windows are painted after a new process, which gives to them the same color and brilliancy when seen from the outside as when viewed from within. It is the first instance, I believe, that stained-glass has been made to play a part in exterior decoration. Two heads, a porter's from the grain market and a carpenter's, dashing modelled by MM. Baffier and Desbois, agreeably modify the silhouette and proportion of the porte-cochère, which has been remodelled into the chief entrance to the establishment. Executed in the same modern spirit as M. Toché's painting, they indicate to sculptors the benefit that can be derived from employing all the characteristic types of our own day, which are so foolishly calumniated. What intensity of impression would not our monotonous architectural ornamentation gain by abandoning the mouldy mythological subjects, and casting into the gumbrel Mercury, Apollo, Diana and Jupiter. The abuse of this

antiquated frippery has the effect of turning one's stomach. To dare to undertake such a revolution, to jump above and beyond prejudices that have endured for centuries, to seek to endow with a little gaiety the façades of our houses, hitherto condemned to a perpetual condition of moroseness, M. Toché and his distinguished assistants have had the good fortune to fall in with a client of exceptional intelligence, who was quite open to new impressions, in love with his times and endowed with an instinctive artistic perception (fortunately of great justness); who did not impose upon his architect the execution of clothing his building in a special style, defined by precise dates, but left to him every liberty of action. In fact it was he who conceived this curious attempt. The refined gatherer of *objets de vertu*, the enlightened amateur, the learned archæologist, have placed so many shackles about the evolution of modern art that this example deserves to be cited and cited with a certain amount of approbation.—Frantz Jourdain in *la Revue des Arts décoratifs*.

FIGURE FROM "ST. AUGUSTINE PREACHING CHRISTIANITY" IN ENGLAND.

This figure published recently in the *Building News*, is one of the deacons who stand on the steps of the cortile of the ruined Roman palace in the large cartoon "St. Augustine Preaching Christianity in England," which constituted Mr. P. R. Mountford's Royal Academy prize design.



[The editors cannot pay attention to demands of correspondents who forget to give their names and addresses as guaranty of good faith; nor do they hold themselves responsible for opinions expressed by their correspondents.]

THE ILLICIT-COMMISSION EVIL.

NEW YORK, N. Y.

TO THE EDITORS OF THE AMERICAN ARCHITECT:—

Dear Sirs,—I have been a subscriber and faithful reader of your magazine since 1878. In that time I have seen a great many questions asked and answered, but not the one I am going to ask now.

"How is it that so many architects in good standing (seemingly) accept commissions from contractors, material-men, manufacturers, etc., on what they specify?"

I have always held it a most rascally thing to do, and consider that any architect who does such underhand business ought to be exposed, and yet the temptation is constantly thrown at me, by "all sorts and conditions of men," and at the rate of from 2 to 25 per cent.

They generally whisper in an undertone, and when indignantly refused, always say, "it is the customary thing to do, and when we don't ask the question, it is often demanded as a right."

One firm of elevator manufacturers offered it, and then in order to try and cover up his mistake, he told me date, time and place when such a commission had been demanded by an architect whose name you know very well. Is not this a shame; that men of a profession that is becoming daily more honored should stoop to such acts to eke out a few more beggarly dollars than their just and equitable commission allows them?

Yours very truly,

X. Y. Z.

[We are wholly unable to understand the supineness of the profession in this matter of illicit commissions. It is an evil of infinitely greater virulence than is the competition evil, which absorbs to itself alone almost all the attention of those architects who do more than merely look out for their individual interests. In the early months of 1891 we "agitated" this matter with some persistence, and yet we succeeded in drawing out an expression of opinion from only the following architects. "X. Y. Z." may have the satisfaction of knowing that the undermentioned architects at least share his opinion on this matter. As to the rest of the architects in the country, it seems only fair to suggest that the public would consider they stood in a less invidious position if they should speak out as individuals upon this point, or collectively through the Institute and its chapters.—EDS. AMERICAN ARCHITECT.]

Atlanta, Ga., Gardner, Pyne & Gardner.	tin Huss; Geo. Keister; R. W. Gibson; H. R. Marshall.
Boston, Mass., Loring & Phipps; W. H. McInty; Rand & Taylor.	Painesville, O., J. W. Thayer.
Bridgeport, Conn., C. T. Beardsley, Jr.	Philadelphia, Pa., Isaac Pursell; Yarnall & Goforth; W. C. & T. B. Prichett; A. W. Dilks.
Cambridge, Mass., C. H. McClane.	Port Huron, Mich., W. D. Butterfield.
Cedar Rapids, Io., Josselyn & Taylor.	Rochester, N. Y., T. Nolan; H. L. Larzelere; O. K. Foote.
Chicago, Ill., J. N. Tilton.	Saville, N. Y., J. H. Green, Jr.
Cleveland, O., A. D. Kent.	St. Louis, Mo., Ad. Monschein.
Davenport, Io., E. S. Hammatt.	St. Paul, Minn., C. A. Wallingford; Gilbert & Taylor.
Louisville, Ky., C. J. Clarke; P. P. Collins.	Syracuse, N. Y., Buell & Taber.
Macon, Ga., P. E. Denis.	Tacoma, Wash., H. S. Kissam.
Minneapolis, Minn., J. C. Plant; W. H. Hayes; E. S. Stebbins.	Toronto, Can., R. W. G. Bousfield.
Nashville, Tenn., W. C. Smith.	Wilkes-Barre, Pa., Kipp & Podmore.
Newark, N. J., C. P. Baldwin.	Yonkers, N. Y., A. F. Gray.
New York City, N. Y., James Strond; J. C. Cady & Co.; Geo. Mar-	

THE SIGNS OF THE ZODIAC.

NEW YORK, N. Y., March 19, 1892.

TO THE EDITORS OF THE AMERICAN ARCHITECT:—

Dear Sirs,—Will you kindly inform me through the medium of your journal the origin of the "Signs of the Zodiac." Also what books are published giving information on this subject, and greatly oblige,

STUDENT.

[The signs of the Zodiac are of Babylonian origin. Probably a good encyclopedia will give the information you seek.—Eds. AMERICAN ARCHITECT.]



DRAWING-PAPER AND THE FADING OF WATER-COLORS.—The following summary of a paper recently read at the Chemical Society by Professor W. N. Hartley, on "The Acid Action of Drawing-paper of Different Makes," was contributed to a contemporary by Mr. C. J. Woodward. The professor, after stating that he has shown that moisture and acidity are the chief causes of the fading of certain pigments, refers to experiments he has made with various kinds of paper in use, both of old and recent manufacture, and comes to the conclusion that such papers are invariably acid, even those of the most excellent quality. He finds that after steeping paper in dilute sulphuric acid subsequent washing will not entirely remove the acid from the linen fibre of which the best papers are made. The acid seems to combine with the fibre, and the resulting compound is only slowly decomposed or dissolved by the action of water. "Professor Church, in his valuable work on 'The Chemistry of Paint and Paintings,' remarks that he is unable to endorse my statement that the best drawing-papers have an acid reaction. He finds, in fact, that sized papers are generally neutral to test papers, and that inferior papers are often more slightly alkaline than acid. As some doubts may be entertained as to the quality of the papers examined by me, it may be well to state that they were all of the best quality. That no question may arise on this point, I have tested the samples named below in three ways: (1) by dropping litmus solution upon the paper, (2) by washing with a sable brush, (3) by steeping strips of paper in pure distilled warm water and testing the water for acidity and also for sulphates." After giving particulars of the papers and the acid reactions obtained, Professor Hartley goes on to say, "It will be seen from these notes that there were good grounds for attributing an acid action to even the best of drawing-papers." In the course of the discussion which followed, Mr. Wade suggested that the sulphate detected by Professor Hartley was derived from this sulphate, which it was well known was used as an antichlor for manufacturing paper; and Mr. Groves made inquiry as to the way in which the samples had been stored, suggesting that a possible source of the acid was gas used in the room where the packets are kept. Professor Hartley said, in reply, that as a rule the samples tested were taken from the middle sheets of sketch blocks, and he did not think the acidity could be traced to gas.—*Invention.*

SHAFT-SINKING BY FREEZING IN FRANCE.—Shaft-sinking, by the freezing method of Mr. Poetsch, is now being carried on at the coal mines of the Lens Mining Company, in North France, near Valenciennes. The coal deposits are here overlaid by about 113 feet of chalk, with water-bearing seams, changing into blue marly clay at 138 feet below the surface. The latter point was taken as the lower limit of freezing, and twenty-eight bore-holes were put down by hand. The completed pit was to be 16 feet in diameter and eight holes were bored within this area, and the remaining twenty arranged irregularly about it, so as to cover a space about 25 feet square. Each hole was lined with a 6-inch pipe, and inside this was placed a central 2-inch circulating pipe, fitted with bottom plug and top cap and nozzles, after the manner fully described in *Engineering News* of July 5, 1884, and so well known that little more need be here said of the method itself. Several months were required to freeze the ground to the full depth of the holes, but this was accomplished by January 19, 1892, and excavating was commenced. In the upper fissured chalk the water-bearing seams were entirely filled with ice, and the more compact ground below resembled a hard Portland stone, with a toughness under the pick resembling gypsum and requiring small powder charges in the sinking. At the time of the visit of the Federated Institute of Mining Engineers, reported in *The Engineer*, the sinking was progressing at the rate of about 3 feet per day, the shaft being made large enough to take a 16-inch concrete backing behind the iron lining. It was found that the concrete would not set while in contact with the frozen ground; but this difficulty was overcome by adding a small quantity of caustic soda to the water used in mixing. The shaft was lighted by a group of incandescent electric lights, suspended 12 feet above the bottom. When finished the pit will be lined with cast iron to a depth of 271 feet below the surface.—*Engineering News.*

THE HOT WELL AT WHEELING, VA.—There must be a particularly hot spot in the earth under Wheeling, W. Va. It is hoped to sink the well now being driven there at least a mile. The well is little less than five inches in diameter. Its peculiarity is that no vein of water has been tapped, and being perfectly dry, scientific men have an unexampled opportunity to conduct their investigations. The temperature is being taken at various depths. At a depth of 1,350 feet the temperature is 68 degrees; at 2,375 feet, 79 degrees; at 3,375 feet, 92 degrees; at 4,375 feet, 108 degrees; and at 4,402 feet it is 111 degrees. Thus the temperature is increasing faster and faster the deeper the boring. For instance, the increase in the 1,000 feet from 2,375 feet to 3,375 feet is about 13 degrees, while the increase in the next 1,000 feet is more than 16 degrees. If the heat goes on increasing in similar progression,

a depth will be reached before long where every solid substance will be melted. That, however, will be no indication that the same state of things exists everywhere under the earth's crust, for wells driven in other parts of the world have shown very different rates in the increase of heat.—*Fire and Water.*

PENSION INSURANCE FOR WORKING-MEN.—In the preparation of all pension-insurance schemes for the benefit of the working-classes, it is important to know the disposition of the persons most interested in the matter. A significant incident has just occurred in England. Messrs. Horrocks, Crewdson & Co., the great cotton-spinners and manufacturers, offered to subscribe £1,000 a year to a pension fund on condition that their work-people would subscribe upon an actuarial scale. The matter was put to the vote both at Bolton and at Preston, where the firm conducts its business, and the proposal was rejected by more than two to one. This result will be interesting to Mr. Chamberlain and others, especially in connection with the experience of the authorities in charge of the pension scheme in Prussia.—*New York Evening Post.*

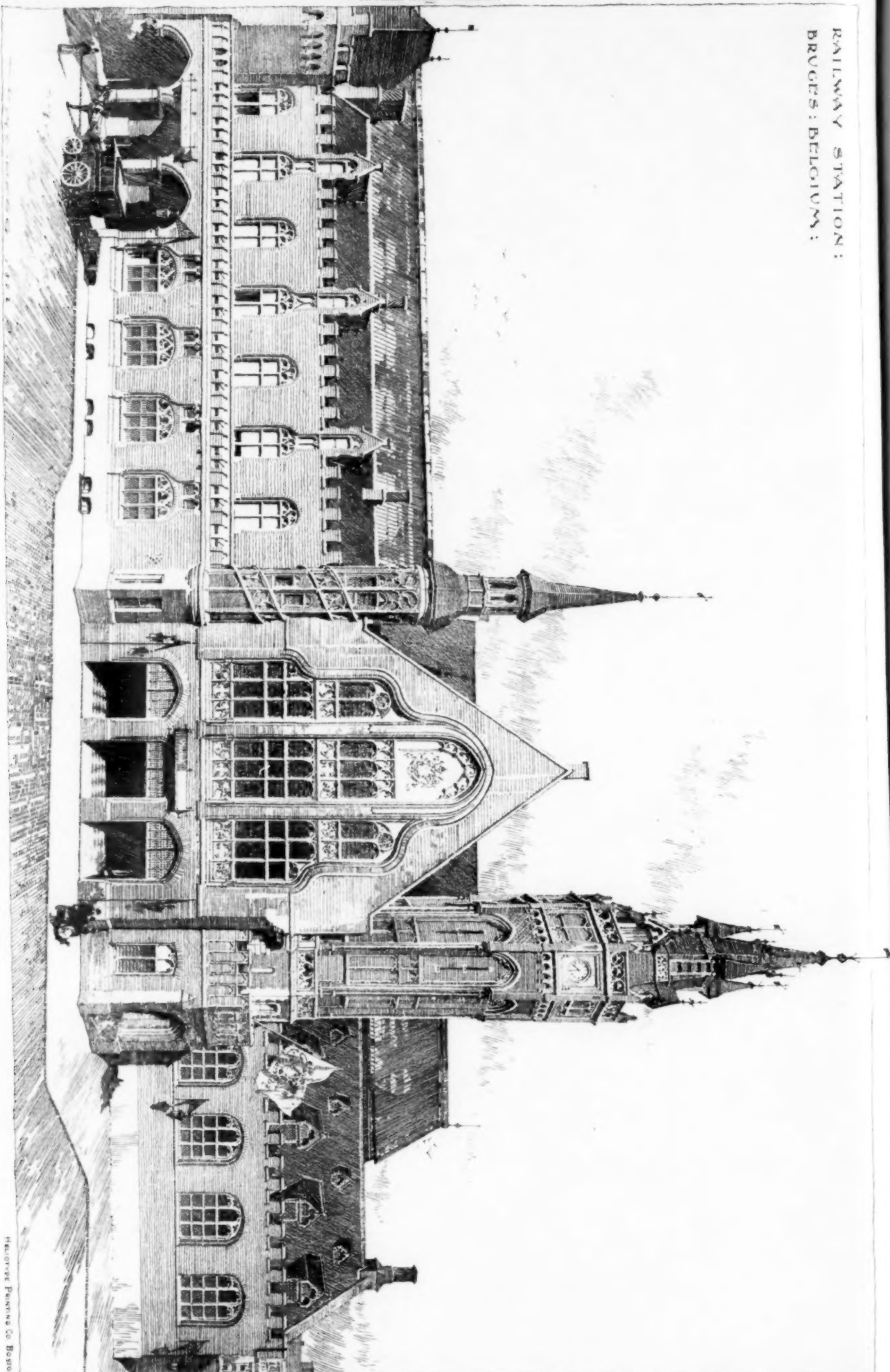
WATER-POWER AND ELECTRIC HEATING.—Switzerland has long been noted for the shrewd manner in which its waterfalls and rushing streams are utilized in electric-light and power. An innovation has now been made at the Maloja Kursaal, on the Engadine, where the current generated by the water-power is to be used in heating the hotel. The heaters are to be scattered about the buildings, just as stoves or steam coils would be, and it is understood that the current is to be employed for cooking too. The circuits run, of course, into every room, and at night nothing will be easier than to unship one of the little lamps and put in the wires for a hot-water "grog" boiler, or for a bed-warmer, both of which will stay warm through the whole night, and at one predetermined heat.—*New York Evening Post.*



CAPITALISTS, stock speculators, investors, promoters of large enterprises, and others interested in the rapid development of commercial and manufacturing enterprises of all kinds, are impatient at the long-drawn-out dulness that set in eighteen months ago. From recent expressions of opinion, it is becoming more evident that this long depression is near an end. A reaction is very near at hand. In our own country, financial and industrial legislation, or tinkering at such accounts for much of the dulness in trade circles. The lenders of money are not liberal, excepting to regular customers. Enterprises outside are obliged to stand back. The restoration of confidence will do much to overcome the complaints of a scarcity of currency, but cannot remove the cause. There is a bitterness among agitators for legislation in financial affairs throughout the West which will press and press until a conflict between the two forces takes place. Those who imagine that the issue involved in the free coinage of silver can be voted aside or shelved by shrewd political managers are mistaken; it is an issue which must be fought out, and this fact is admitted and recognized by the leading bankers. The business situation has improved slightly within the week. Consumers generally do not seem to recognize the danger of a greater demand than existing supplies can meet. For a year and a half production has been curtailed, and market requirements have been very carefully studied. To-day, the situation, briefly described, is this: Prices are at their lowest. Producers are upon the point of shutting down in many industries, partially, at least. Distributors are buying the least possible. Stocks are, generally speaking, lower than they have been for years. Rightly regarded, all these points are elements of strength. Land values are not declining as a year ago. Real estate in cities and towns is advancing, and suburban properties are worth more than last year. These facts mean a good deal to those who watch the fluctuations in land and real estate. They indicate that preparation has been made for another general advance in land-values. This tendency is further indicated by recent purchases of large contracts of land by speculative combinations in many sections of the West. A steady decentralization of industries accounts in part for this; large crops, also, to some extent, but the real cause is a general one, creating a greater necessity for the early cultivation of unoccupied territory. Ten years ago, or even five, it was uncertain whether a given stretch of territory would be needed in five, ten or twenty years, or when it might be needed; to-day, the time when unoccupied territory will be demanded for agricultural purposes can be approximately fixed, and correctly in an approximate sense, hence the advance in unoccupied land throughout the United States. The manufacturing interests are gaining steadily though slowly in volume of business, but prices are still pointing downward. Jobbers and middle-men in Eastern centres are greatly encouraged with recent distribution, and are now engaged in making urgent shipments on lately-arrived goods. All manner of textile goods are being distributed satisfactorily. Throughout the West there is a stir in implement, tool, wagon, carriage, harness and other trades. In the Southern States, a recuperation is slowly going on, but it will be some months before confidence will be restored. The great staple of that section continues at a very low price. Planters now recognize what Western farmers learned many years ago. Southern railroads are, as a rule, making money, and the construction of branch lines will be prosecuted this year, by which disconnected lines will be brought into systems under more centralized management. Throughout the States west of the Mississippi River there are evidences of improvement in mining, lumber, small manufacturing and in agricultural pursuits. Railroad managers are endeavoring to avoid rate-cuttings, but are demanding an abatement of plain and partisan hostility of State legislators to the best interests of the community, and they are further demanding a representative upon the Interstate Commerce Board, a thing which could have been wisely done long ago. The smaller industries are gaining a little, and there is a steady increase of small concerns, especially throughout the Middle and Western States. For some reason or other, the possessor of a small capital is enjoying more advantages in the building up of business than years ago, while the great trusts seem to be losing in coherence and power, and in some instances are disintegrating. What the underlying law is which is limiting the growth of some of these great concerns and widening the opportunities of small concerns may not be apparent, but there is evidently an influence or force at work beneath the surface of trade and business which is working in that direction.

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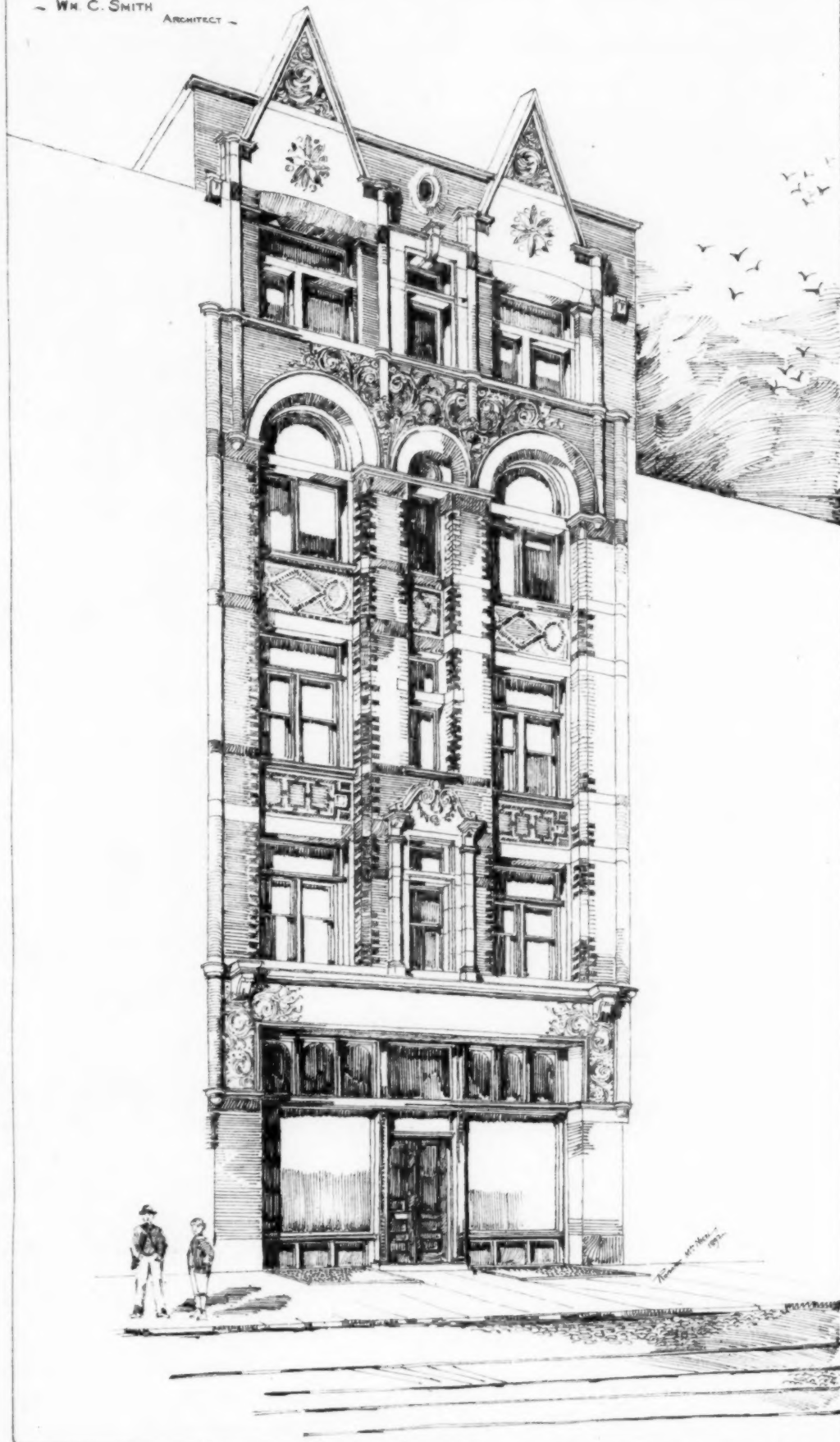


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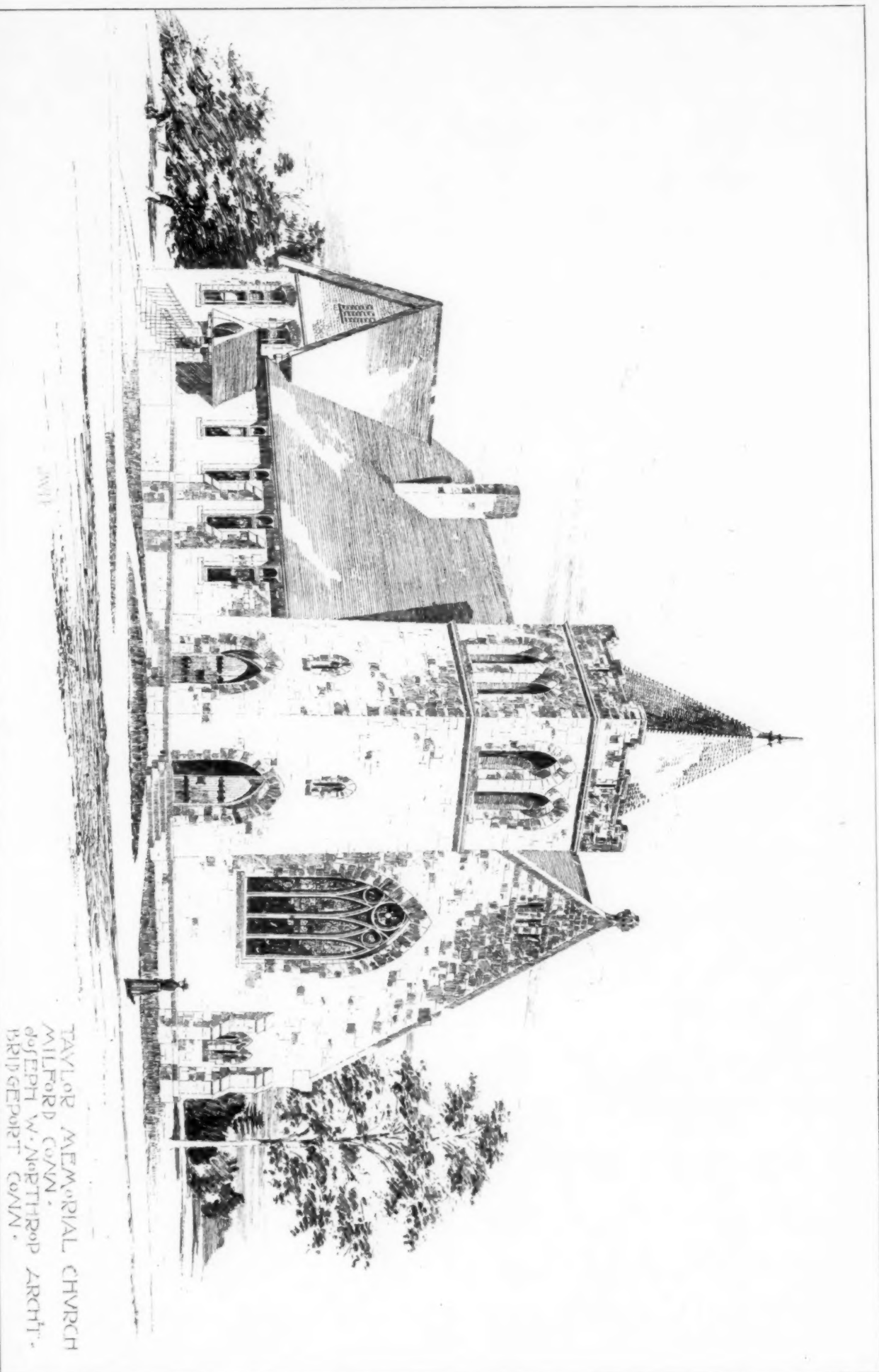
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THE AMERICAN ARCHITECT AND BUILDING NEWS

ADVERTISERS' TRADE SUPPLEMENT.

No. 115.

SATURDAY, JANUARY 2, 1892.

VOLUME XXXV.
No. 38.

VARNISH MANUFACTORY.

THE accompanying illustration represents the largest Varnish Factory in the world, owned by Berry Brothers; and established by them in 1858.

Every grade of Varnish and Japan known is here made; and the worth and popularity of the products may at least be inferred when it is considered that the infant industry of thirty-three years ago has distanced all competitors, and risen to its present proud dignity of the largest establishment of its kind in the world.

Special attention is given to the manufacture of Varnishes for the house painters' and finishers' use, than which no detail of the varnish-makers' business should receive more conscientious care, or to which should be brought a more thorough knowledge of the consumers' wants.

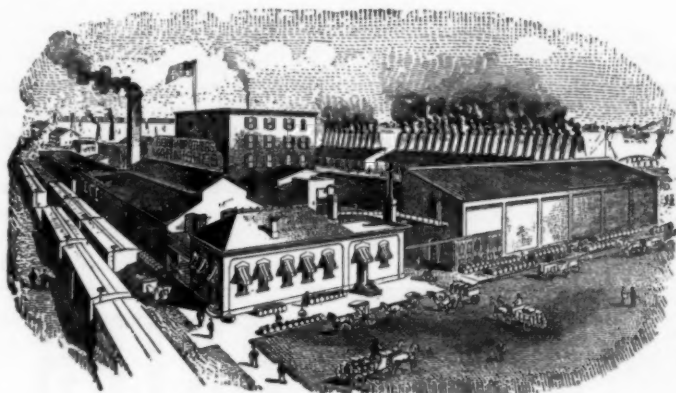
Prominent among the finishing materials

floor finish. So many unreliable articles for the purpose have been placed upon the market during the past few years, that Elastic Floor Finish — which is everything a floor finish should be — has long since secured a firm hold upon the confidence of architects, contractors and finishers alike.

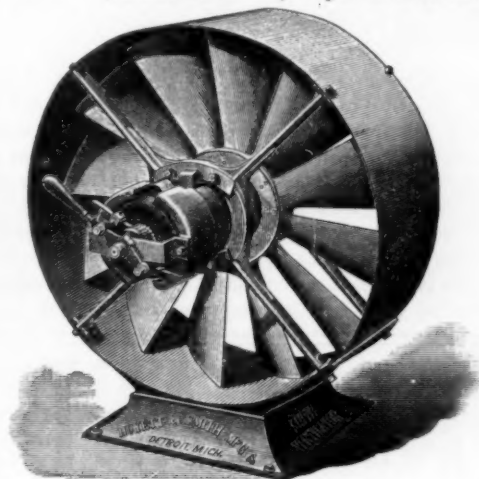
It is safe to say that no other finishing materials have ever attained such widespread renown as "Hard Oil Finish," "Elastic Outside Finish" and "Elastic Floor Finish;" introduced and made only by Berry Brothers, to whom any inquiries addressed concerning the finishing question will be promptly and carefully answered; and finished specimens of wood will be cheerfully sent, post-paid, to any one interested.

BERRY BROTHERS,
NEW YORK, BOSTON, PHILADELPHIA, BALTIMORE,
CHICAGO, CINCINNATI, ST. LOUIS, SAN FRANCISCO:
FACTORY, DETROIT.

with our old one doubles our floor-space and orders are coming in so fast we already commence to be crowded again. The past month we have put a heating-plant into the *Youth's Companion* Building at Boston and into the United States Printing Co., (Russell-Morgan Co.,) Cincinnati, and are now engaged upon a plant for the Chicago and Grand Trunk Railway at Port Huron, Michigan, and for the Wrought-iron Bridge Co., at Canton, Ohio. We have the following plants in Massachusetts: *Youth's Companion* Building, Boston, Public Schools at Fitchburg and North Abington; Russell & Jones Clock Co., Pittsfield and the Worcester Steam Heating Co., Worcester. We must put in many more the coming year — and when we consider the number of mills there are in New England we ought to have a hundred more. How are we to get at them? It seems as though there should be some way to put us in accord with



Berry Brothers Varnish Works.



The Huyett & Smith Ventilating Fan.

introduced by Berry Brothers may be mentioned Hard Oil Finish, the name of which has become a household word; and which is universally recognized among architects, contractors and finishers as the leading interior finish. It is manufactured only by Berry Brothers, although numerous unsuccessful attempts at imitation have been made.

Another useful finishing material identified with the name of Berry Brothers is Elastic Outside Finish, for outside doors, store fronts, and all exposed work. This finish possesses extreme durability under outside exposure; and is the finest weather-resisting finish in the market.

Still another popular finishing material introduced by Berry Brothers is Elastic Floor Finish, conceded to be the most durable

A VENTILATING FAN.

We exhibit here a cut illustrating our Ventilating Fan with an especially arranged Electric Motor attached, which being something entirely new, we thought perhaps you might like to mention.

We are now preparing one of these fans for exhibition at the London Electrical Exposition which opens January 1, 1892. As they are particularly adapted for ventilating buildings of all kinds we are looking for a large sale of them — and shall carry them in stock in sizes ranging from 21" to 48" in diameter, with a capacity of from 8,000 to 40,000 cubic feet of air per minute, using from one to three horse-power. We have just occupied our new factory 50 x 200, with an L 25 x 50 — two stories high — which

all these people who certainly want to buy what we have to sell.

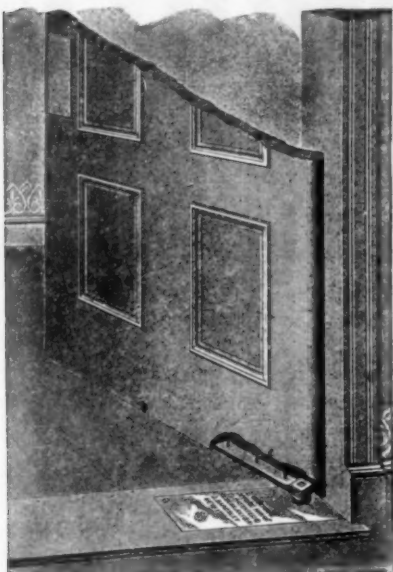
HUYETT & SMITH MFG. CO.,
DETROIT, MICH.

THE "BARDSLEY" CHECKING SPRING-HINGES FOR SWING-DOORS.

THESE hinges are not a new article on the market, but have recently been altered in form to permit of the working parts being made heavier and stronger, and they have been improved in several of the details.

The mechanism of these hinges is very strong and simple. It is contained in a closed iron casing which is let into the floor, or sill, under the door; a brass plate covers it and is all that is seen. The casing is nearly filled with specially prepared non-freezing oil,

which serves as a checking medium as well as lubricant. The action of the mechanism may be described as follows: When the door is opened the lever, fastened in the bottom of the door, turns the cam 2, which being in



back into the box through an aperture controlled by the checking screw 9, by turning which to the right or left, the door is allowed to shut slowly or quickly, as may be desired. The working parts are of hardened steel and being constantly submerged in oil, the wear is very slight. The parts are entirely of metal; no leather packings are used. These hinges possess many advantages over the ordinary spring-hinges, which are enumerated in the advertisement on page 3, cover, of this issue. Further information may be obtained by addressing,

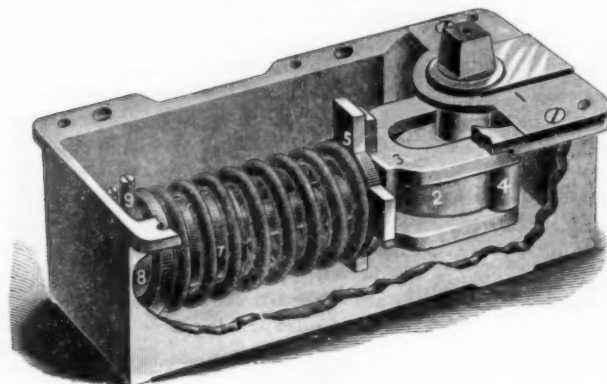
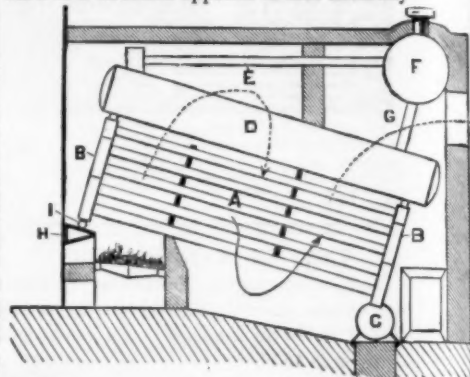
J. BARDSLEY,
147 AND 151 BAXTER STREET, NEW YORK, N. Y.

THE ZELL WATER-TUBE BOILER.

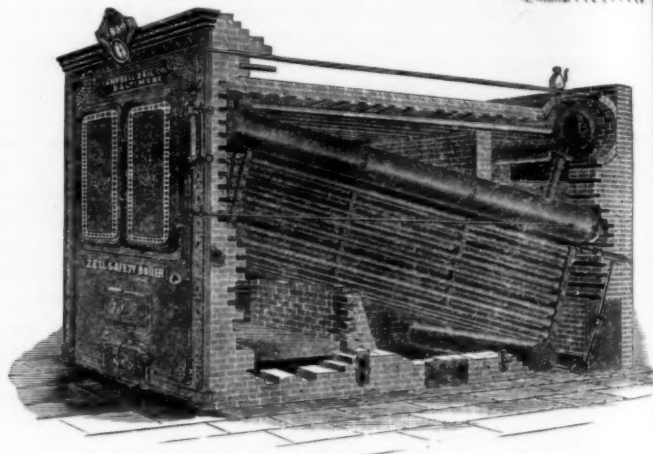
We represent herewith, in perspective and sectional view, a type of boiler which we wish to bring to the notice of all users of steam as a motive power. This boiler which is manufactured by the Campbell and Zell Company, of Baltimore, Md., belongs to the well-known type of sectional water-tube boilers whose distinctive claims to absolute safety from destructive explosion and conse-

many of this type, thus relieving the nipped joints from the weight of iron and water which intensifies the action due to the alternate expansion and contraction of the parts. It rests on two saddles placed under the mud-drum (C) at the rear lower end, and on a roller (I) carried by the arch plate (H) over the fire-doors at the front end.

It has no upright tubes in the path of the hot gas at the rear end, through which the water circulation must be maintained downward in a direction opposite to that naturally



Bardsley Spring-Hinge.



Zell Water-Tube Boiler.

contact with the roller 4, draws up the fork 3, and with it the cylinder 7, at the same time compressing the spring; the stop 5 being stationary in the box, and preventing that end of the spring from moving. As the door opens the oil flows into the cylinder; as it closes the cylinder slides back on the piston 8, which is fastened to the end of the box, imprisoning the oil, which can only escape

quent low insurance rates, rapid generation of steam and economy of maintenance and operation are well established by the most exacting of tests, viz., long, practical experience.

In addition to these general features of excellence, the Zell boiler has special claims to consideration.

It is not suspended from a frame, as are

taken by the steam. It is well known that when steam and water have to take opposed courses through the same pipe of small diameter, that a steady circulation cannot be maintained. In the case of this type of boiler an interruption of the circulation means a solid deposit scale where the flame is sufficiently hot.

The water-drums (D) are placed parallel to

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The Adamant Mfg. Co., Bennett Building, cor. Fulton & Nassau Sts., New York.
The Keystone Plaster Co., Chester, Pa.
Or Corner Greenough Street and Gas Alley, Pittsburgh, Pa.
The New Jersey Adamant Mfg. Co., 61 Passaic Avenue, Harrison, N. J.
The United Adamant Plaster Co., 10 South Holliday Street, Baltimore, Md.
The Northwestern Adamant Mfg. Co., 4th Ave., near 1st St. S., Minneapolis.
Foot of Tower Ave., West Superior, Wis.
The Chicago Adamant Plaster Co., Room 70, 149 La Salle St., Chicago, Ill.
The St. Louis Adamant Plaster Co., 6 to 16 North 2d Street, St. Louis, Mo.

The Connecticut Adamant Plaster Co., 480 Grand Ave., New Haven, Conn.
The Ohio Plaster Co., 5 Euclid Avenue, Cleveland, Ohio.
The Adamant Wall Plaster Works, 315 Superior Street, Toledo, Ohio.
The Indiana Adamant Plaster Co., 196 Maryland Street, Indianapolis, Ind.
The Michigan Adamant Plaster Co., Foot of 21st Street, Detroit, Mich.
The Michigan Adamant Plaster Co., Marquette, Mich.
The Tennessee Adamant Co., East Nashville, Tenn.
The New England Adamant Co., 166 Devonshire Street, Boston, Mass.
The Adamant Plaster Mfg. Co., Tacoma, Wash.
The Adamant Mfg. Co., Toronto, Ontario, Canada.
The South Eastern Plaster Co., Savannah, Ga.

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the incline of the water-tubes (A), and the feed water is introduced at the rear lower end of drum (D), from which point it naturally descends into the rear headers (B) to be distributed among the tubes (A). The greater part of the impurities will naturally be precipitated at once from the feed water on its contact with the hot water in the boiler and will collect in the mud-drum (C) below, and the balance will be deposited there by the succeeding passages of water through the rear headers, due to a rapid and free circulation. The boiler is thus in a measure its own purifier.

By comparison with other generators of its type, it will be found that the water carrying capacity of the Zell boiler is considerably greater, particularly in those above 75 H. P., which have two drums.

The steam often disengaging itself from the water at the upper end of the water-drums (D), passes into the superheating tubes (E)—a feature peculiar to the Zell—where any entrained water is evaporated, then passes to steam-drum (F), which is supported by a water-leg (G), at each end connecting with the water-drums, but well out of the path of the hot gases. The drum is exposed to the hot blast for about three-fifths of its own circumference, thus providing additional superheating surface, and insuring perfectly dry, slightly superheated steam.

Each header (B) takes in four tubes, and has two hand-hole plates on the inside, closing under pressure, thus removing all danger from stripped threads or broken bolts, and insuring the fireman from being scalded, as has so often occurred.

Every square inch of the boiler is accessible, and can be easily watched.

Notwithstanding the greater cost of building the Zell boiler, the prices are low, the workmanship is excellent in every respect, and the manufacturers guarantee to show as high a rate of economy in operation as in the best boiler built, besides giving dry steam.

The house solicits correspondence, and will furnish catalogues and prices on application.

CAMPBELL & ZELL CO.,
BALTIMORE, MD.

NOTES.

UNDER date of October 20, 1891, the United States Circuit Court for the Southern District of New York, issued against Edward Y. Phillips, a perpetual injunction restraining him from infringing further on the letters patent No. 174,304, dated February 29, 1876, and No. 177,280, issued May 9, 1876, to Andrew J. Robinson and by him assigned to the Globe Ventilator Company of Troy, N. Y.

THE Photograph Committee of the Boston Architectural Club has received from Mr. George B. Dexter, as a gift to the Club, a very interesting collection of photographic reproductions from drawings of the Old Masters. The collection can be seen in the club-room at any time.

DENMAN W. ROSS, Chairman.

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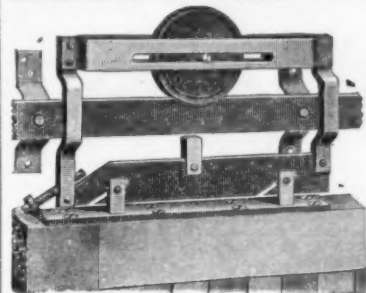
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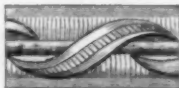
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in use by the Harness Trade in Boston alone, and are endorsed and approved by the following named gentlemen, all of whom have them in use: BOSTON: H. H. White; J. Montgomery Sears; J. T. Morse, Jr.; Thos. Motley; Waldo Adams, with the Adams Express 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. DEDHAM: 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.

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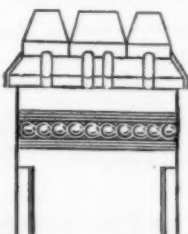
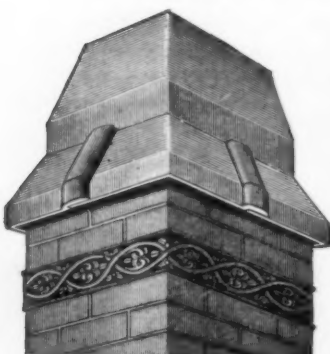
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THE AMERICAN ARCHITECT

AND BUILDING NEWS

ADVERTISERS' TRADE SUPPLEMENT.

No. 116.

SATURDAY, FEBRUARY 6, 1892.

VOLUME XXXV
No. 841.

END-WOOD MOSAIC.

Description.—End-wood mosaic consists in small blocks of various woods set on end and joined by leaden tongues, in the novel manner described below. Each block has a square upper and lower surface, and a shallow groove surrounding it.

Each block is formed separately from a thoroughly kiln-dried "blank" by a special automatic machine, which joints the blank and makes the grooves in all four edges at one operation. Instantly, before they become cold, the blocks are assembled in a special device called a chase, and closely pressed together while molten lead is forced into the grooves. The assemblage thus becomes a solid section. The lead is all in one piece, surrounding each block and holding each in place, but is not seen on the surface.

The primary section is always 16 inches square, but the blocks which form it may vary in size. If there are 9 blocks on a side, there are 81 in all, and each block is about $1\frac{1}{4}$ inches square; if 10 on a side, there are 100 in all, and each block is $1\frac{1}{5}$ inches square. Thus sections are formed having 9, 10 and 12 blocks on a side, and containing, respectively, 81, 100 and 144 blocks in all.

The vertical dimension of the block is invariably $\frac{1}{2}$ inch; that is to say, the flooring is made $\frac{1}{2}$ inch thick, since we have discontinued the manufacture of $\frac{3}{4}$ inch mosaic, except for special orders where the thicker cannot be used.

The blocks constituting a section may be all of one kind of wood, plain mosaic, or they may be of different kinds, so arranged as to form ornamental designs, pattern-work.

The sections above described, having been planed and smoothed on the upper surface, jointed and grooved on the edges, and dipped in linseed oil, are ready for laying.

The materials above described we call square mosaic. All designs shown in our plates, and having numbers less than 1,000, are of this kind. But in square mosaic we have a material which can be cut like common lumber, and from which several classes of designs can be formed. According to the general plan of re-sawing employed, we call these classes diagonal mosaic, mitred mosaic, curved mosaic, mixed mosaic, etc. Thus can be produced an infinite variety of designs. Our plates show but a small part of those which we have already executed, and we are prepared to work out any patterns specified by the architect.

Laying.—We lay the mosaic in the most substantial manner, usually on two thicknesses of water-proof paper, fixing it in place with headless nails and joining the sections with hard-wood splines. We require only a perfectly dry and level foundation floor of matched boards, not too wide, and free from ridges or depressions. Any good mechanic can do this part of the work if only our instructions are followed, but, when the distance is not too great, we prefer to lay the mosaic ourselves.

Finishing.—The work is finished in shellac, hard oil or wax. The last-named is the most approved, requiring no skilled labor or waste of material in its application, and giving a perfect surface, which is easily freed from dust by the brush in common use for this purpose.

Full and specific instructions for laying and finishing, together with laying plan, are sent with each floor.

Requests for estimates should be accompanied by exact measurements and diagram of room. A diagram drawn to scale is preferred.

Woods.—The woods most used are ash, oak, cherry, maple, walnut and mahogany, though other woods are employed when demanded.

Ash is singularly beautiful, by reason of its great variegation. The outer part of the log is whiter even than maple, and this part we select out in order to produce strong contrasts in pattern-work. Ash, "as it runs," or with simply the all-white blocks selected out, has come to be more generally liked than other woods; but, when it is desired, we select out nearly all the blocks that are even partly white, and thus produce a darker general tone.

Oak is remarkable by reason of the distinctness of its medullary rays (seen as hard, light-colored layers in quartered oak), but its general effect is more monotonous than that of ash.

Cherry produces a warm, rich effect, which increases with age, and is much darker than when laid plankwise of the grain.

Maple is to be recommended only where strong contrasts are required, as in pattern-work.

Walnut and mahogany are used for strong contrasts in pattern-work, or to cover larger surfaces where special effects are desired. The latter, by reason of its great cost, commands a special price wherever used.

Merits.—Of the extreme durability of end-

wood mosaic, when compared with common parquetry, there can be no question.

Its beauty we cannot describe. This quality is so novel and striking that its admirers seem to be as numerous as those who have ever seen it.

Its noiselessness and elasticity are no less conspicuous. The leaden tongues, the small blocks and the method of laying contribute to these results.

Its perfection of surface is persistent, in spite of the hardest usage.

The facility with which it is kept in perfect condition is remarked by all who have used it.

Its economy, in comparison with side-wood flooring or with carpets, is indisputable when to these facts is given their proper weight.

The Plates.—In our former catalogues we made use of chromo-lithography, and were disappointed. In our present edition, we have not attempted the impossible task of representing the appearance of end-wood, but have contented ourselves with mere suggestions of a few of the more obvious, pleasing combinations, using to this end only straight lines and one color.

To those who care to learn more of our work, we will send, postpaid, a miniature sample, showing both the appearance of the wood and the method of joining.

The designs can be executed in two or more kinds of wood, and with weak or strong contrasts, as preferred.

And here it should not be forgotten that the variegation in any one kind of wood, when minutely divided, is so great that even our plain mosaic is highly ornamental, and is by some preferred to any set design.

Scale of drawings for $1\frac{1}{4}$ inch blocks, 1 to 36.

Patented March 14, 1882.

Address all correspondence to

WOOD MOSAIC CO.,
ROCHESTER, N. Y.

CHANGE OF LOCATION.

THE Cortright Metal Roofing Company whose main office and factory are located at Philadelphia, Pa., desire to inform the public that their Western office which is now located in Kansas City, Mo., will be removed to Chicago, Ill., about February 1. They will occupy a part of the Exchange Building, No. 134 Van Buren St., corner Pacific Ave. Communications so addressed will receive prompt and careful attention. A large and complete stock of their metal tiles, metal slates, new ornamental shingles and roofing

sundries will be kept on hand there, to supply promptly the Western market. The change was made necessary by the growth and extension of their business at all points in the great West, requiring a more central distributing point for their goods. Any one handling or using roofing material will be benefited by securing the company's latest catalogue and prices.

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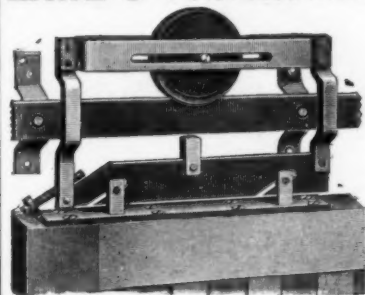
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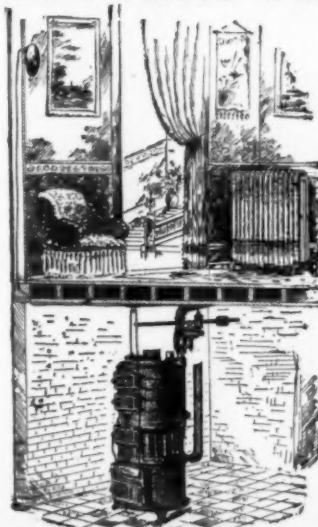
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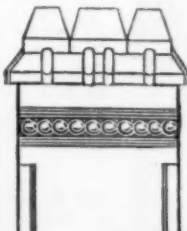
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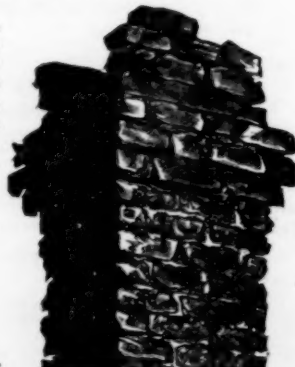


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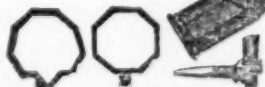
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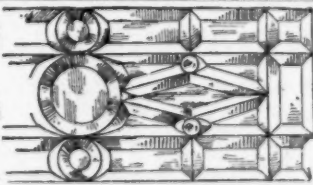
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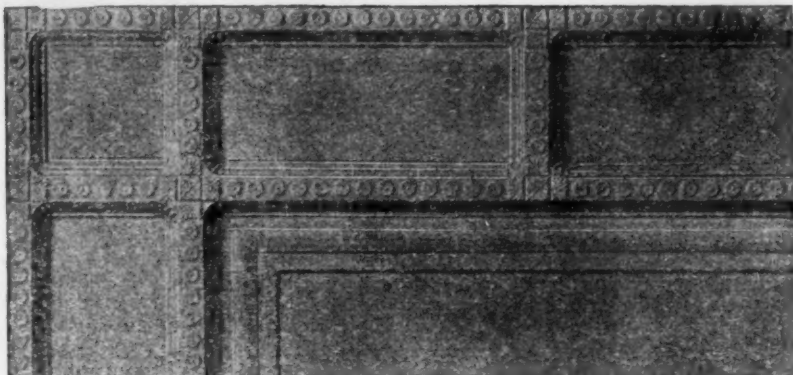
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	New York.	Boston.	Chicago.	Philadelphia.
(Wholesale Prices.) (Prices to Builders and Contractors.)				
Boards: (Ordinary dimensions.)				
Pine, 1st quality, clear.....	65 00 @ 75 00	50 00 @ 60 00	30 00 @ 47 00	48 00 @ 55 00
" 2d quality.....	55 00 @ 60 00	42 00 @ 50 00	25 00 @ 28 00	40 00 @ 45 00
" 3d quality.....	18 00 @ 22 00	35 00 @ 40 00	14 00 @ 20 00	30 00 @ 35 00
Spruce.....	ea 13 1/2 @ 14	13 00 @ 15 00	Not sold.	16 00 @ 20 00
Hemlock.....	20 @ 40	25 00 @ 35 00	@ 12 00	11 25 @ 13 50
Yellow pine.....	@	31 00 @ 40 00	29 00 @ 37 00	14 00 @ 29 00
Cypress.....	@	@	@	@ 35 00
Clapboards:				
Pine.....	@	38 00 @ 60 00	10 00 @ 22 00	14 00 @ 25 00
Spruce.....	@	23 00 @ 35 00	Not sold.	Not sold.
Framing Timber:				
Pine.....	14 00 @ 18 00	15 00 @ 18 00	12 00 @ 15 00	25 00 @ 37 30
Spruce.....	12 00 @ 16 00	14 00 @ 15 00	Not sold.	16 00 @ 18 00
Hemlock.....	18 00 @ 21 00	24 00 @ 35 00	10 00 @ 13 00	13 00 @ 17 00
Yellow pine.....	@	@	@	22 00 @ 28 00
Laths:				
Pine.....	@	2 25 @ 2 35	2 10 @ 2 25	2 75 @ 3 00
Spruce.....	2 40 @ 2 50	2 25 @ 2 50	Not sold.	2 30 @ 3 00
Shingles:				
Pine, shaved..... P. M.....	5 00 @ 6 00	@	Not sold.	@
Pine, sawed..... "	4 00 @ 5 00	@ 4 50	2 20 @ 3 00	@
Spruce, sawed..... "	1 50 @ 2 00	1 50 @ 00	Not sold.	@
Redwood..... P. M.....	1 40 @ 1 60	3 75 @ 4 00	6 00 @ 7 50	{ 30" \$35 @ 40
Cedar split..... P. M.....	@	@	Not sold.	{ 24" 8 @ 21
Cedar sawed..... "	@	2 00 @ 4 00	2 00 @ 2 35	{ 20" 35 @ 14
Cypress, Split..... 7 x 24. "	18 00 @ 20 00	5 00 @ 6 00	3 50 @ 4 00	11 00 @ 14 00
Miscellaneous:				
Piles..... P. ft.....	4 1/2 @ 5 1/2	Piles 6c. P. ft.....	Cut to order.	
Fence pickets, Common.....	8 00 @ 10 00	10 00 @ 18 00	P. 10 00 @ 18 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
Finishing Woods: P. M. (Kiln-dried.)				
Ash.....	@ 55 00	45 00 @ 60 00	30 00 @ 35 00	30 00 @ 40 00
Cherry.....	80 00 @ 120 00	90 00 @ 120 00	80 00 @ 110 00	100 00 @ 120 00
Butternut.....	40 00 @ 60 00	60 00 @ 70 00	50 00 @ 60 00	70 00 @ 80 00
Hard-pine floors (rift).....	@ 180 00	150 00 @ 160 00	150 00 @ 200 00	150 00 @ 250 00
Mahogany, Baywood (Mexican).....	@ 350 00	120 00 @ 350 00	200 00 @ 250 00	300 00 @ 400 00
" St. Domingo.....	45 00 @ 50 00	45 00 @ 50 00	18 00 @ 35 00	25 00 @ 55 00
Oak, red.....	@ 70 00	@ 50 00	32 00 @ 40 00	45 00 @ 55 00
" white.....	@ 70 00	50 00 @ 55 00	22 00 @ 40 00	45 00 @ 55 00
" quartered.....	@ 90 00	65 00 @ 75 00	45 00 @ 50 00	60 00 @ 75 00
Sycamore quartered.....	@	50 00 @ 65 00	35 00 @ 50 00	57 50 @ 65 00
Pine, clear.....	65 00 @ 70 00	50 00 @ 75 00	35 00 @ 50 00	@ 65 00
Redwood.....	60 00 @ 70 00	60 00 @ 70 00	55 00 @ 60 00	60 00 @ 75 00
Rosewood..... P. lb.....	@ 6	32 00 @ 25 00	@ 7	@
Spruce floors (clear, kiln-dried).....	125 00 @ 150 00	85 00 @ 120 00	55 00 @ 100 00	50 00 @ 170 00
Walnut, black.....	45 00 @ 50 00	40 00 @ 45 00	18 00 @ 40 00	25 00 @ 40 00
Whitewood.....	@ 45 00	40 00 @ 42 00	29 00 @ 40 00	50 @ 45 00
Yellow pine..... P. M.....	@	@	@	@

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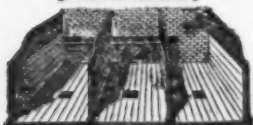
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BRICK.—P. M.				
Common: Cargo afloat.				
Pale.....	2 00 @ 2 25	Eastern {	Building Brick	Sq. Hard @ 9 00
Jersey.....	4 50 @ 5 00	9 00 @ 10 00 }	@ 6 50	" @ 7 00
Long Island.....	"	Bay State Hard		Salmon @ 5 00
Up River.....	4 00 @ 4 50	8 00 @ 9 00		Sq. " @ 9 00
Haverstraw Bay 2d.....	4 75 @ 5 25	Domestic Com.	Indiana Pressed	Light Stretchers
" 1st.....	5 00 @ 5 50	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.....	@ 13 00	Philadelphia {		Dark " @ 13 00
" dark.....	@ 14 00	40 00 @ 45 00 }		Pressed 18 00 @ 20 00
" red.....	@ 14 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	Anderson		
Philadelphia.....	23 00 @ 24 00	14 00 @ 32 00		
Trenton.....	22 00 @ 23 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			
CEMENT, LIME, etc.—(P. M.)				
Rosendale Cement.....	90 @ 1 00	1 20 @ 1 40	Not sold.	1 30 @ 1 50
Louisville.....		Brooks, S. & Co.	1 05 @ 1 30	BS&Co 2 75 @ 3 00
Utica, Akron, Buffalo, Milw'kee,	Not sold.	2 60 @ 3 00	1 00 @ 1 25	2 85 @ 3 25
Portland, English (Gibbs).....	2 50 @ 3 00	2 60 @ 3 00	2 75 @ 3 25	2 85 @ 3 15
" (K. B. & S.).....	2 50 @ 3 00	2 60 @ 3 00	3 00 @ 3 25	2 75 @ 3 00
" Black Cross.....	2 25 @ 2 50	2 60 @ 3 00	3 00 @ 3 25	2 85 @ 3 15
" (Burnham).....	2 10 @ 2 80	2 60 @ 3 00	2 90 @ 3 15	2 75 @ 2 85
" (White's).....	2 65 @ 3 00	2 60 @ 3 00	3 00 @ 3 25	
" 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
" (Vorwerk).....	2 25 @ 2 40	3 15 @ 3 35	3 20 @ 3 40	2 75 @ 2 85
" (Lagerdofer).....	2 50 @ 2 90			
" (Dyckerhoff).....	2 90 @ 3 25	2 55 @ 3 00	2 75 @ 3 00	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		Not sold.	2 75 @ 2 85
" American (Saylor's).....	2 15 @ 2 45	2 15 @ 2 50	Not sold.	
Roman.....	2 75 @ 3 00	@ 3 00	2 75 @ 3 00	2 70 @ 3 00
Keene's coarse.....	5 75 @ 6 50	@ 6 00	2 75 @ 3 25	3 00 @ 3 50
" superfine.....	9 25 @ 10 25	@ 11 50	6 00 @ 7 00	6 50 @ 7 00
			9 00 @ 10 50	8 00 @ 9 00
Lime:				
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	55 @	White Mash 1 25 @ 1 50
Wisconsin Lime.....	@ 85	@ 1 05	60 @	1 00 @ 1 00
Rockland and Rockport (Com.)	@ 1 00	@ 1 10	Not sold.	
Rockland and Rockport, finish.....	@ 1 20	@ 1 20	Not sold.	
Kelley Island Lime, finish.....	@ 85		1 00 bulk, 75c.	
State, com. cargo rates (nom.).....	@ 1 05	Not sold.	Not sold.	Not sold.
State, finishing.....	1 20 @ 1 25	1 85 @ 2 00	Not sold.	Not sold.
Plaster of Paris (calcined).....	1 30 @ 1 35	@ 2 25	1 85 @ 1 90	1 50 @ 2 25
" (casting).....	16 @ 18	25 @ 30	1 75 @ 1 90	1 75 @ 2 50
Hair (Cattle) P bush.....	25 @ 28	@ 30	20 @ 25	20 @ 25
" (Goat).....	1 00 @ 1 25	1 75 @ 1 90	30 @ 35	30 @ 35
Sand, P load.....			@ 60	@ 1 50
STONE. (P cubic foot, rough.)				
Granite: (Maine)		@ 60		
Limestone:				
Bedford.....	45 @ 1 25	95 @ 1 00	50 @	55 @ 65
Joliet.....	@ 1 00		35 @ 55	75 @ 90
Lemont.....	@		35 @ 60	Richmond 75 @ 1 50
Serpentine.....	@	10 50 per ton	@ 1 00	P P perch @ 4 50

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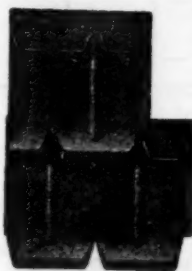
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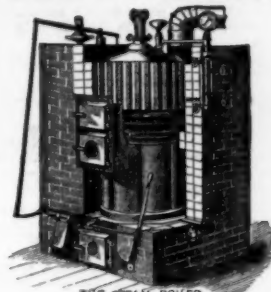
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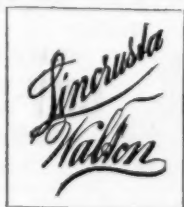
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Mortar Colors.				
Black, brown, buff p lb.	2 1/2			
Colorific p lb.	2 1/2			
Red p lb.	3			
White p bbl.	1 1/2			
Foundation:				
Dimension		5 00 p ton.	20	5 00
Block		4 60 p perch.		37 50
Rubble		1 25 1 50	8 50	1 45 2 50
Bluestone: p sq. ft.)				
Sidewalk	30 50 50 00	40 1 75	75 1 00	1 in. th. 10 25
Planed	50 60 60 00	75	50 1 00	37 50
Sandstone:				
Longmeadow	80	80 90		95 1 16
Kibbo	90	90 1 10		1 05 1 35
Brown (Connecticut)	1 00	1 25 1 45	1 50 p cub. ft.	
Amherst	90 95	90 1 00	45 50	55 1 00
Berea Ohio	75 1 00	85 90	45 55	
Berlin	75 1 00	80 90	55 65	
Belleville	80 1 25	1 25 1 35	1 25	1 10 1 00
New Brunswick (Dorchester)	80 1 00	75 90		1 00 1 00
Caen		2 00		1 25 1 00
Carlisle English	1 05	1 05		95 1 00
Corse Hill (Sootch)	1 05	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
Glen 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, Lehigh	4 25 4 75	10 00 11 00	12 00 14 00	7 50 10 25
" black, Chapmans			6 25 6 85	2 25 4 00
" Unfading black, Monson, Me.	5 50 8 00	5 50 8 00	7 30 8 00	00 4 65
Tiles, Am p M.			6 00 9 00	5 50 8 00
N. Peach Bottom, warranted unfading.			Not Sold.	25 00
PAINTS. (In Oil p lb.)				6 00 6 75
White lead, Am.	7 7 7 1/2	7 7 7 1/2	6 7 7	7 7 7 1/2
" sine	5 8 8 1/2	5 8 8 1/2	7 7 10 1/2	7 7 7 1/2
Red lead, Am.	6 7 7 1/2	7 7 7 1/2	6 7 7	7 7 7 1/2
" Venetian	6 10 10 1/2	7 12	1 1/2 2 1/2	dry Eng. 7
" Vermillion	65 70	70 75 dry	65 68	Eng. 76
" Indian, Eng.	12 20	12 20	12 20	dry Am. 18
Yellow Ochre	6 15	7 12	3 15	18
" Chrome	12 20	18 25	15 25	21
Green (chrome)	8 13	8 20	8 20	21
Green, Paris	25 40	25 40	18 35	15 30
Black, lamp	15 25	15 25	8 30	8 12
Blue, ultramarine	12 18	18 30	12 35	10 24
Oil, linseed, (raw)	55 62	37 38	57 60	60
" boiled	58 65	40 41	60 63	63
Turpentine	36 37	30	51 51	44
Varnish, coach		1 50 6 00	1 25 2 00	125 3 00
Shellac		2 50 3 00	2 25 4 00	150 3 00
Putty	2 4	2 4	2 2 1/2	2 2 1/2
Whiting	75 1 00	1 1 1/2	1 1 1/2	1 1
Paris white, (Eng.)	1 30 2 00	2 3	1 1/2 2	1 2
Litharge, Am.	5 6	7 7 1/2	6 7	7 1/2
Sienna (burnt)	14 20	14 20	4 16	4 14
Umber	14 20	14 20	2 10	2 13
HARDWARE.				
Nails: (Per Cask.) Spikes, (wrought.)	2 85		2 75 3 00	per keg 2 25
10d. common	2 60	2 40	2 35	2 30
Shingle	3 35	2 50	2 75	2 60
Lath	4 85	3 40	3 65	3 60 4 75
(Finishing nails according to size.)			Add .85 to \$1.15	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)			90	90
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 1 25
Ball Tip, Boston Finish (p pair)	65	50	2 00 3 25	1 00
Bronze metal	1 90	plain 1 65	12	35
Brass (for cupboards)	10	10		37 1 00
Ebony				
Apple wood				
Knobs: (p set)				
Mineral, best	8	8	8 10	08
Lava	50	75	65 80	Not Sold.
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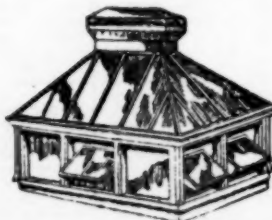
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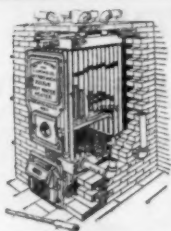
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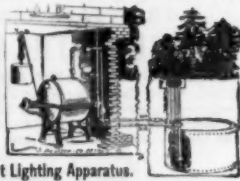
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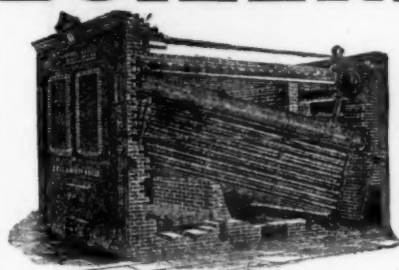


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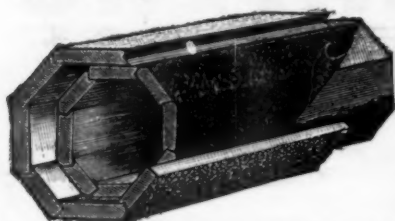
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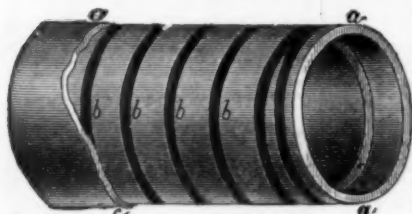
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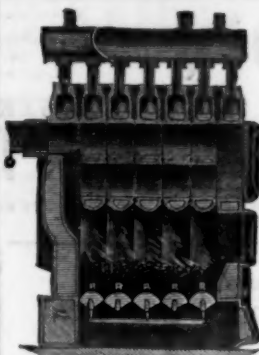


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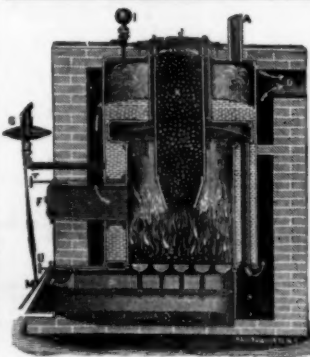
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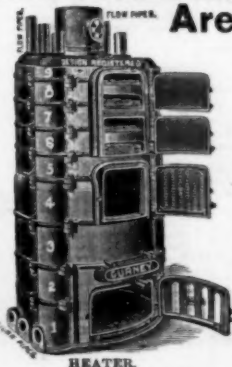
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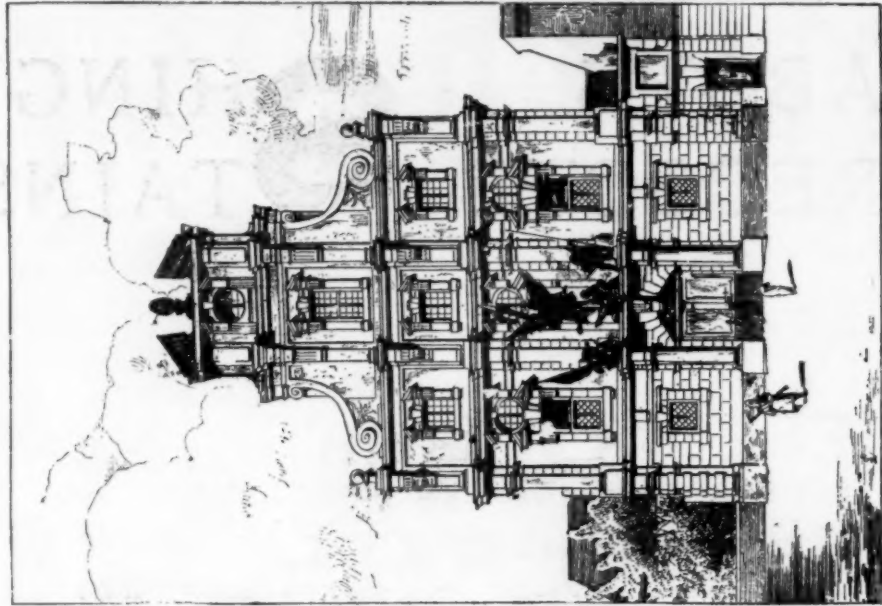
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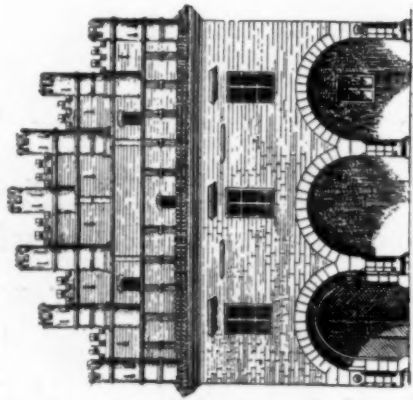
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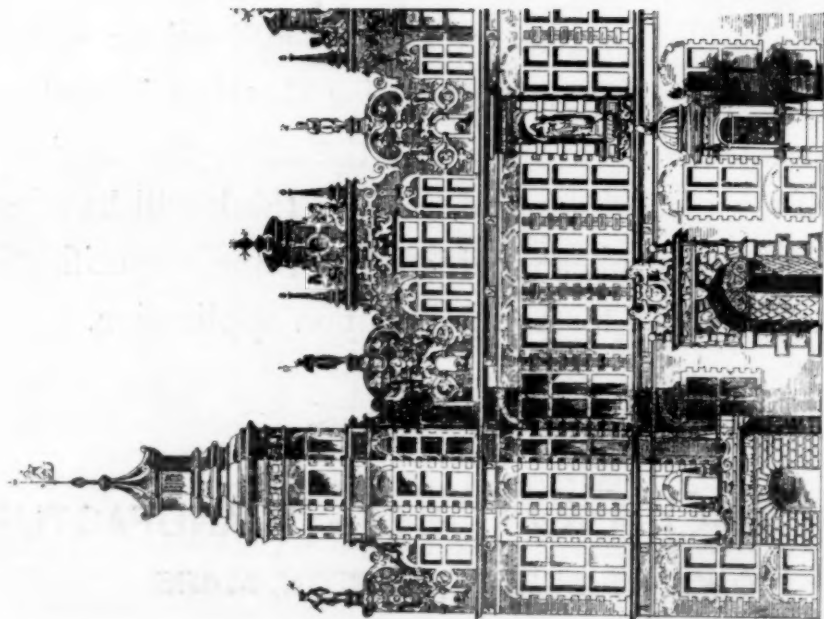
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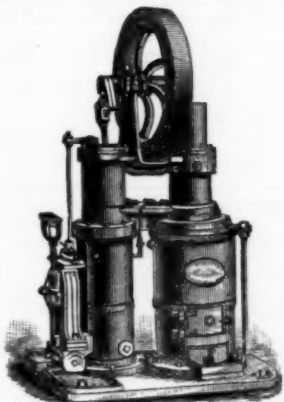
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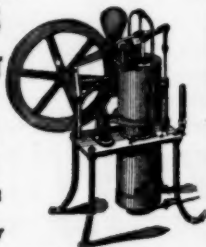


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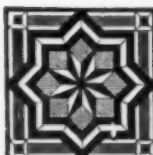
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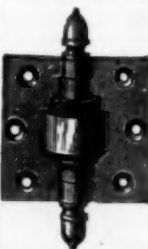
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Page xv.

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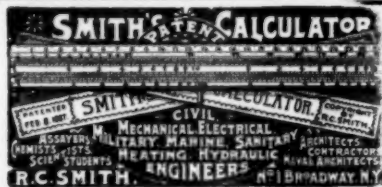
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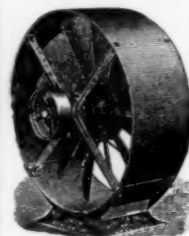
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(Continued on page xv.)

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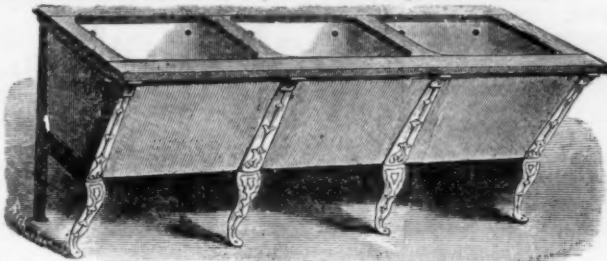
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From Hull. — Steamer "Grafton," 500 tons cliff stone, order.

From Laguna. — Schooner "Norman," 218 logs mahogany, Thebaud Bros.

From Leghorn. — Steamer "Iniziativa," 17 cases marble, order.

From Liverpool. — Steamer "Italy," 36 barrels bricks, 378 casks do., order. Steamer "Nomadis," 26 packages bricks, 32 do., Howard Fleming; 23 blocks stone, C. W. Woodward.

From Marseilles, etc. — Steamer "Caledonia," 266 slabs marble, order.

From Oporto. — Steamer "Oerenum," 15 blocks marble, Bowring & Archibald.

Imports of Building Materials, Etc.,

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From Amsterdam. — Steamer "Rotterdam," 500 casks cement, order.

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IMPORTS OF BUILDING MATERIALS, Etc.

From Panama.—Steamer "Colon," 32 logs wood,
Isaac Brandon & Bro.
From Port Spain.—Bark "F. E. Hagemeyer," 1,500
tons asphalt, order.
From St. Jago.—Steamer "Santiago," 15 logs cedar,
Mosle Bros.; 15 do. mahogany, J. T. Williams &
Co.; 25 do., G. Amsinck & Co.; 9 logs mahogany,
order.
From Trinidad.—Steamer "Burnley," 150 tons as-
phaltum, order. Steamer "Moraca," 900 tons asphal-
tum, order.
From Vera Cruz.—Steamer "Yucatan," 87 blocks
marble, E. Zarang & Co.; 2,347 do., O'Kelly & Co.

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.

Brooklyn, N. Y.—Hamilton Ave., n e cor. Smith St.,
2 four-st'y brick tenements, tin roofs, one-st'y
fronts removed, stone substituted and other altera-
tions made; cost, \$7,500; owner, Hamilton Bank,
Hamilton Ave.; architect, Fowler & Hough, Stew-
art Building, New York City.
Nostrand Ave., s w cor. Greene Ave., three-st'y
brick dwell., tin roof, raised one story, four-st'y
brick extension, tin roof, added, and internal and
other alterations made; cost, \$10,000; owner, C. M.
Marsh, 111 Broadway, New York City; architect,
M. C. Merritt, 1267 Broadway, New York City.

New York, N. Y.—Madison St., No. 289, three-st'y
brick dwell., internal alterations; cost, \$4,500;
owner, Albert Sokolsky, 168 Monroe St.; architect,
Fred Ebeling, 3 First Ave.

South Fifth Ave., No. 15, four-st'y brick dwell.,
extension; cost, \$3,000; owner, Alexander Lappin,
225 West Fourth St.; architect, Theodore Commeyan,
661 Hudson St.

Essex St., No. 102, three-st'y brick dwell., exten-
sion; cost, \$7,000; owner, Abraham J. Levy, 62
Attorney St.; architect, Louis J. Heinecke, 62
Bowery.

Henry St., No. 154, three-st'y brick tenement, in-
ternal alterations; cost, \$3,500; owners, Bernard
Blumberg & Bro., 246 East Broadway; architects,
Schneider & Herter, 48 Bible House.

Catharine St., five-st'y tenement, extension; cost,
\$5,000; owner, Frank D. White, 140 South Portland
Ave., Brooklyn; architect, James E. Ware, 489
Fifth Ave.

APARTMENT-HOUSES.

Brooklyn, N. Y.—Union St., Nos. 709-711, 2 four-st'y
brick flats, tin roofs; cost, \$7,000 each; owner, ar-
chitect and builder, W. J. Conway, Third Ave. and
Sackett St.

Van Brunt St., w s, 59' n Van Dyke St., four-st'y
brick double flat, tin roof; cost, \$8,500; owner,
Peter Plunket, Elizabeth St.

Chicago, Ill.—P. K. Hardin, 4 four-st'y flats, 3515-
3523 State St.; cost, \$30,000.
James Appleton, four-st'y flats, 1526 Wabash
Ave.; cost, \$24,000.

Dr. H. P. Skiles, 2 three-st'y flats, 1395-1397 West
Polk St.; cost, \$16,000.
Julius Kapinski, three-st'y flats, 25 Thomas St.;
cost, \$5,000.

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BUILDING INTELLIGENCE.

Victor Johnson, two-st'y flats, 1631 Fletcher St.;
cost, \$4,000.

Mrs. M. Fitzgerald, 2 three-st'y flats, 2913 Brown
St.; cost, \$10,000.

William Goodsmith, 4 three-st'y flats, 78-82 Maple
St.; cost, \$12,000.

George T. Stonehammer, three-st'y flats, 994 West
Adams St.; cost, \$7,000.

William Pfeiffer, three-st'y flats, barn, etc., 343-
347 Leavitt St.; cost, \$12,000.

Mrs. George B. Hason, 2 two-st'y flats, 5912
Indiana Ave.; cost, \$5,000.

N. C. Hood, 3 three-st'y flats, 7015-7019 Honore
St.; cost, \$15,000.

Lindquist & Halgren, 2 two-st'y flats, 5533-5535
Sherman St.; cost, \$6,000.

Carl Offin, three-st'y flats, 654 Fairfield St.; cost,
\$5,500.

Simeon & Strauss, 4 four-st'y flats, Forty-seventh
and Evans Sts.; cost, \$30,000.

Joseph M. Rogers, 5 three-st'y flats, 1475-1483
Halsted St.; cost, \$25,000.

T. G. Dickinson, four-st'y flats, 590-596 North
Clark St.; cost, \$12,000.

H. Williams, 3 three-st'y flats, 207-211 Oswego St.;
cost, \$15,000.

James Rutherford, three-st'y flats, 754 Walnut
St.; cost, \$6,000.

John Vickor, two-st'y flats, 170 West Chicago
Ave.; cost, \$4,000.

Mill & Makuke, two-st'y flat, 5651 Peoria St.;
cost, \$3,000.

Wm. Kolitter, 2 two-st'y flats, 2198-2200 Ashland
Ave.; cost, \$3,000.

Martin Lewis, 2 three-st'y flats, 1146-1148 Dunning
St.; cost, \$7,000.

BUILDING INTELLIGENCE.

Olson & Eugene, 2 two-st'y flats, 678-680 North
Oakley Ave.; cost, \$8,000.

J. Lamphere, 2 two-st'y flats, 327-331 Harding
Ave.; cost, \$6,000.

New York, N. Y.—One Hundred and Twentieth St.,
n s, 175' w Seventh Ave., five-st'y brownstone flat;
cost, \$26,000; owners, McDowell Bros.; architect, J.
C. Burne.

Park Ave., s w cor. One Hundred and Seventh St.,
4 five-st'y brownstone flats; cost, \$125,000; owners,
Boyle & Bannon; architect, John C. Burne.

One Hundred and Thirty-fifth St., s s, 285' e Sixth
Ave., 3 five-st'y brick flats, tin roofs; cost, \$60,000;
owner, Joseph Turner, 167 West Seventy-eighth
St.; architect, James W. Cole, 403 West Fifty-first
St.

Morton St., s s, 205' 2" e Hudson St., five-st'y
brick flat, tin roof; cost, \$25,000; owner, Josiah S.
Lindley, 5 West Twelfth St.; architect, John C.
Burne, 1531 Third Ave.

CHURCHES.

Baltimore, Md.—The Ark of the Covenant Mission
will build two-st'y corrugated iron building, n s
Frederick Ave., cor. Monroe St.

Lexington, Ky.—The building of an edifice to cost
\$30,000 is contemplated by the members of Main
St. Christian Church.

FACTORIES.

Brooklyn, N. Y.—First Ave., e s, cor. Forty-second
St., four-st'y brick factory, Starr fireproof cement
roof; cost, \$40,000; owners, National Meter Co., 252
Broadway, New York City; architect, Wm. H.
Beers, Tribune Building, New York City.

HOUSES.

Baltimore, Md.—W. H. Wehn, 4 three-st'y brick

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e s Potomac St.; 3 two-st'y brick buildings, w s Hare

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w s Durham St., bet. Federal and Lanvale Sts.

W. W. Hampson, 5 three-st'y brick buildings, w s

Arlington Ave., beg. n w cor. Riggs Ave., and 4

three-st'y brick buildings, n s Riggs Ave.

W. A. Moale, eight or nine st'y brick and stone

building, w s Washington Pl., bet. Monument and

Madison Sts.

J. L. Bowen, 5 three-st'y brick buildings, w s

McClulloh St., s Robert St.

Jno. Hirt, 4 two-st'y brick buildings, n s Jefferson

St., bet. Collington Ave and Madeira Alley.

J. K. Hubbard, 11 two-st'y brick buildings, s s

Elliot St., beg. s e cor. Potomac St.

G. W. Parks, 13 two-st'y brick buildings, e s

Woodyard Alley, bet. Riggs Ave. and Winchester

St.

Jno. G. Gaigner, 5 two-st'y brick buildings, n s

Alicannia St., bet. Luzerne and Patapasco Sts.; and

3 two-st'y brick buildings, w s Clover Alley.

W. J. Clendinnen, 7 two-st'y brick buildings, s s

Federal St., bet. Broadway and Bethel St.

Smith & Wilbur, 3 two-st'y brick buildings, e s

Charles St., and 4 two-st'y brick buildings, w s Pa-

tapasco St., n Port Ave.

George Walz, 5 two-st'y brick buildings, s s Oliver

St., e Gay St.

Edward C. Myers, three-st'y brick building, w s

Washington St., bet. McElderry and Monument Sts.

Frank Herbert, 11 two-st'y brick buildings, e s

Collington Ave., bet. Jefferson and McElderry Sts.

F. O. Singer, 21 three-st'y brick buildings, n s

North Ave., e Robert Ave., and 4 three-st'y brick

buildings, n s North Ave. w Robert Ave.

Benj. W. Minor, 2 two-st'y brick buildings, beg. n

e cor. Remington St. and Girard Ave.

R. B. Mason & Co., 2 three-st'y frame buildings,

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three-st'y frame back building, s s Francis St., bet.

Fulton Ave. and Clifton St.

Boston, Mass. - Holborn St., near Galena St., Ward**21, frame dwell., 27' x 42'; owner and builder, E.****M. Graffam.****Stannore Pl., from Warren St., No. 23, Ward 21,****fourth Ave., 3 two-st'y brick dwell., tin roofs; cost,****\$3,000 each; owner and architect, Robert W. Firth,****471 Fourteenth St.****Bergen St., s s, 35' w Buffalo Ave., 11 two-st'y****frame dwell., tin roofs; cost, \$2,250 each; owner,****Geo. F. Van Doon, 346 Macon St.; architect, Geo.****Van Doon, Jr., 346 Macon St.****Prospect Ave., s s, 140' w Eighth Ave., three-st'y****brick dwell., tin roof; cost, \$4,000; owner, R. Chid-****wick, 461 Fourteenth St.; architect, Walter F.****Dawson, 451 Seventeenth St.****Humboldt St., s s, 315' e Central Ave., three-st'y****frame dwell., tin roof; cost, \$5,000; owner, Mrs.****Dr. Beis; architects, D. Acker & Son, 752 Broadway.****BUILDING INTELLIGENCE.**

Varet St., Nos. 34-36, 2 four-st'y frame dwells., tin

roofs; total cost, \$18,000; owner, I. Horowitz, Eleri

St.; architects, D. Acker & Son, 752 Broadway.

Alabama Ave., e s, 25' s Glenmore Ave., 4 three-

st'y frame dwells., tin roofs; cost, \$2,200 each;

owner, Ernst Sutterlin, 11 Russell Pl.; architect,

Chas. Infanger, 126 Van Stelen Ave.

Lexington Ave., s s, 103' e Grand Ave., four-st'y

brick dwell., felt and gravel roof; cost, \$9,000;

owner, Joseph J. Kirby, 73 Gates Ave.; architect,

Arthur L. Vaulk, Grand Ave.

Chicago, Ill. - C. Johnson, five cottages, 471-479 Iowa

St.; cost, \$5,000.

F. E. Willard, two-st'y dwell., 9422 Forest Ave.;

cost, \$5,000.

G. O. Gordon, 4 two-st'y dwells., 4742-4748 Cham-

plain Ave.; cost, \$14,000.

F. Y. Bennett & Co., 6 two-st'y dwells., Euclid

Ave., near Seventy-third St.; cost, \$24,000.

Charles B. Waite, 3 three-st'y dwells., 5222 Lake

Ave.

New York, N. Y. - One Hundred and Fourth St., n e**cor. West End Ave., 9 three-st'y brick dwells., tin****roofs; cost, \$160,000; owner, David Christie, 634****West End Ave.; architect, F. A. Minuth, 822 Broad-****way.****One Hundred and Thirty-fifth St., s s, 60' e St.****Ann's Ave., 8 two-st'y brick dwells., tin roofs; cost,****\$40,000; owner, John Entwistle, 853 East One****Hundred and Thirty-fifth St.; architect, Andrew Spence,****163 East One Hundred and Twenty-eighth St.****Seventy-sixth St., n s, 100' e Columbus Ave., 7****four-st'y brick dwells., tin roofs; cost, \$200,000;****owner, Alfred G. Nason, 214 East Sixty-first St.; ar-****chitect, G. A. Schellinger, 128 Broadway.****Sixty-eighth St., n s, 150' e Columbus Ave., 4****three-st'y brick dwells., tin roofs; cost, \$72,000;****owner, Peter Wagner, 844 Amsterdam Ave.; archi-****tect, F. Minuth, 822 Broadway.****Creston Ave., 500' s Travers St., two-st'y frame****dwell., peak shingle roof; cost, \$3,000; owner, Karl****M. Rosell, Bedford Park.****Nathalie Ave., e s, 354' n Kingsbridge Road, three-****st'y stone and frame dwell., peaked shingle roof;****cost, \$5,000; owner, A. T. Day, Fordham, N. Y.; ar-****chitects, Rositer & Wright, 47 Liberty St.****Sedgwick Ave., e s, 797' n Jerome Ave., 2 two-st'y****brick and frame dwells., tin roofs; cost, \$6,000;****owners, Geo. and William Reeves, 243 East Thir-****teenth St.; architect, J. H. Valentine, One Hundred****and Twenty-first St. and St. Nicholas Ave.****Travers St., s s, about 150' e Bainbridge Ave., 5****three-st'y brick and frame dwells., peak slate roofs;****cost, \$15,000; owner, Walter J. Lee, Bainbridge****Ave., Fordham.****Union Ave., s w cor. One Hundred and Sixty-first****St., two-st'y frame and stone building, tin roof;****cost, \$3,000; owner, Annette Strauss, 888 Union****Ave.; architects, Leicht & Duvall, 62 Liberty St.****Crotone Ave., w s, 125' s Lebaon St., 3 two-st'y****stone and frame dwells., tin roofs; cost, \$9,000;****owner and architect, Joseph Balmford, Webster****Ave. and One Hundred and Seventieth St.****Providence, R. I. - Daboll St., n s, near Public St.,****two-and-one-half-st'y frame dwell.; cost, \$4,000;****owner, J. A. Latham; builder, P. C. Hobbs.****Somerville, Mass. - Hudson St., frame dwell., 24' x****28'; owner and builder, A. M. Godfrey.****Meacham St., cor. Campbell St., frame dwell., 27'****x 45'; owner and builder, James L. Lea.****Winter St., frame dwell., 24' x 29'; owner, J. B.****Gould; builder, J. H. Stevens.****BUILDING INTELLIGENCE.**

Thorndike St., frame dwell., 25' x 42'; owner, W.

W. Hall; builder, Mr. Warren.

Linden Ave., near Summer St., frame dwell., 20' x

35'; owner and builder, Adelbert D. Rice.

Endicott Ave., No. 29, near Broadway, frame

dwell.; owner, David Young; builder, Otis Phelan.

School St., cor. Stickney Ave., frame dwell., 31' x

45'; owner, John J. Nason; builders, Abbott &

Boyer.

Jay St., frame dwell., 25' x 40'; owner and builder,

Daniel E. Robbins.

Raney St., frame dwell., 24' x 40'; owner and

builder, H. A. Clarry.

Cameron St., two frame dwells., 26' x 35'; owner

and builder, Harvey Taylor.

Albion St., frame dwell., 21' x 27'; owner and

builder, Luke Kilroy.

Lake St., frame dwell., 23' x 48'; with stable, 19' x

20'; owner, George W. Lake; builder, G. W. Ryan.

Trull St., frame dwell., 24' x 35'; owner, James

McCormick; builder, Robert Bennett.

Columbia St., cor. Beach Ave., three-st'y frame

dwell., 30' x 34'; owner, Patrick Kirk.

Billingham St., cor. Jacobs St., double frame

dwell., 35-37' x 41-2'; owner, W. W. Benjamin;

builder, J. E. Herrick.

Linden Ave., three frame dwells., 20' x 35'; owner

and builder, A. D. Rice.

St. Louis, Mo. - Two-st'y brick dwell.; cost, \$20,000;**owner, E. A. Hitchcock; contractors, Goessle &****Remmers.****Two-st'y brick dwell.; cost, \$6,000; owner, Mrs.****Buehler; contractor, J. C. Flynn.****Two adjacent two-st'y brick dwells.; cost, \$5,000;****owner and contractor, E. P. Dickson.****Two-st'y brick dwell.; cost, \$4,500; owner, W.****McAlpin; contractors, A. & J. Shassere.****Worcester, Mass. - Catherine St., three-st'y frame****dwell.; owner and contractor, J. G. Vaudreuil.****June St., one-and-one-half-st'y dwell.; owner, A.****C. Joney; contractor, J. I. Elliott.****Harrison St., three-st'y frame dwell.; owner,****Chas. G. Nichols; architects, Darling Bros.; day****work.****Union Ave., three-st'y frame dwell.; owner and****contractor, J. Roberts.****OFFICE-BUILDINGS.****Atlanta, Ga. - Ten-st'y office-building is contem-****plated by Venable Bros. to cost abt. \$750,000.****SCHOOL-HOUSES.****Boston, Mass. - East Concord St. and Stoughton St.,****Ward 18, four-st'y brick school of medicine, flat**

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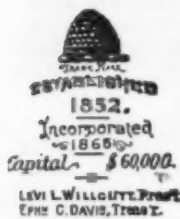
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BUILDING INTELLIGENCE.

roof, 56' x 60'; for Boston University, builders, Con-
nery & Wentworth.Providence, R. I. — Messer St., n s Woodell St.,
brick schoolhouse; owner, City of Providence; ar-
chitect, F. E. Field; builders, N. B. Horton & Son
and Wm. Gilbane & Bro.

STABLES.

Boston, Mass. — Hutchins Ave., rear, No. 7, Ward 22,
one-st'y frame stable, pitch roof, 20' x 32'; owner, J.
J. Kelly; builder, M. J. O'Brien.Charlestown St., No. 134, Ward 7, five-st'y brick
stable, flat roof, 42' x 88'; owner, N. Robbins Est.;
builder, John Kelly.Brooklyn, N. Y. — South Portland Ave., w s, 300' from
Atlantic Ave., two-st'y brick stable, tar and gravel
roof; cost, \$5,500; owner, Geo. F. Corlis, 702 Fulton
St.; architect, Wm. Brockelhurst, Classon Ave.New York, N. Y. — West Fifty-eighth St., No. 213,
three-st'y brick stable, mansard slate and tin roof;
cost, \$12,000; owner, Mrs. S. C. Twombly, 212 West
Fifty-ninth St.; architect, James M. Farnsworth,
119 Nassau St.Somerville, Mass. — Dickenson St., No. 40, frame
stable, 18' x 30'; owner, Sarah P. Byrne; builder,
Mr. O'Connor.Berkeley St., No. 82, frame stable, 20' x 20'; owner
and builder, A. M. Godfrey.Worcester, Mass. — June St., one-st'y frame stable;
owner, A. C. Joney; contractor, J. I. Elliot.

STORES.

Brooklyn, N. Y. — Lorimer St., e s, 37' n Broadway,
three-st'y frame store and dwell., iron roof; cost,
\$4,700; owner, Philip Krenschner, 579 Broadway; ar-
chitect, F. J. Lessing, 91 Ralph Ave.Glenmore Ave., s e cor. Alabama Ave., three-st'y
frame store and dwell., tin roof; cost, \$4,500; owner,
Ernst Sutterlin, 11 Russell Pl.; architect, Chas. In-
fanger, 126 Van Sien Ave.Chicago, Ill. — Christ. Menek, three-st'y stores and
flats, 301 North California Ave.; cost, \$6,000.Joe Lablacie, two-st'y store and flats, 302 Wan-
bunasia Ave.; cost, \$3,000.W. D. Falk, four-st'y store and flats, 138 North
Desplaines St.; cost, \$6,000.B. Philpot & Co., 4 four-st'y stores and flats, 1250-
1258 Michigan Ave.; cost, \$100,000.William Flanagan, 2 three-st'y stores and flats,
3738-3740 South Halsted St.; cost, \$25,000.E. M. Weart, two-st'y store and dwell., 6703 Hal-
sted St.; cost, \$3,000.Niel & Mahuke, three-st'y store and flats, 5547
Halsted St.; cost, \$5,000.New York, N. Y. — Third Ave., No. 1554, five-st'y
brick store, tin roof; cost, \$7,000; owner, Catharine
A. Dean, 277 West Eleventh St.; mason, Bernard
Sberidan; carpenter, Jesse Newman, 247 West
Twelfth St.St. Louis, Mo. — Two-st'y brick store and dwell.;
cost, \$3,650; owner, A. Gerwitz; contractors, Hem-
inghaus & Volmer.Two-st'y brick store and dwell.; cost, \$2,500;
owner, W. H. Dawley; contractor, P. J. Smith.

TENEMENT-HOUSES.

Boston, Mass. — West Sixth St., No. 151, Ward 15,
four-st'y brick tenement, flat roof, 20' x 50'; owner,
John Cannon; builder, Edward Lynch.

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three-st'y frame tenements and stores, flat roof, 32'
x 38'; owner, Annie F. Fletcher.St. Louis, Mo. — Two two-st'y brick tenements; cost,
\$8,400; owners, Terry Bros.; contractor, E. How-
land.Two-st'y brick tenement; cost, \$2,500; owner, J.
Wollert; contractor, B. Stock.

WAREHOUSES.

Baltimore, Md. — J. J. Hartman will build four-st'y
brick warehouse, n w cor. Madison St. and Moore
Alley.Brooklyn, N. Y. — Lexington Ave., s s, 125' w Tomp-
kins Ave., two-st'y brick storage warehouse, felt and
gravel roof; cost, \$5,000; owner, G. F. Brush, 97
Wilson St.; architect, John L. Young, 287 Halsey
St.Manhattan Ave., n w cor. Java St., four-st'y brick
furniture warehouse, tin roof; cost, \$20,000; owner,
John Stevenson, 441 Manhattan Ave.; architect, H.
Vollweiler, 483 Hart St.Chicago, Ill. — Christian Kurs, six-st'y warehouse,
185-187 West Randolph St.; cost, \$25,000.Norton Mills, warehouse, 57-63 North Water St.;
cost, \$3,000.J. S. F. Batchin, seven-st'y warehouse, 220-230
Johnson St.; cost, \$90,000.Star Brewing Co., two-st'y storage building, 1127-
1129 Fulton St.; cost, \$60,000.New York, N. Y. — Mott St., Nos. 128-132, seven-st'y
buff brick stone and terra-cotta warehouse; owners,
August Miets; architects, De Lemos & Cordes.

BUILDING INTELLIGENCE.

MISCELLANEOUS.

Somerville, Mass. — West St., rear Somerville Elec-
tric Light Co.'s building, one-st'y frame turning and
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owner and builder, W. F. Rice.

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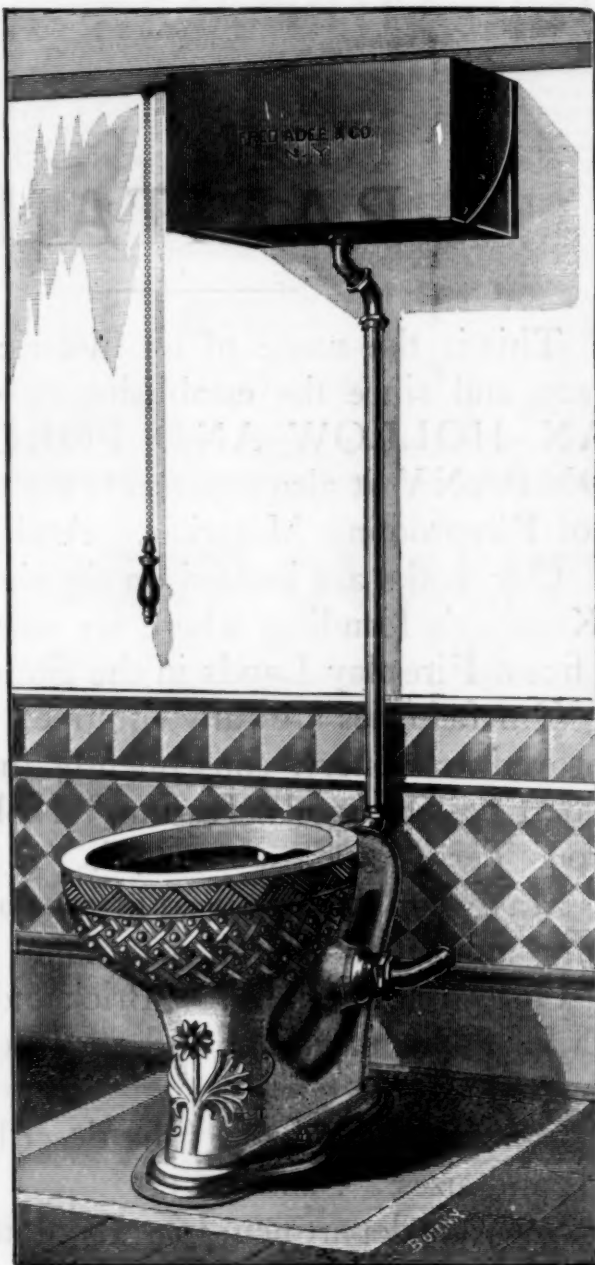
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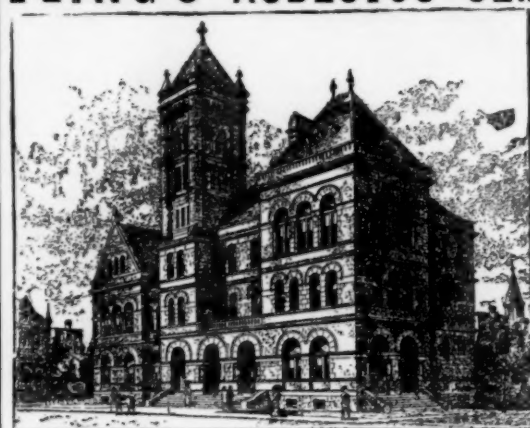
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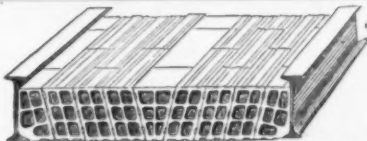
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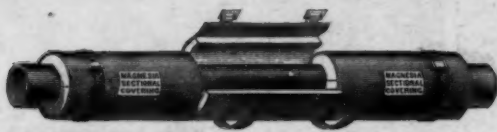
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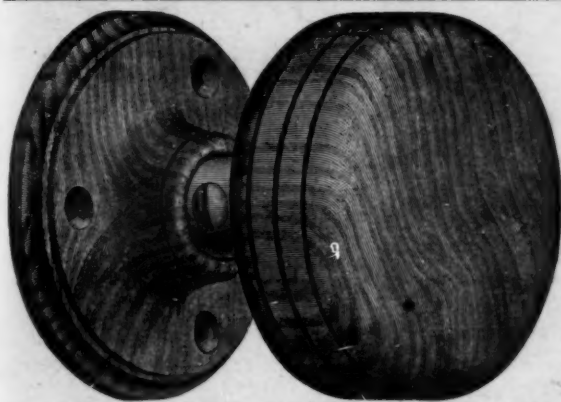
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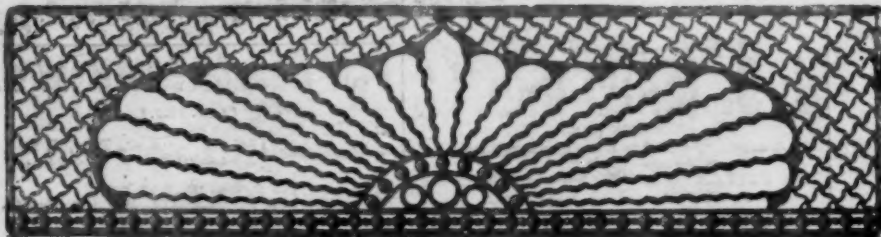
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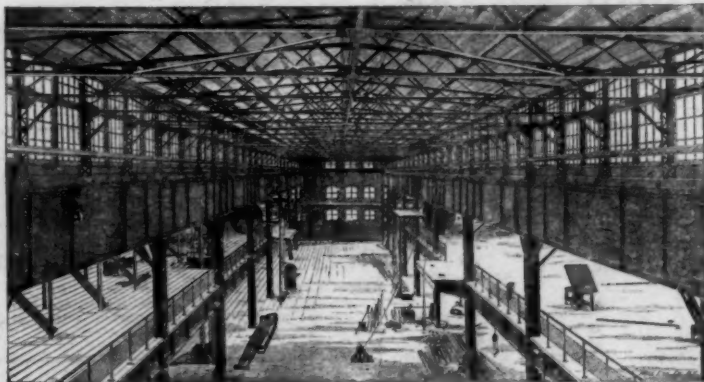
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1 1/2 to 2	2 to 2 1/2	2 to 2 1/2
2 to 2 1/2	2 1/2 to 3	3 to 3 1/2
2 1/2 to 3	3 to 3 1/2	3 1/2 to 4
3 to 3 1/2	3 1/2 to 4	4 to 4 1/2
3 1/2 to 4	4 to 4 1/2	4 1/2 to 5
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4 1/2 to 5	5 to 5 1/2	5 1/2 to 6
5 to 5 1/2	5 1/2 to 6	6 to 6 1/2
5 1/2 to 6	6 to 6 1/2	6 1/2 to 7
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6 1/2 to 7	7 to 7 1/2	7 1/2 to 8
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9 1/2 to 10	10 to 10 1/2	10 1/2 to 11
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THE AMERICAN ARCHITECT AND BUILDING NEWS

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VOL. XXXV.—No. 837.]

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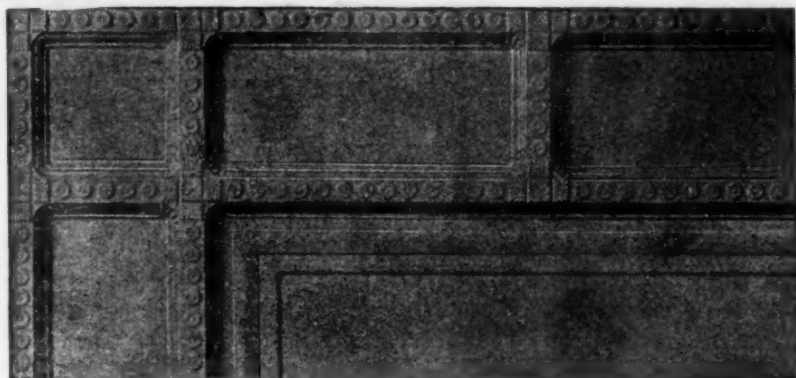
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Pine.....	@
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@ 25 00	13 50 @ 25 00	Not sold.	16 00 @ 20 00
ea 13 1/2 @ 14	13 00 @ 15 00	@ 12 00	11 25 @ 13 50
20 @ 40	25 00 @ 35 00	29 00 @ 37 00	14 00 @ 29 00
@	31 00 @ 40 00	@	@ 35 00
@	38 00 @ 60 00	10 00 @ 22 00	14 00 @ 25 00
@	23 00 @ 35 00	Not sold.	Not sold.
14 00 @ 18 00	15 00 @ 18 00	12 00 @ 15 00	25 00 @ 37 30
12 00 @ 16 00	14 00 @ 15 00	Not sold.	16 00 @ 18 00
18 00 @ 21 00	24 00 @ 35 00	10 00 @ 13 00	13 00 @ 17 00
@	@	@	22 00 @ 28 00
@	2 25 @ 2 35	2 10 @ 2 25	2 75 @ 3 00
2 40 @ 2 50	2 25 @ 2 50	Not sold.	2 30 @ 3 00
5 00 @ 6 00	@	Not sold.	@
4 00 @ 5 00	@ 4 50	2 20 @ 3 00	@
1 50 @ 2 00	1 50 @ 2 00	Not sold.	@
1 40 @ 1 60	3 75 @ 4 00	6 00 @ 7 50	(30" \$35 @ 40
@	@	Not sold.	(24" 8 @ 21
@	2 00 @ 4 00	2 00 @ 2 35	(20" 35 @ 14
18 00 @ 20 00	5 00 @ 6 00	3 50 @ 4 00	11 00 @ 14 00
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@	25 @ 50	9 @ 21	40 @ 1 25
@	25 @ 50	Not sold.	20 @ 30
45 00 @ 60 00	45 00 @ 60 00	30 00 @ 35 00	30 00 @ 40 00
80 00 @ 120 00	30 00 @ 120 00	80 00 @ 110 00	100 00 @ 120 00
40 00 @ 60 00	60 00 @ 70 00	50 00 @ 60 00	70 00 @ 80 00
@ 180 00	150 00 @ 160 00	150 00 @ 200 00	150 00 @ 250 00
@ 350 00	120 00 @ 250 00	200 00 @ 250 00	200 00 @ 400 00
45 00 @ 50 00	45 00 @ 50 00	18 00 @ 35 00	25 00 @ 55 00
@ 70 00	@ 50 00	32 00 @ 40 00	45 00 @ 55 00
@ 70 00	50 00 @ 55 00	22 00 @ 40 00	45 00 @ 55 00
@ 90 00	65 00 @ 75 00	45 00 @ 50 00	60 00 @ 75 00
Sycamore quartered.....	50 00 @ 65 00	35 00 @ 50 00	87 50 @ 65 00
Pine, clear.....	50 00 @ 75 00	35 00 @ 50 00	@ 65 00
Redwood.....	60 00 @ 70 00	55 00 @ 60 00	60 00 @ 75 00
Rosewood.....P. M.....	@	@ 7	@
Spruce floors (clear, kiln-dried).....	32 00 @ 35 00		
Walnut, black.....	85 00 @ 120 00	55 00 @ 100 00	50 00 @ 170 00
Whitewood.....	40 00 @ 45 00	18 00 @ 40 00	25 00 @ 40 00
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Rockland and Rockport, finish.....	@ 1 00	@ 1 10	Not sold.	1 00 @ 1 00
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State, com. cargo rates (nom.).....	@ 85	Not sold.	Not sold.	
State, finishing.....	@ 1 05	Not sold.	Not sold.	
Plaster of Paris (calcined).....	1 20 @ 1 25	1 85 @ 2 00	1 85 @ 1 90	
" (casting).....	1 30 @ 1 35	@ 2 25	1 85 @ 1 90	
Hair (Cattle) P bush.....	16 @ 18	25 @ 30	20 @ 25	
" (Goat).....	25 @ 28	@ 30	30 @ 35	
Sand, P load.....	1 00 @ 1 25	1 75 @ 1 90	@ 60	
STONE. (P. cubic foot, rough.)				
Granite: (Maine)		@ 60		
Limestone:				
Bedford.....	45 @ 1 25	95 @ 1 00	50 @	75 @ 90
Joliet.....	@ 1 00		35 @ 55	Richmond 75 @ 1 50
Lemont.....	@		35 @ 60	P Perch @ 4 50
Serpentine.....	@	10 50 per ton	@ 1 00	

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Red $\text{\$ lb.}$	@ 3	@	@	@
White $\text{\$ bbl.}$	@ 1 75	@	@	@
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Dimension.....	@	5 00 $\text{\$ ton.}$	20 @	@ 5 00
Block.....	@	4 60 $\text{\$ perch.}$	@	Conshocken
Rubble.....	@	1 25 @ 1 50	8 50 @	1 45 @ 2 50
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Sidewalk.....	30 @ 5 00	40 @ 1 75	75 @ 1 00	1 in. th. 10 @ 25
Placed.....	50 @ 6 00	@ 75	50 @ 1 00	37 @ 50
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Longmeadow.....	@ 80	80 @ 90	@	@ 95 @ 1 16
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"red.....	@ 10 00	10 00 @ 11 00	12 00 @ 14 00	7 50 @ 10 25
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Red lead, Am.....	6 1/2 @ 7	7 @ 7 1/2	6 1/2 @ 7	@ 7 1/2
"Venetian.....	6 @ 10 1/2	7 @ 12	1 1/2 @ 2 1/2	dry Eng. @ 7
"Vermillion.....	65 @ 70	70 @ 75 dry	65 @ 68	Eng. @ 76
"Indian, Eng.....	12 @ 20	12 @ 20	12 @ 20	dry Am. @ 1 1/2
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Green, Paris.....	15 @ 25	15 @ 25	8 @ 30	@ 8 @ 12
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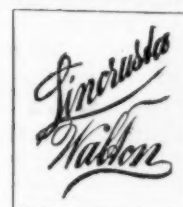
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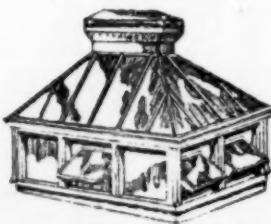
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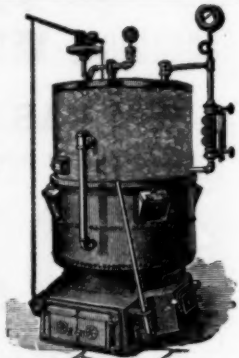
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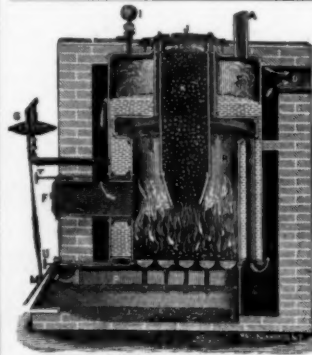
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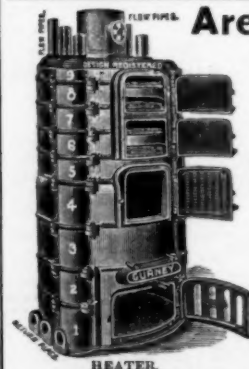
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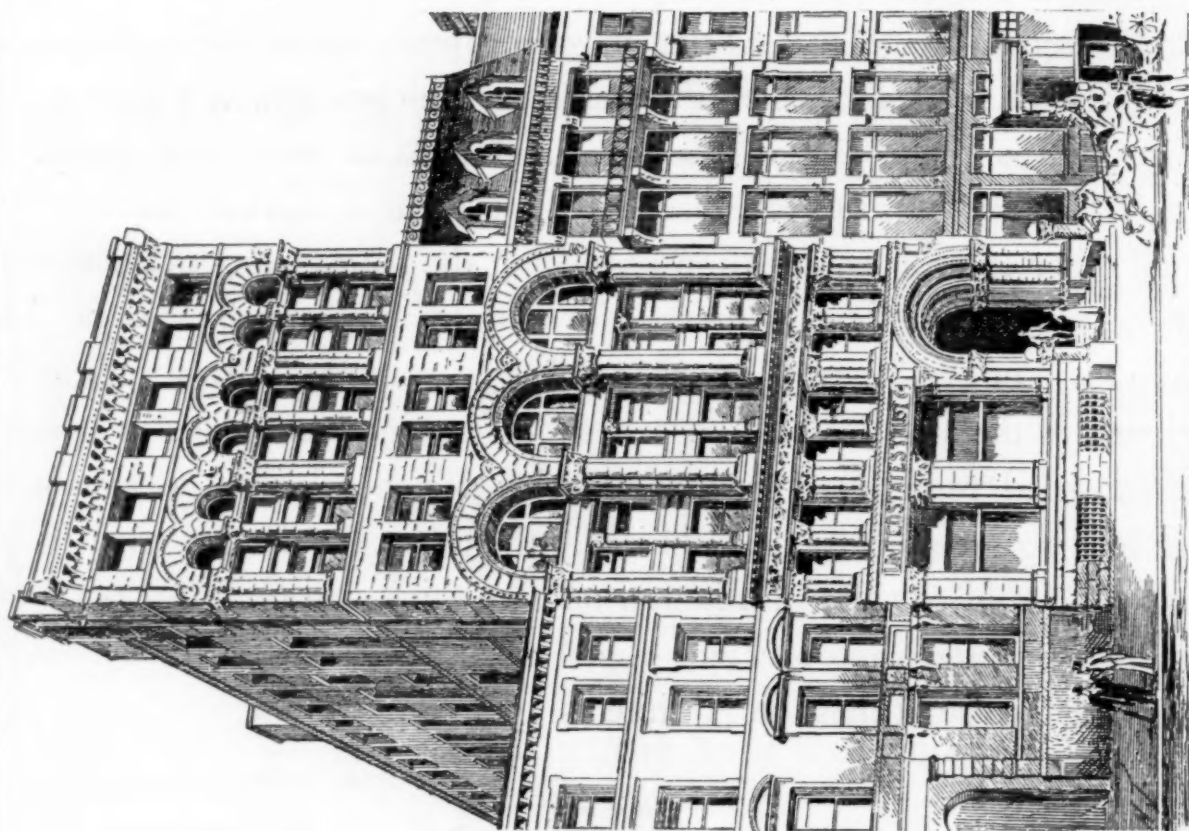
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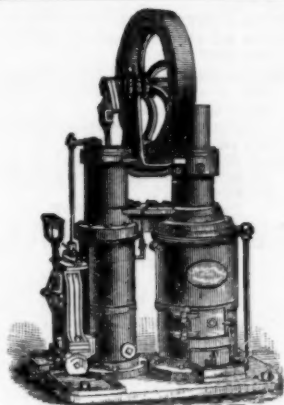
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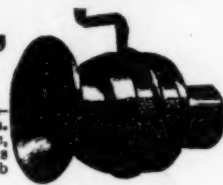


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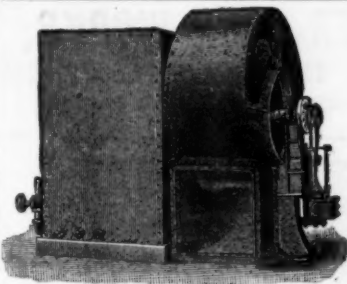
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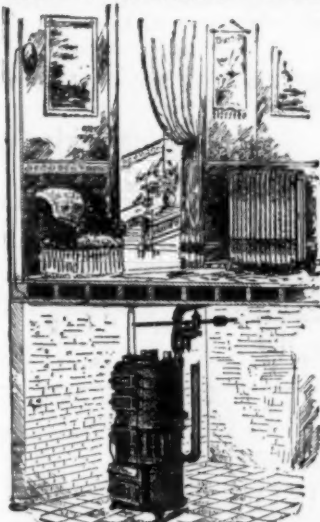
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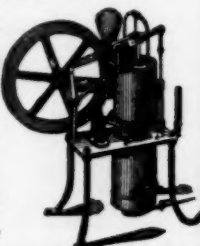
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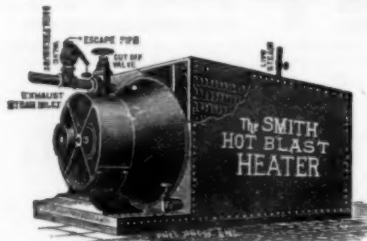
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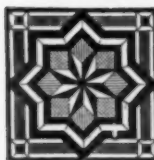
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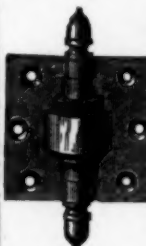
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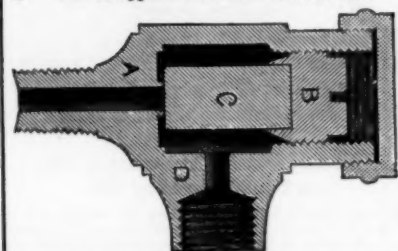
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465,929. STEAM-BOILER.—Adam Heberer, Alameda, Cal.
465,936. SEWER-PIPE.—Hosea W. Libbey, Boston, Mass.
465,974. LOCK.—Henry Elliott, Los Angeles, Cal.
465,983. HOT-AIR REGISTER AND VENTILATOR.—Joseph Geddes, Rochester, N. Y.
466,006. WATER-HEATER.—William O. Ewinger, Burlington, Iowa.
466,031. SPRING-HINGE.—Charles Eidfänder, Newark, N. J.
466,055. METHOD OF APPLYING NON-CONDUCTING COVERINGS.—William S. Grubb, Chicago, Ill.
466,037. ELECTRICALLY-OPERATED ELEVATOR.—Frank E. Herdman, Indianapolis, Ind.
466,081. TRANSOM-LIFTER.—William Ormsby, Melrose, Mass.
466,099. FOLDING SQUARE.—Henry F. Hegeman, Milwaukee, Wis.
466,113. SLIDING-DOOR LOCK.—James B. Brand and Philip L. Sheridan, Milwaukee, Wis.
466,142. FLOOR-CLAMP.—Edmund A. Schade, New Britain, Conn.
466,147. WALL FOR BUILDINGS OR OTHER STRUCTURES.—John W. Beaumont, St. Louis, Mo.
466,148. ROOFING OR SHEATHING.—John W. Beaumont, St. Louis, Mo.
466,159. ANNUNCIATOR.—William C. Dillman, Brooklyn, N. Y.
466,184. FASTENER FOR THE MEETING-RAILS OF SASHES.—Edwin A. Pumyea, Jersey City, N. J.
466,188. ELEVATOR.—Philip Schmidt, La Crosse, Wis.
466,198. METALLIC SHINGLE.—John O. Thorn, Toronto, Canada.
466,231. VALVE FOR HYDRAULIC ELEVATORS.—Cofran I. Hall, San Francisco, Cal.
466,246. FIREPROOF AND WATER-PROOF TUBE, ROOFING, WALL AND LINING.—Peter Kraus, Vienna, Austria-Hungary.
466,255. SASH-FASTENER.—Rufus W. McMaster, Buffalo, Mo.
466,267. HINGE.—John K. Clark, Buffalo, N. Y.

Imports of Building Materials, Etc.,

AT THE PORT OF NEW YORK FOR THE WEEK ENDING JANUARY 1, 1892.

From Antwerp.—Steamer "Apollo," 1 package building stone, order.
From Aspinwall.—Steamer "Newport," 54 logs mahogany, Brandon & Bros.

(Continued on page xv.)

FACTS ABOUT HARD OIL FINISH.

One of the first concerns of those about to adopt an interior finish of natural woods should be for durability of the finish.

Providing the right finishing material is adopted and properly applied, natural wood finishing is the most economical finish known, by reason of its extreme longevity.

There is but one finishing material in the market today that successfully combines all the requirements necessary for producing the desired results on natural woods.

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It has no tendency to mar or scratch.

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In specifying or in buying it should be remembered that genuine Hard Oil Finish is made only by

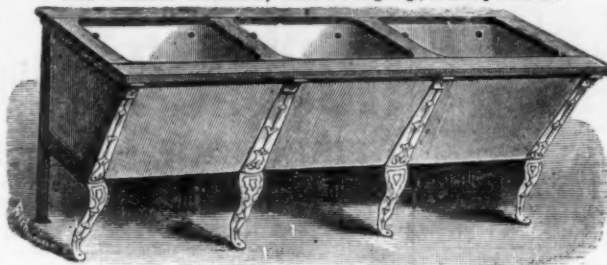
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IMPORTS OF BUILDING MATERIALS, Etc.

From Cardenas. — Steamer "Saratoga," 22 logs cedar and mahogany, Tellado, Gilberga & Co.

From Chiltepec. — Schooner "Myra W. Spear," 174 logs mahogany, 38 log ends do., J. Keynes.

From Genoa. — Steamer "Fulda," 1 case slab marble, Otto Wenkelmann & Co.; 1 case marble statues, Vlyta Hernos; 1 case marble, A. Duping & Co.; 6 do. sculptures, Pitt & Scott; 3 cases marble works, Charles Flock & Co.; 16 do. marble, Manuel Riviero; 26 do., Victor A. Sucoigna; 5 cases planks; 3 do. marble, order.

From Glasgow. — Steamer "Furnessia," 37 cases granite, Henderson Bros.; 9 do., Erie Despatch Co. Steamer "State of California," 22 cases granite, Carhart & Blanchard; 72 do., Austin, Baldwin & Co.; 40 barrels enamelled bricks, Chas. R. Weeks & Bro.

From Havre. — Steamer "La Champagne," 16 packages plaster models, Le Brun; 20 do. marble, Thomas & Co.

From Hamburg. — Steamer "Oil Rivers," 250 casks cement, order.

From Hull. — Steamer "Martello," 209 casks bricks, Meeker & Carter.

From Inagua. — Steamer "Geo. W. Clyde," 58 bales sponge, order.

From Leghorn. — Steamer "Wm. Burkett," 3 cases marble, T. T. Clark & Co.; 20 slabs do., A. Roussel; 7 pieces do., order.

From Liverpool. — Steamer "Aurania," 20 barrels cement, Prin, Forwood & Co. Steamer "Runic," 339 casks bricks, 10 packages do., Howard Fleming. Steamer "Nevada," 43 casks bricks, Brown Bros. & Co.

From London. — Steamer "Europe," 34 logs mahogany, 3 cases do., 1 log wood, W. L. Marshall; 70 casks asphaltum, 17 logs wood, order. Steamer "Egyptian Monarch," 26 packages lumber, H. Hermann; 500 casks cement, E. Thiele. Steamer "Hervetia," 500 casks cement, C. J. Stevens; 2,000 do., order. Steamer "Alex. Elder," 500 casks cement, C. J. Stevens; 500 do., order.

From Manzanilla. — Schooner "Chas. A. Gilbert," 937 logs cedar, Thos. J. Owen & Co.

From Marseilles. — Steamer "Alesia," 12 blocks stone, Albert Roussel.

From Panama. — Steamer "Newport," 7 logs wood, D. M. Piza.

IMPORTS OF BUILDING MATERIALS, Etc.

From St. John, N. B. — Schooner "Energy," 1,568 barrels lime, Scammell Bros.

From Tecolutta. — Brig "Atlanta," 390 logs mahogany, J. W. Wilson & Co.

From Trinidad. — Steamer "Alps," 500 barrels asphaltum, order.

From Windsor, N. S. — Bark "Kathleen Hilda," 652 tons plaster, J. F. Whitney & Co.

From Zaza. — Schooner "Moneta," 1,398 cedar logs, H. W. Ericks.

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. — A. J. Cox, two-sty addition, 42-44 Monroe St.; cost, \$25,000.

New York, N. Y. — Irving Pl., n e cor. East Eighth St., five-sty brick flat, internal alterations; cost, \$3,000; owner, Frederick W. Dieckman, 11 West Fourth St.; architect, Julius Kastner, 744 Broadway.

West Tenth St., Nos. 293-295, three-sty brick workshop, tower added and internal alterations; cost, \$7,500; owners, Beadleston & Woers, 291 West Tenth St.; architect, Otto C. Wolf, 543 Fifth Ave.

West Thirty-fifth St., No. 41, four-sty brick dwell., internal alterations; cost, 4,000; owner, H. M. Lazinski, 345 Fifth Ave.; architects, Graul & Frohne, 215 Bowery.

Pike St., Nos. 13-15, two-sty brick synagogue, extension and internal alterations; cost, \$25,000; owner, Congregation Sons of Israel, 13-15 Pike St.; architect, Frederick Ebeling, 3 First Ave.

Greenwich St., Nos. 245-247, four-sty brick office-building, internal alterations; cost, \$10,500; owner, Hannah A. Craine, 54 East Fifty-third St.; architect, Geo. B. Post, 33 East Seventeenth St.

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APARTMENT-HOUSES.

Boston, Mass.—*Washington St.*, near Dale St.,
Ward 21, frame apartment-house, 27' x 52'; owner,
John Felt Osgood; builder, Frank X. Julian; archi-
tect, Alden Frink.

Chicago, Ill.—*Morris Rosenberg*, four-st'y flats, 175
Newberry Ave.; cost, \$10,000.
A. E. Kent, six-st'y flats, 119-121 West Harrison
St.; cost, \$20,000.

Gus. Klutz, 2 two-st'y flats, 2115-2127 James St.;
cost, \$5,000.

Michael Jarasz, four-st'y flats, 505 West Twen-
tieth St.; cost, \$6,200.

Hans M. Gronwald, two-st'y flats, 785 Dania Ave.;
cost, \$6,000.

Sullivan W. Verrill, three-st'y flats, 713 Walnut
St.; cost, \$5,000.

V. M. Williams, 4 four-st'y flats, 398-402 West
Taylor St.

Louis C. Merkel, 2 two-st'y flats, 68-72 Thirty-
ninth St.; cost, \$8,000.

C. Rosenlund, three-st'y flats, 464 Cleveland Ave.;
cost, \$6,000.

Daniel O'Lary, two-st'y flats, 429 Marshfield Ave.;
cost, \$3,000.

E. H. French, two-st'y flats, 5713 Wabash Ave.;
cost, \$5,000.

B. Green, 2 three-st'y flats, 1921-1923 Deming Ct.;
cost, \$15,000.

E. Schick, three-st'y flats, 4230 Indiana Ave.;
cost, \$6,000.

William Frank, two-st'y flats, 523-525 Morris St.;
cost, \$5,000.

New York, N. Y.—*One Hundred and Sixteenth St.*,
s. s. 333' w Fifth Ave., 6 five-st'y brick flats, tin
roofs; cost, \$142,000; owner, Simon Bittner, 253
West One Hundred and Twenty-third St.; architect,
Charles Rentz, 153 Fourth Ave.

One Hundred and Sixteenth St., s. s. 270' w Fifth
Ave., 3 five-st'y brick flats, tin roofs; cost, \$54,000;
owner, Simon Bittner, 253 West One Hundred and
Twenty-third St.; architect, Charles Rentz, 153
Fourth Ave.

One Hundred and Forty-seventh St., n. s. 75' e
Bradhurst Ave., five-st'y brick flat, tin roof; cost,
\$16,000; owner, Valeske Meyer, 319 East One Hun-
dred and Twenty-fifth St.; architect, Andrew
Spence, 163 East One Hundred and Twenty-fifth St.

Melrose Ave., n. w. cor. One Hundred and Fifty-
second St., five-st'y brick flat, tin roof; cost, \$20,000;
owner, Xavier Schafer, 2882 Third Ave.; architect,
Herman Horenburger, 682 East One Hundred and
Fifty-ninth St.

East Twenty-fourth St., No. 306, five-st'y brick
flat, tin roof; cost, \$20,000; owners, Stalger & Hagen-
buehle, 143 and 152 Second Ave.; architect, Bruno
W. Berger, 80 Bible House.

Manhattan Ave., n. e. cor. One Hundred and Eight-
teenth St., 4 five-st'y brick flats, tin roofs; cost, \$82,-
000; owner, Thomas J. McGuire, 163½ West Tenth
St.; architect, James W. Cole, 493 West Fifty-first
St.

One Hundred and Eighteenth St., n. s. 95' e Man-
hattan Ave., five-st'y brick flat, tin roof; cost, \$18,-
000; owner, Thomas J. McGuire, 163½ West One
Hundred and Second St.; architect, James W. Cole,
493 West Fifty-first St.

One Hundred and Fifteenth St., s. s. 100' e Third
Ave., 2 five-st'y brownstone flats; cost, \$36,000 each;
architect, Frank Wennemer.

West Twenty-sixth St., Nos. 308-312, 2 five-st'y
brick flats, tin roofs; cost, \$50,000; owner, Wm.

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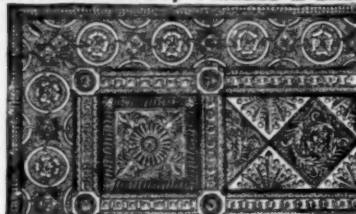
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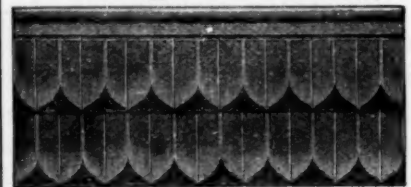


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Geo. Jordan, 199 Second Ave.; architect, Jno. W.
Keckine, 29 East Forty-sixth St.

Delaney St., six-st'y brick flat, tin roof; cost,
\$46,000; owners and architects, Schneider & Herter,
48 Bible House.

One Hundred and Thirty-third St., s. s. 110' e
Lenox Ave., 3 five-st'y brick flats, tin roofs; cost,
\$60,000; owner, Mary E. Gault, 1837 Madison Ave.;
architects, Bangart & Fox, 79 Dupont St., Brooklyn.

Hamilton St., Nos. 34-36, 2 five-st'y brick flats, tin
roofs; cost, \$36,000; owner, Rubin Statenshtein, 236
East Broadway; architect, Herman Horenberger,
99 East Third St.

Eighty-fourth St., n. s. 175' w Eighth Ave., 2 five-
st'y brick flats, tin roofs; cost, \$53,000; owner,
David Riehy, 74 West Eighty-fourth St.; architect,
G. A. Schellinger, 126 Broadway.

Delaney St., Nos. 233-235, six-st'y brick flat, tin
roof; cost, \$46,000; owners and architects, Schneider
& Herter, 851 East One Hundred and Nineteenth
St. and 48 Bible House.

Stanton St., No. 176, five-st'y brick flat, tin roof;
cost, \$22,000; owners, Loonie & Parker, 48 West
One Hundred and Nineteenth St.; architect, Chas.
Rentz, 153 Fourth Ave.

One Hundred and Nineteenth St., s. s. 100' w
Eight Ave., 7 five-st'y brick flats, tin roofs; cost,
\$112,000; owner, Thomas P. Dunne, 366 West One
Hundred and Sixteenth St.; architect, Walter H.

BUILDING INTELLIGENCE.

C. Hornum, 150 East One Hundred and Twenty-
fifth St.

CHURCHES.

Lynn, Mass.—*Broad St.*, church, 72' x 137, of Rock-
port granite; seating-capacity, 600; vestry to seat
400; owner, Central Congregational Society; mason,
Joseph M. Parsons, Salem; carpenter, F. G. Kelly;
roofing, Burns & Bee; architects, Little, Browne &
Moore, Boston.

New York, N. Y.—*Columbine Ave.*, n. w. cor. Monroe
Ave., Fordham, frame chapel; owner, Belmont
Memorial Congregation; architect, E. K. Bourne.

St. Louis, Mo.—One-st'y brick church; cost, \$4,000;
owner, Compton Hill; contractor, Geo. Neff.
One-st'y brick church; cost, \$6,637; owner, St.
Andrew's Church; contractor, T. H. Bussey.

FACTORIES.

Boston, Mass.—*Beach St.*, rear, near Union Rail-
way, Ward 4, one-st'y frame factory, pitch roof, 50'
x 100'; owners, R. W. Pratt & others; builder, W.
J. McLean.

Chicago, Ill.—*Sparr & Weiss*, six-st'y factory and
boiler room, Ohio and Union Sts.; cost, \$30,000.

Chicago Steel and Iron Roofing Co., one-st'y fac-
tory, 3500 3506 Stewart Ave.; cost, \$2,500.

Cincinnati, O.—*Louis and Edward Brand*, two-st'y

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BUILDING INTELLIGENCE.dwelling, 24' x 40'; owner, Christopher Blake; builder,
M. McLaughlin.Hove Court, near Hancock St., Ward 24, two frame
dwellings, each 12' x 41'; owner, Rebecca Currier;
builder, D. Currier.Havre St., Nos. 218-220, Ward 1, 2 three-story brick
dwellings, flat roofs, 20' x 33'; owner and builder,
Frank Finn.Chicago, Ill. - P. B. Clarke, three-story dwelling, 4139
Drexel Ave.; cost, \$15,000.Mrs. Mary J. Miller, two-story dwelling, 27 Surry Ct.;
cost, \$3,500.C. H. Tabor, 3 two-story dwellings, 7120-7128 Dickey
St.; cost, \$12,000.W. A. Colvin, Jr., 9 two-story dwellings, Forty-
seventh Ct., near Cottage Grove Ave.; cost, \$40,000.G. W. Jay Co., two-story dwelling, 1421 Lexington
Ave.; cost, \$3,000.James T. Ganson, 2 two-story dwellings, 1046-1048
Wilcox Ave.; cost, \$8,000.Cincinnati, O. - Clara and Emma Rothschild, two-
and-one-half-story brick dwelling, Fairfield Ave.; cost,
\$20,000; architects, Des Jarden & Hayward.New York, N. Y. - Stebbins Ave., e. s. 613' n One
Hundred and Sixty-fifth St., three-story stone and
frame dwelling, tin roof; cost, \$64,000; owners, Sarah
G. Mayes, 3305 Third Ave.; architect, M. G. Garvill,
3311 Third Ave.Ninety-first St., n. s. 275' e Columbus Ave., 4 three-
story brick dwellings, tin roofs; cost, \$64,000; owners,
Curry & Gill, 208 West One Hundred and Fourth
St., and 245 West One Hundred and Thirty-fifth St.,
architect, M. V. B. Ferdon, 272 West Thirty-fourth
St.Ash St., n. s. 200' w Anthony St., 2 two-story stone
and frame dwellings, tin roofs; cost, \$7,750; owner,
Chas. A. Brill, 273 Madison Ave.; architect, J. J.
Vreeland, 711 East One Hundred and Seventy-sev-
enth St.Eightieth and Eighty-first Sts., bet. West End
Ave., and Riverside Drive, 10 three-story brown-
stone dwellings; owner, Bernard S. Levy; architect,
Charles H. Israel.St. Louis, Mo. - Two two-story brick dwellings; cost,
\$8,000; owner, Chas. Sawyer; contractor, J. Ran-
dall.Two-story brick dwelling; cost, \$11,000; owner, R. J.
Medley; contractor, D. Evans.Two-story brick dwelling; cost, \$5,000; owners and
contractors, Gerhard Building Co.Two-story brick dwelling; cost, \$3,000; owner, Edw.
Hertz; contractor, L. Morffeldt.Two-story brick dwelling; cost, \$5,000; owner and
contractor, C. W. McFarland.Two-story brick dwelling; cost, \$5,000; owner, T. J.
Cheney; contractor, H. A. Christophel.Two-story brick dwelling; cost, \$6,000; owner, C.
Schnelle; contractor, H. A. Christophel.Two-story brick dwelling; cost, \$4,000; owner, Wm. E.
Morgan; contractors, F. Taylor & Son.Three two-story brick dwellings; cost, \$27,000; owners
and contractors, Castano & Martin.Two-story brick dwelling; cost, \$7,500; owner, L.
Stockstrom; contractors, Leinborg & Son.Two-story brick dwelling; cost, \$2,500; owner, H.
Lindhoff; contractor, J. Buechner.Two-story brick dwelling; cost, \$4,000; owner, W.
Somerville; contractor, E. L. Wagner.**Monographs of American Architecture.****MONOGRAPH II. - State Capitol, Hartford, Conn.****R. M. UPJOHN, ARCHITECT.****Price, \$6.00.****TICKNOR & CO., 211 Tremont Street, Boston, Mass.****BUILDING INTELLIGENCE.**brick factory, Bernard St.; cost, \$2,000; architect,
Martin Fisher.New York, N. Y. - East Nineteenth St., No. 206, five-
story brick and terra-cotta factory; owner, Ascher
Weinstein; architect, Charles H. Israel.Ninety-eighth St., s. s. 100' w First Ave., five-story
brick factory; cost, \$20,000; owner, Francis A.
Clark; architect, Edward Wenz.St. Louis, Mo. - Four-story brick factory; cost, \$8,000;
owner, A. Boeker; contractor, J. H. Kemmers.**HOTELS.**Chicago, Ill. - Fred W. Jones, three-story hotel,
Sixty-third and School Sts.; cost, \$13,000.**HOUSES.**Baltimore, Md. - James A. Butt, 4 two-story brick
buildings, n. s. Oliver St., bet. Wolfe and Chapel Sts.
Lewis Lewin, 2 three-story brick buildings, s. s.
Pratt St., w Albemarle St.Jas. F. Morgan, 3 two-story brick buildings, e. s.
Race St., bet. Randall St. and Fort Ave.; 24 two-story
brick buildings, w s Charles St.; 34 two-story brick
buildings, e and w Goodman's Alley, bet. McComas
and Donaldson Sts.; 8 two-story brick buildings, s s
McComas St., and 8 two-story brick buildings, n s
Donaldson St., w Charles St.Augustus Albert, 8 two-story brick buildings, s s
Fort Ave., e Corvington St.Wm. Gorman, three-story brick building, w s Brad-
ford St., n Baltimore St.Chas. A. Allard, 6 three-story brick buildings, n s
Reservoir St., w Park Ave.Boston, Mass. - Richview St., near Hillside St.,
Ward 24, three-story frame dwelling, pitch roof, 26 1/2' x
42'; owner, J. F. Howland; builder, J. Pope.Wrentham St., near Dorchester Ave., Ward 24,
three-story frame dwelling, flat roof, 32' x 37.6'; owner
and builder, J. L. Stewart.Dorchester Ave., cor. Wrentham St., Ward 24,
three-story frame dwelling, flat roof, 32.6' x 40'; owner
and builder, J. L. Stewart.Lauriat Ave., near Birch St., Ward 24, frame
dwelling, 29' x 33'; owners, G. Hooley and Thomas Bar-
nard; builders, Hooley & Barnard.**BUILDING INTELLIGENCE.**Creighton St., near Day St., Ward 22, three-story
frame dwelling, flat roof, 24' x 42'; owner, Albert
Fedel; builder, M. J. O'Brien.Tuttle Ave., near Savin Hill Ave., Ward 24, frame
dwelling, 25.8' x 36.8'; owner, A. C. Smith; builder, W.
W. Tobey.Everett St. Court, near Everett St., Ward 3, three-
story frame dwelling, flat roof, 20' x 40'; owner, Peter
Hayes; builder, J. Buchanan.Ashmont St., near Washington St., Ward 24, frame
dwelling, 24' x 40'; owner and builder, A. P. Rich.Bears Ave., near Medway St., Ward 24, three-story
frame dwelling, flat roof, 24' x 37'; owner and builder,
Patrick O'Hearn.Cohasset St., near Albano St., Ward 23, frame
dwelling, 23' x 35'; owner, Maggie McLeod; builders,
McLeod & Chappelle.Dakota St., near Geneva Ave., Ward 24, frame
dwelling, 22' x 50'; owner and builder, S. D. Anderson.Adams St., near East St., Ward 24, frame dwelling.
32' x 46.4'; owner, W. Cavanagh; builders, O. H.
Drisko & Son.Symmes St., near Walter St., Ward 23, three-story
frame dwelling, hip roof, 30' x 48'; owner and builder,
C. P. Davenport.Robinson St., near Grace Ave., Ward 24, three-story
frame dwelling, flat roof, 27.6' x 50'; owner, H. M.
Bartlett; builder, Peter Riley.Mansfield St., near Bradbury St., Ward 25, three-
story frame dwelling, pitch roof, 26' x 36'; owner and
builder, D. Baldwin.Dorchester Ave., No. 1102, Ward 24, three-story
frame dwelling and store, flat roof, 30' x 52'; owner,
John Lyons; builder, John Bass.Bradbury St., near Mansfield St., Ward 25, three-
story frame dwelling, gambrel roof, 30' x 43'; owner and
builder, Hugh Ringer.Savin Hill Ave., No. 39, three-story frame dwelling,
flat roof, 28' x 67'; owner, John Lyons; builder,
John Bass.Dorchester Ave., No. 1098, cor. Savin Hill Ave.,
three-story frame dwelling and store, flat roof, 22' x 52';
owner, John Lyons; builder, John Bass.Fessenden St., near Blue Hill Ave., Ward 24, frame
dwelling, 26' x 36'; owner, Mrs. W. Meadows; builder,
W. A. Macaulay.

Blakeville St., near Olney St., Ward 24, frame

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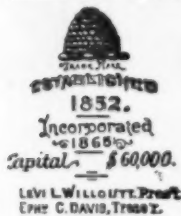
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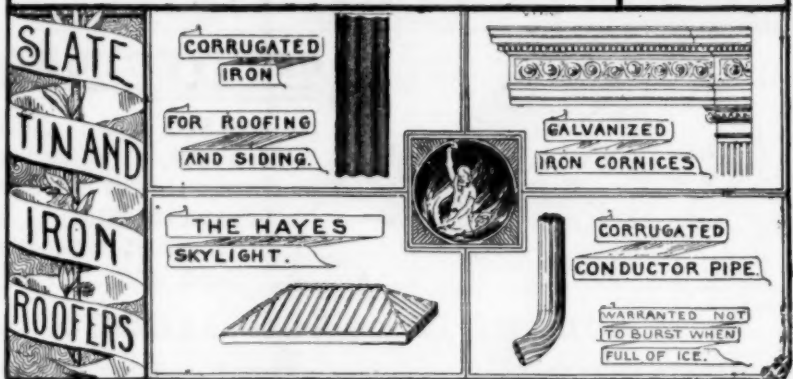
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 Two-st'y brick dwell.; cost, \$6,500; owner, Dr. W.
C. Green; contractor, H. A. Dufner.
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A. Scudder; contractors, Clark & Witney.
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Peters; contractor, T. J. Quinn.
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H. Rice and Mrs. Anna Rice; contractor, Geo. H.
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H. Mellen; no contracts let.
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L. Dumouchel; contractor, G. Fournier.
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brick office-building, brick roof; cost, \$350,000;
owner, Delaware, Lackawanna & Western Railroad,
7 East Thirty-eighth St.; architect, L. C. Holden, 1
Union Square.
Fulton St., s w cor. Nassau St., nine-st'y brick
office-building, concrete and star roofing; cost, \$300,-
000; owner, Lewis S. Wolff, 12 East Seventieth St.;
architects, De Lemos & Cordes, 146 Broadway.

RAILROAD BUILDINGS.

- Waverly, Mass.**—*Church St.*, frame railroad station,
26' x 72', for the Fitchburg R. R.; foundation
in; other contracts not decided; architect, Alden
Frink, Boston.

SCHOOL-HOUSES.

- New York, N. Y.**—*Madison Ave.*, bet. Fifty-first and
Fifty-second Sts., industrial school; cost, \$150,000;
for The Roman Catholic Orphan Asylum.

STABLES.

- Boston, Mass.**—*Albany St.*, No. 271, cor. Troy St.,
Ward 16, four-st'y brick stable, flat roof, 100' x 130';
owners, Armstrong Transfer Co.; builder, K. Driscoll.
Washington St., rear, near Northern Ave., Ward
24, one-st'y frame stable, hip roof, 21' x 32'; owner,
E. B. Wood; builders, Cassidy & Davis.
Chicago, Ill.—*James McMullen*, two-st'y livery
stable, 792-794 Indiana St.; cost, \$8,000.
New York, N. Y.—*Sixty-eighth St.*, s s, 300' e West
End Ave., three-st'y brick stable, metal roof; cost,
\$5,000; owner, Charles Andrus, 72 West Ninety-first
St.; architects, John B. Snook & Son, 12 Chambers
St.

STORES.

- Boston, Mass.**—*Dalmatia St.*, near Cherry St., Ward
20, three-st'y frame store, flat roof, 22'4' x 51'6";
owner, Miss C. Keating; builder, A. McEachron.
Unnamed Pl., from Howard Ave. near Dudley St.,
Ward 20, frame store, pitch roof, 24' x 46'; owner
and builder, C. Rittenhouse.
Dudley St., Nos. 558-570, Ward 20, 7 one-st'y frame
stores, flat roofs, each about 22' x 40'; owner,
Cheever Newhall; builder, Owen Nawn.

BUILDING INTELLIGENCE.

- Howard Ave.*, near Dalmatia St., Ward 20, three-
st'y frame store, flat roof, 23' x 57'; owner, Henry
Howard; builders, Howard Bros.
Chicago, Ill.—*August Pfaff*, 2 three-st'y stores and
flats, 1907-1909 West Madison St.; cost, \$20,000.
John Statemore, three-st'y store and flats, 6636
State St.; cost, \$14,000.
Richard Meiswinkel, 2 four-st'y stores and flats,
1659-1661 North Clark St.; cost, \$13,600.
Wich Biehoff, 2 four-st'y stores and flats, 32-34
Center Ave.; cost, \$16,000.
Guerra & Scarri, two-st'y stores and flats, 292
West Harrison St.; cost, \$10,000.
Mrs. Anna Carlson, three-st'y store and flats,
5812 Wentworth Ave.; cost, \$5,400.
John Freeze, 2 three-st'y stores and flats, 4733-
4735 Halsted St.; cost, \$12,000.
George Lehman, 2 four-st'y stores and flats, 2444-
2446 Wentworth Ave.; cost, \$14,000.
New York, N. Y.—*Park Ave.*, n w cor. Seventy-
eighth St., one-st'y brick store, tin roof; cost, \$12,-
000; owner, Gustave Gomprecht, 210 East Sixty-first
St.; architects, Buchman & Deisler, 8 West Twenty-
ninth St.
West Houston St., Nos. 25-27, six-st'y brick store,
tile or asphalt roof; cost, \$110,000; owner, Ferdi-
nand H. Mela, 529 Broadway; architects, Cleverdon
& Putzel, 529 Broadway.
Ninth Ave., Nos. 10-18, *Hudson St.*, Nos. 659-667,
four-st'y brick store, tar and gravel roof; cost, \$50,-
000; owner, Estate Wm. Astor, 21 West Twenty-sixth
St.; lessee, Edward Prial, 245 West Sixteenth St.;
architect, Chas. H. Israels, 90 Nassau St.
St. Louis, Mo.—Two-st'y brick store and dwell.;
cost, \$6,000; owner, S. U. Holliday; contractor, T.
Lowery.
 Two-st'y brick store and dwell.; cost, \$4,000;
owner, J. M. Wall; contractor, L. Mortfeldt.
 One-st'y brick store; cost, \$4,000; owner, G. Breck-
inridge; contractor, G. Koch.
 One-st'y brick store; cost, \$3,000; owners, Lester
Real Estate Co.; contractor, A. Wind.

WAREHOUSES.

- Chicago, Ill.**—*E. J. Parks*, one-st'y warehouse, barn

(Continued on page xx.)

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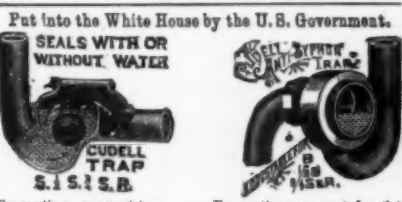
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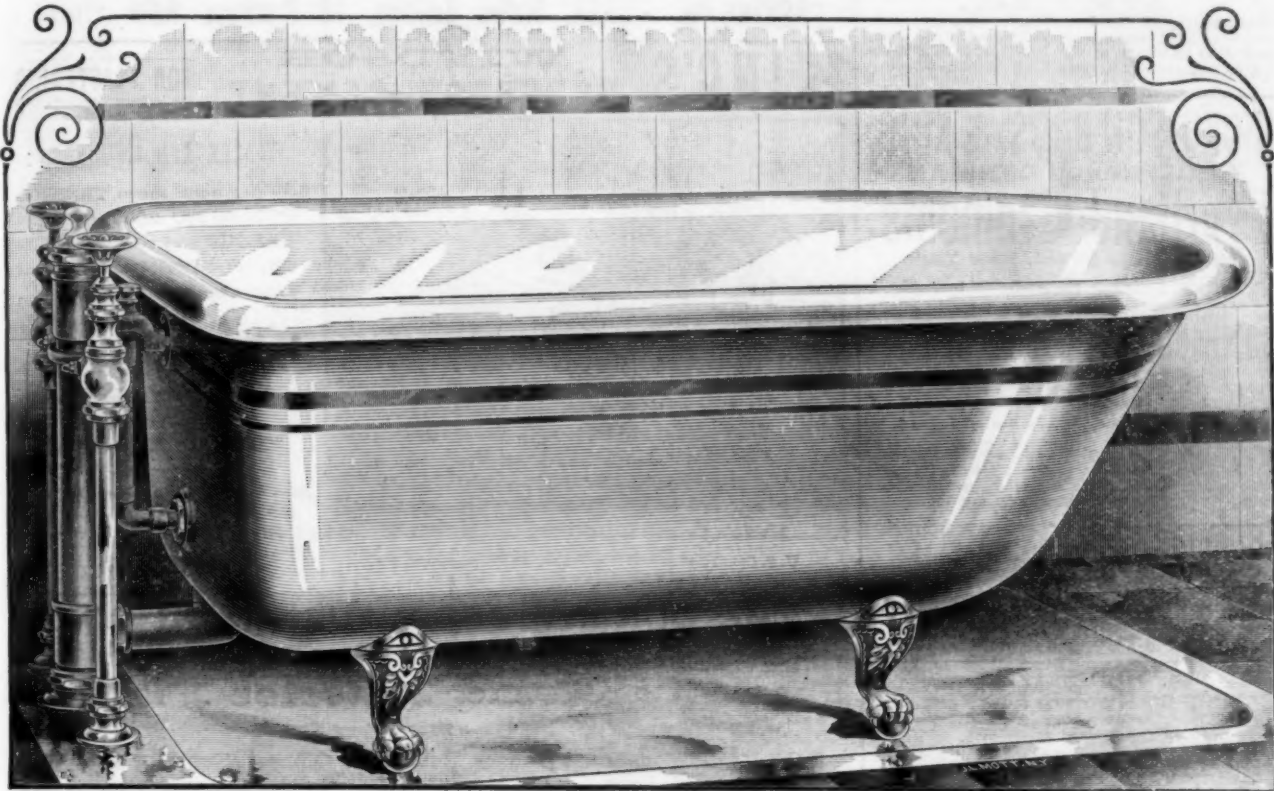


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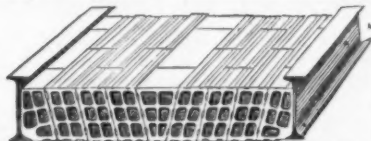
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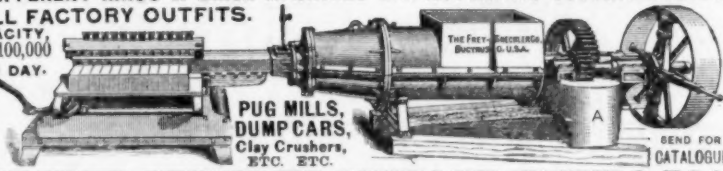
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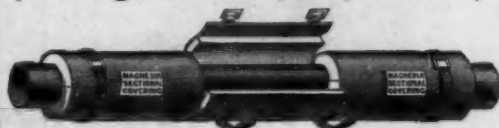
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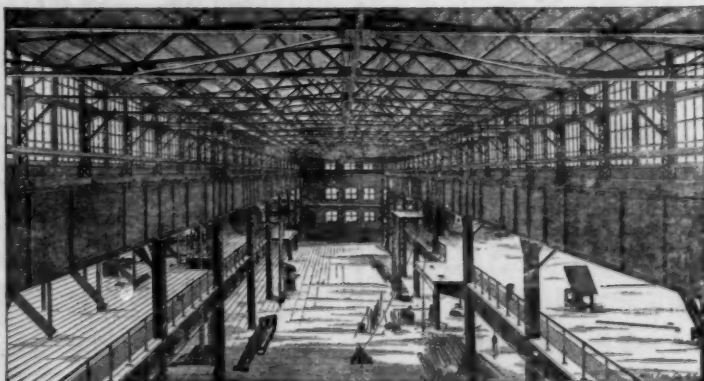
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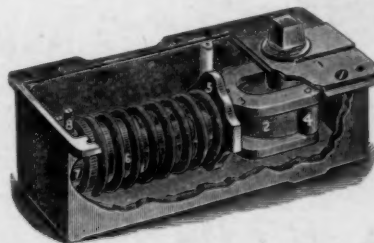


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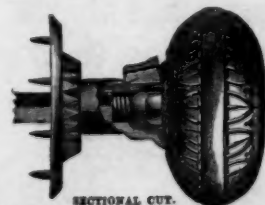
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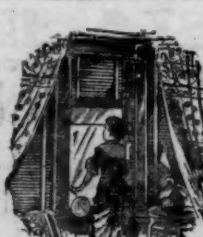
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Do.	For Doors.	1/2 to 1 1/2.	1 1/2 to 2.	2 to 2 1/2.	2 1/2 to 3.	3 to 3 1/2.	3 1/2 to 4.	4 to 4 1/2.	4 1/2 to 5.	5 to 5 1/2.	5 1/2 to 6.	6 to 6 1/2.	6 1/2 to 7.	7 to 7 1/2.	7 1/2 to 8.	8 to 8 1/2.	8 1/2 to 9.
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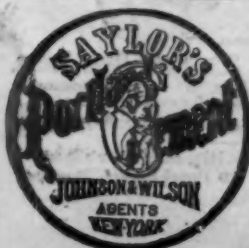
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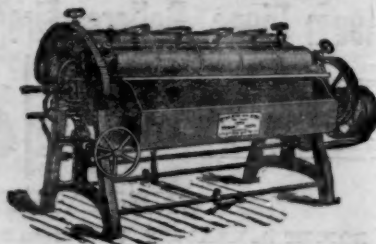
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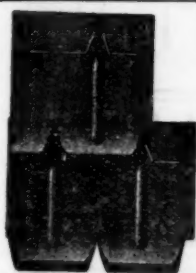
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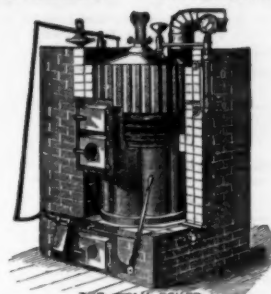
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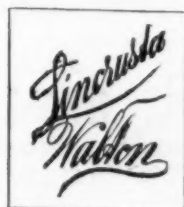
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Hemacite.	Not Sold.	17 @ 33	31 @ 40	25 @ 50
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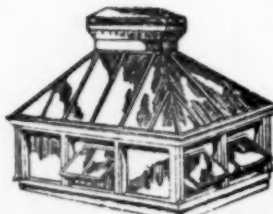
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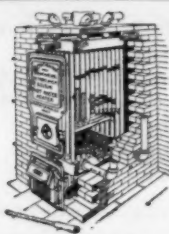
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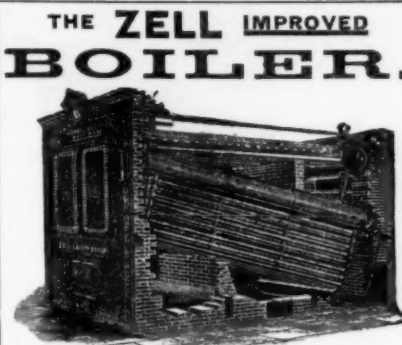
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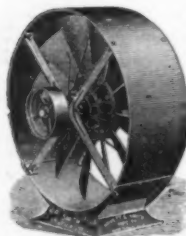
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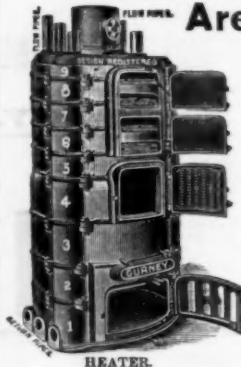
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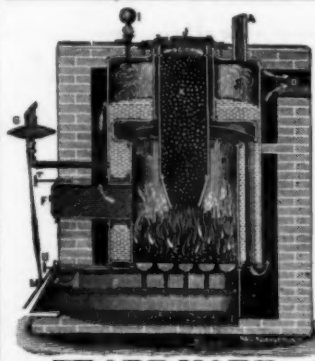
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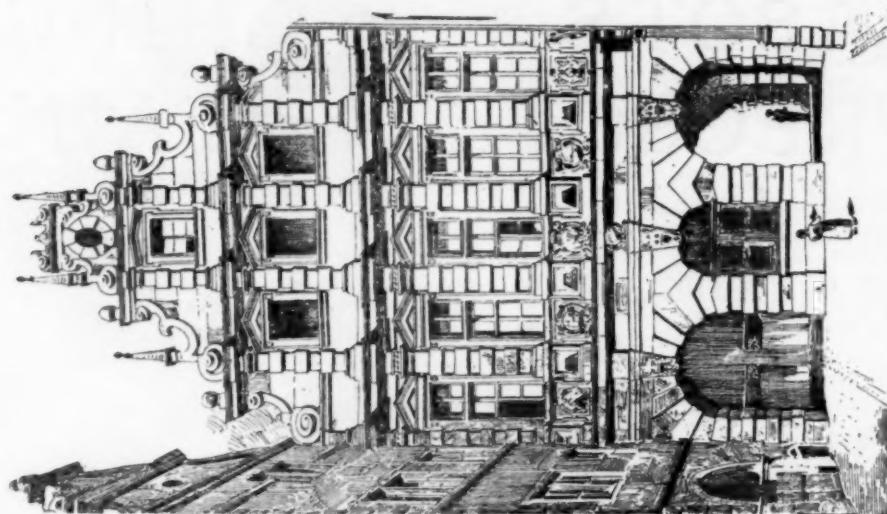
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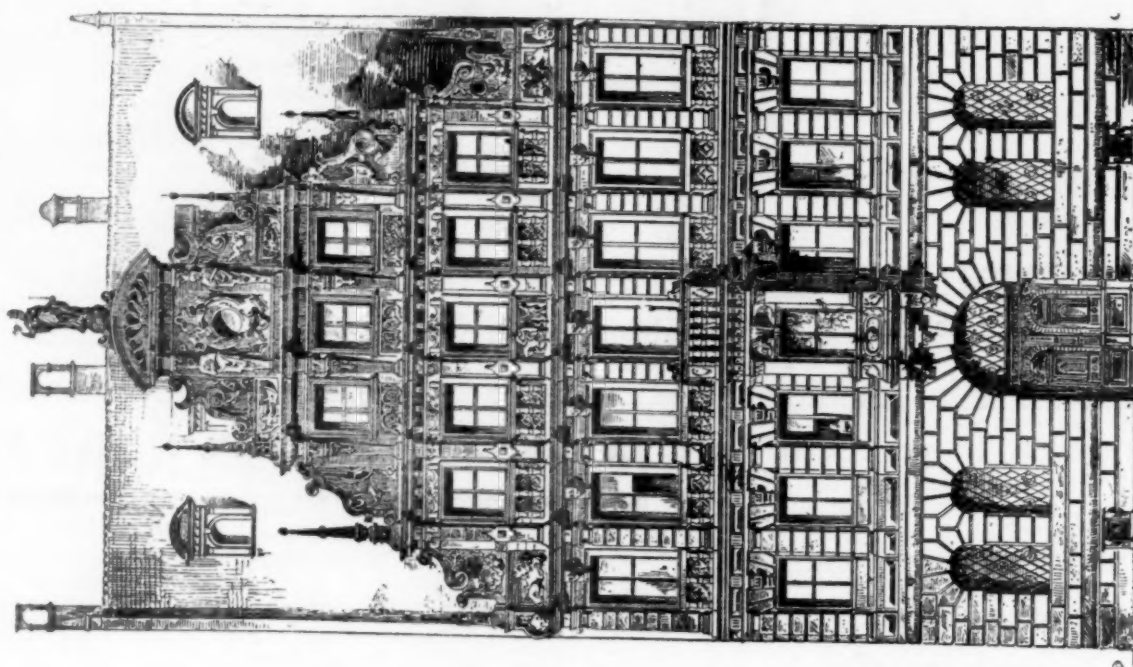
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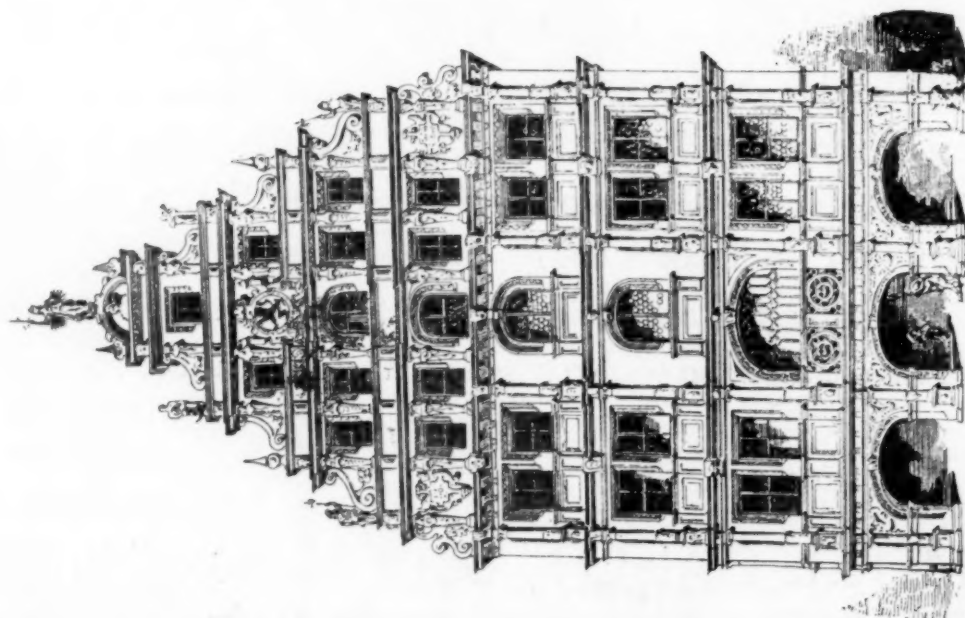
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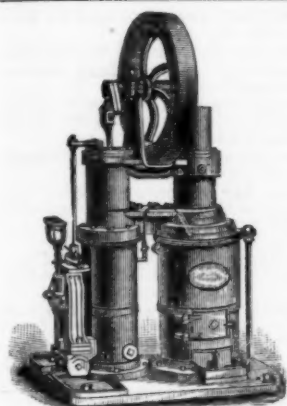
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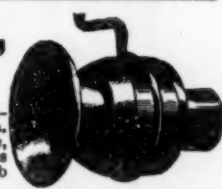


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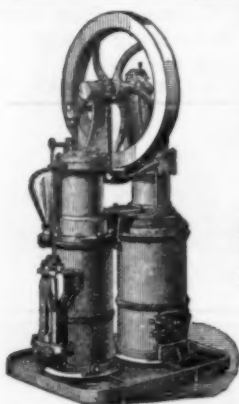
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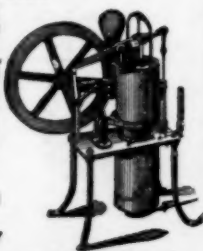
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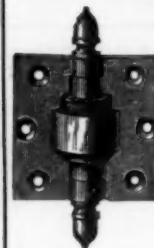
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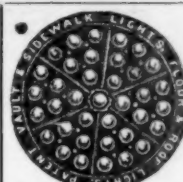
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The AMERICAN ARCHITECT and BUILDING NEWS.

PUBLISHED EVERY SATURDAY BY

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Tin. Page xv.
BURDITT & WILLIAMS (Boston, Mass.), Hard-
ware. Page xvi.
BARITAN HOLLOW & POROUS BRICK CO. (New
York, N. Y.), Fireproofing. Page xix.

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[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.]

466,357. ELECTRIC ANNUNCIATOR.—Charles Mol-
tor, Chicago, Ill.
466,365. SAFETY DEVICE FOR STEAM-BOILERS.—
Frederick G. Parkinson and Andrew H. Mercer, Buf-
falo, N. Y.
466,373. LATCH.—Thompson T. Rogers, Perry, Mo.
466,380. PLUMB AND LEVEL.—Newell H. Spencer,
Elmira, N. Y.
466,419. LATCH FOR SLIDING-DOORS.—Charles
Kelley, Toronto, Canada.
466,425. APPARATUS FOR HEATING MORTAR.—
Homer Petrie, Omaha, Neb.
466,447. DEVICE FOR ELECTRIC ELEVATORS.—
Rudolph C. Smith, Yonkers, N. Y.
466,463. SELF-COUNTERSINKING SCREW-HEAD.—
Charles L. Holland, Beverly, Mass.
466,466. BENCH-VISE.—Mortimer G. Lewis, New
York, N. Y.
466,486. TRANSM-LIFTER.—Rudolph R. Buehler,
Philadelphia, Pa.
466,533. SASH-HOLDER.—Fred A. Buse, New
Castle, Wyo.
466,536. COHESIVE CEILING-FLOOR.—Rafael Guas-
tavo, Jr., Boston, Mass.
466,542. BRICK-ELEVATOR.—Christian Olsen, Can-
ton, Miss.
466,578. WATER-CONDUCTOR.—Samuel Silber-
stein, Pittsburgh, Pa.
466,602. SPEAKING-TUBE.—James B. Carson, At-
lanta, Ga.
466,672. FASTENER FOR THE MEETING-RAILS OF
SASHES.—George W. Galbreath, Sedalia, Mo.

See last or next issue for the following
advertisements.

E. D. Albro Co.
Alsen's Cement Works.
Chrome Steel Works.
Continental Insurance Co.
Cortright Metal Roofing Co.
F. E. Cudell.
F. W. Devos & Co.
Frey, Sheekler Co.
Gorton & Lidgerwood.
Howson & Howson.
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lowing advertisements.

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466,673. HOT-WATER HEATER.—John Q. A. Gantt
and John D. Bloomhardt, Altoona, Pa.
466,676. BRICK-KILN.—John B. Griswold, Zanes-
ville, Ohio.
466,679. KNOB ATTACHMENT.—George E. Hamlin,
New York, N. Y.
466,698. PERSPECTIVE-DRAWING APPARATUS.—
Ernest Meyers, Taunton, Mass.
466,739. TRANSM-LIFTER.—John Finnegan,
Philadelphia, Pa.
466,741-742. TILE-WORK.—Dick N. Lanyon, Chi-
cago, Ill.

Imports of Building Materials, Etc.,

AT THE PORT OF NEW YORK FOR THE
WEEK ENDING JANUARY 8, 1893.

From Antwerp.—Steamer "Rhynland," 1 case pay-
ing tiles, J. Denayer; 800 barrels cement, E. Thiele.
Steamer "Westernland," 40 bags fire clay, J. M.
Huber. Steamer "Conemaugh," 155 barrels clay, E.
Thiele; 500 do. cement, order.
From Carzonas, Mex.—Bark "Formosa," 455 logs
mahogany, J. W. Wilson & Co.
From Hamburg.—Steamer "Denbighshire," 690
barrels cement, order. Steamer "Suevia," 500 bar-
rels cement, order. Steamer "California," 1 case
plaster, Aug. Barth.
From Havana.—Steamer "Panama," 150 bags
asphaltum, order.
From Hull.—Steamer "Buffalo," 199 casks bricks,
Meeker & Carter; 222 do., order.
From Laguna.—Schooner "Carrie A. Buckman,"
200 logs mahogany, 35 log ends do., Thebaud Bros.
From Liverpool.—Steamer "Holland," 1 log wash-
abo wood, order. Steamer "Bothnia," 328 casks
bricks, Howard Fleming.
From London.—Steamer "Canada," 500 casks
cement, C. J. Stevens; 112 logs blackwood, W. S.
Marshall; 1,000 casks cement, order. Steamer
"Galileo," 15 logs wood, order.
From Marseilles and Barcelona.—Steamer
"Neustria," 10 barrels cement, Western State Line;
25 do., J. L. Silva; 7 blocks marble, order.
From Mediterranean Ports.—Steamer "Colum-
bia," 1 case, marble 1 block do., Stevenson & Blen-
20 do, 1 do. red marble, 34 slabs marble, 38 scant-
lings do., order.
From Monte Christi.—Steamer "Sagunaw," 312
logs satin wood, 78 do. mahogany, Jimenes, Haus-
tedt & Co.
From Plymouth.—Bark "Bristol," 1,400 casks china
clay, 200 tons do., 200 do. ball clay, 35,000 fire bricks,
Hammill & Gillespie.
From Port Spain, Trin.—Schooner "Jacob S. Win-
stone," 1,350 tons asphalt, Barber Asphalt Paving
Co.
From San Domingo City.—Steamer "Sagunaw,"
211 logs mahogany, 39 mahogany crotches, Wm. P.
Clyde & Co.
From Savanilla and Colon.—Steamer "Panama,"
1,891 pieces cocobolo, Piza, Nephews & Co.

(Continued on page xv.)

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No successful article of merit yet introduced has been allowed to enjoy unmo-
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ous host, embracing Archi-
tects, Contractors and Fin-
ishers all over the country,
who recognize in it the
leading interior Finish—a
powerful array of friends.

Among its foes are num-
erous nondescript articles,
offered by their manufact-
urers under the name of
"Hard Oil Finish," but
which bear no semblance to
the genuine goods—made
only by us. Other foes of
Hard Oil Finish are certain
manufacturers who have
unsuccessfully tried to make
it, and now denounce it as
a worthless article, not for-
getting at the same time to
extol the alleged merits of
a "Finish" of their own.
In the latter effort, by the
way, it would seem they
were meeting with but in-
different success, judging
by their acrid remarks con-
cerning Architects and Fin-
ishers generally.

For our part, we have
great faith in Architects and
Finishers. They were quick
to perceive the merits of
"Hard Oil Finish" and to
recognize it liberally; and it
will take more than a mere
empty denunciation of in-
terested parties to effect a
reversal of their opinion.

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BROTHERS' HARD OIL
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the use of any of the imita-
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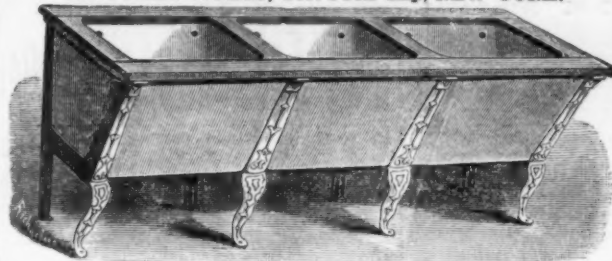
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cement, H. Marquardt & Co.
From Trinidad. — Schooner "Caroline C. Foss," 500
tons asphalt, Barber Asphalt Paving Co.
From Vera Cruz. — Steamer "Habana," 106 pieces
marble, S. Klaber & Co.
From Windsor, N. S. — Schooner "Wentworth," 600
tons lump plaster, J. F. Whitney & Co.

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.

Brooklyn, N. Y. — Fulton St., Nos. 921-929, 5 three-
story frame stores and dwellings, shingle roofs, raised
one story and internal and other alterations made;
cost, \$10,000; owner, Lyman estate, Clinton and
Flushing Aves.; architect, E. W. Powell, 429 Waver-
ley Ave.
Camden, N. J. — Market St., Nos. 310-312, alterations
to two buildings and three-story brick and stone
office-building; owner, Clarence W. Taylor, Esq.;
architects, Bailey & Truscott, 138 South Fourth St.,
Philadelphia, Pa.
Chestnut St., No. 1014, alterations to frame dwell.;
owner, Noah Jefferson.
Chicago, Ill. — W. J. Cook, four-story addition, 1421
Wabash Ave.; cost, \$6,500.
Dr. C. W. Purdy, four-story addition, 57 Twentieth
St.; cost, \$10,000.
J. T. Ryerson, two-story addition, Clinton St. and
Milwaukee Ave.; cost, \$16,000.
Minneapolis, Minn. — R. L. McCormick, alteration,
250-258 Third Ave., n; cost, \$12,000.
New York, N. Y. — Third Ave., Nos. 780-791, four-
story brick store-building raised to five stories, ex-
tension and internal alterations; cost, \$20,000;
owner, Edwin Nordlinger, et al., 71 West Eighty-
ninth St.; architect, Hugo Kafka, 137 Broadway.
Maiden Lane, No. 60, five-story brick store to be
raised to five stories, with internal alterations;
cost, \$7,000; owner, Effingham H. Nichols, 620 Fifth
Ave.; architects, James M. Macgregor & Son, 35
Liberty St.
Pitt St., No. 130, four-story brick factory, exten-
sion and internal changes; cost, \$4,500; owners,
Fischer & Deutsch, 315-323 East Houston St.; archi-
tect, Herman Horenberger, 99 East Third St.
Henry St., Nos. 36-38, seven-story brick factory, re-
paired where damaged by fire; cost, \$3,000; owner,
Harry Fischel, 16 Jefferson St.; architect, G. F.
Pelham, 1431 Broadway.
Fourth Ave., s e cor. Twenty-first St., seven-story
brick hotel, extensions and internal alterations;
cost, \$55,000; owners, Mahon & Coyne, 119 East

BUILDING INTELLIGENCE.

Forty-seventh St.; architect, G. F. Pelham, 1431
Broadway.
West Twenty-second St., Nos. 40-42, 2 three-story
brick office-buildings connected, with interior al-
terations; cost, \$12,000; owner, Robert T. Bell-
chamber, 317 Sixth Ave.; architect, M. C. Merritt,
1267 Broadway.
Philadelphia, Pa. — Walnut St., No. 1503, altera-
to dwell. of R. B. Ellison, Esq.; architect, Frank
Miles Day, 925 Chestnut St.

APARTMENT-HOUSES.

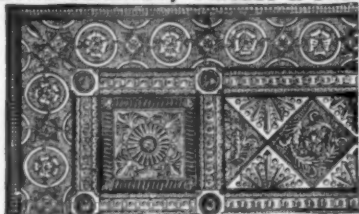
Boston, Mass. — Ruggles St., cor. Shawmut Ave.,
and Shawmut Ave., near Ruggles St., Ward 19, 3
four-story brick apartments, flat roofs, 33.9' x 72' and
47' x 70'; owner and builder, Simon Goldsmith.
Charles and Cambridge Sts., brick and stone
apartment-house, 25 suites, five stories, 70' x 100',
with four stories; owner, J. J. Costello; architect,
Chas. J. Bateman.
Chicago, Ill. — P. F. Peters, 3 three-story flats, 406-410
Sixty-first St.; cost, \$23,000.
Jacob Hepperle, two-story flats, 1267 West Polk
St.; cost, \$3,500.
O. S. Ellithorp, two-story flats, 227 Sunnyside Ave.;
cost, \$3,500.
Schoetz & Aliff, 2 three-story flats, 946-948 Rebecca
St.; cost, \$10,000.
Tribblecock & Penhallagen, two-story flats, 615-617
Sixty-second St.; cost, \$10,000.
M. C. Duffy, two-story flats, 1251 Wrightwood Ave.;
cost, \$5,000.
C. E. D. Waldo, 2 two-story flats, 5215-5119 Kim-
bark Ave.; cost, \$21,000.
Louis J. Herzog, three-story flats, 4316 Wabash
Ave.; cost, \$6,000.
Charles Hammond, three-story flats, 532 South
Oakley Ave.; cost, \$10,000.
Mrs. M. Hitchcock, three-story flats, 48 Seminary
Ave.; cost, \$4,000.
C. J. Carlson, 2 two-story flats, 6209-6211 Morgan
St.; cost, \$4,000.
S. P. Stiles, two-story flats, 6948 Webster Ave.;
cost, \$3,000.
Mrs. Emma Apfel, two-story flats, 864 Larrabee
St.; cost, \$4,000.
George Princes, 6 two-story flats, 1136-1150 West
Superior St.; cost, \$7,200.
Edwin P. Good, two-story flats, 57 Curry Ct.; cost,
\$5,000.
H. Lewis, 4 three-story flats, 397-405 Forty-sixth
St.; cost, \$30,000.
N. P. Cummings, two-story flats, 5813 Wabash Ave.;
cost, \$7,000.
William Washburn, 2 four-story flats, 5482-5484
Monroe Ave.; cost, \$20,000.
D. Ducars, two-story flats, 6626 Drexel Ave.; cost,
\$3,000.
Thomas McNikolas, three-story flats, 16 Winthrop
St.; cost, \$7,000.
Robert Ziffke, three-story flats, 1009 Milwaukee
Ave.; cost, \$5,000.
John Dakton, two-story flats, 381 Washburn Ave.;
cost, \$4,800.
F. Ceeh, three-story flats, 253 West Nineteenth St.;
cost, \$3,500.
Emil Bents, three-story flats, 439 South Oakley
Ave.; cost, \$7,500.

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BUILDING INTELLIGENCE.

L. P. Stiles, two-st'y flats, 6948 Webster Ave.;
cost, \$4,800.

New York, N. Y.—One Hundred and Twenty-first
St., w s, 175' w Seventh Ave., five-st'y brick flat, tin
roof; cost, \$28,000; owners, McDowell Bros., 2305
Eighth Ave.; architect, John C. Burne, 1531 Third
Ave.

One Hundred and Forty-second St., s s, 100' w
Eighth Ave., five-st'y brick flat, tin roof; cost, \$25,-
000; owner, George Schafer, 315 West One Hundred
and Forty-fourth St.; architect, John C. Burne,
1531 Third Ave.

Courtlandt Ave., e s, 75' s East One Hundred and
Fiftieth St., five-st'y brick flat, tin roof; cost, \$17,-
000; owner, Christian Kuehner, 550 Courtlandt
Ave.; architect, Anthony F. A. Schmitt, 606 Court-
landt Ave.

One Hundred and Twentieth St., s s, 125' e Sev-
enth Ave., five-st'y brick flat, tin roof; cost, \$24,000;
owner, Joseph S. Judge, 66 East Ninety-third St.;
architect, F. T. Camp, 177 Broadway.

One Hundred and Twentieth St., s s, 155' e Sev-
enth Ave., five-st'y brick flat, tin roof; cost, \$16,000;
owner, Joseph S. Judge, 66 East Ninety-third St.;
architect, F. T. Camp, 177 Broadway.

One Hundred and Thirty-first St., s s, 125' e
Fifth Ave., 2 five-st'y brownstone flats; cost, \$50,-
000; owners, W. & J. Forbes; architect, John
Hauser.

Eighty-ninth St., s s, 257' w Avenue A, 2 five-st'y
brownstone flats; cost, \$34,000; owner, James J.
Jones.

FACTORIES.

Chicago, Ill.—Barhop & Mahuko, four-st'y factory,
508-510 Clybourn Ave.; cost, \$6,000.

HOUSES.

Baltimore, Md.—Jos. B. Yeatman, 2 two-st'y brick
buildings, e s Alsquith St., bet. Federal and Oliver
Sts.

Boston, Mass.—E St., No. 156, Ward 15, frame
dwelling, flat roof, 20' x 30'; also stable in rear, 12' x
27'; owner, H. S. Barker; builder, N. Wilhelm.

West Eagle St., near Meridian St., Ward 1, 2
three-st'y frame dwellings, flat roofs, 22' x 59'; owners
of one, Hatt & Rogers; owner of other, Geo. Web-
ster; builders of both, Hatt & Rogers.

Idaho St., near River St., Ward 24, three-st'y
frame dwelling, flat roof, 22' x 47'; owner and builder,
Frederick Fabian.

East Broadway, No. 311, Ward 14, three-st'y
frame dwelling, flat roof; owner, W. Westcott;
builder, E. R. Flint.

Warwick St., Nos. 7-13, Ward 10, 4 three-st'y
brick dwellings, flat roofs, 30' x 40'; owner and
builder, B. J. Connelly.

Shawmut Ave., near Sterling St., Ward 19, 3 four-
st'y brick dwellings, flat roofs, 30' x 40'; owner and
builder, M. A. Parsons.

Julian Ave., cor. Judson Ave., Ward 20, frame
dwelling, 25' x 50'; owner, Mrs. Janet Pope; builder,
W. J. Pope.

Leyden St., near Breed St., Ward 1, frame dwelling,
flat roof, 30' x 32'; owner, Joseph Chirza.

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Morton St., near Sanford St., Ward 24, frame
dwelling, 21' x 45'; owner, John A. Page; builders, J.
A. Tucker & Son.

Stanley St., near Quincy St., Ward 24, two-st'y
frame dwelling, hip roof, 31' x 45'; owner, W. H.
Prescott; builders, Burke Bros.

Peter Parley Road, cor. Washington St., Ward
23, frame dwelling, 33' x 40'; owner and builder, T. F.
Maguire.

Surrey St., nearly opp. Foster St., Ward 25,
frame dwelling, 24' x 38.5'; owner, S. J. Wilde;
builder, H. K. Ruggles.

Washington St., No. 2681, Ward 21, frame dwelling,
17' x 52'; owner, J. F. Osgood; builder, F. H.
Julian.

Unnamed Pl., off Summer St., Ward 25, frame
dwelling, 50' x 54'; owner, A. A. Adams; builders, J.
H. Proctor & Co.

Amherst St., near Albano St., Ward 23, three-st'y
frame dwelling, pitch roof, 20' x 42', owner, Emma L.
Shaw; builder, S. G. Shaw.

Everett St., No. 43, Ward 23, frame dwelling, 28' x
44'; owner and builder, J. P. Campbell.

Unnamed Pl., from Burroughs St., Ward 23,
frame dwelling, 28' x 40'; owner, J. H. Champney;
builder, M. H. Fossitt.

Brookfield St., near South St., Ward 23, frame
dwelling, 27' x 39'; owner and builder, P. M. Brown.

Brooklyn, N. Y.—Varet St., w s, 150' w Morrill St.,
2 four-st'y frame dwellings, tin roofs; cost, \$6,000
each; owner, Isadore Mock, 81 Debevoise St.; archi-
tect, Th. Engelhardt, 905 Broadway.

Rockaway Ave., e s, 24' 50' w Dean St., 5 three-st'y
frame dwellings, tin roofs; cost, \$3,500 each; owner,
Salvatore McCue, 261 McDougal St.; architect, J.
Mason Kirk, 511 Bainbridge St.

BUILDING INTELLIGENCE.

Varet St., No. 80, four-st'y frame dwelling, tin roof;
cost, \$6,000; owners, Wolpert & Gomer, Varet &
Ewen Sts.; architects, David Anker & Son, 752
Broadway.

Montrose Ave., s s, 125' e Graham Ave., three-st'y
frame dwelling and stable, tin roof; cost, \$8,000;
owner, Mrs. G. Steinmetz, on premises; architects,
D. Acker & Son, 752 Broadway.

Forty-fifth St., n s, 80' w Fourth Ave., three-st'y
frame dwelling, tin roof; cost, \$3,200; owner, archi-
tect and builder, John H. O'Rourke, 76 Thirty-
ninth St.

Seigel St., No. 154, four-st'y frame dwelling, tin
roof; cost, \$6,000; owner, Mrs. A. Grant, on prem-
ises; architects, D. Acker & Son, 752 Broadway.

Clinton Ave., No. 518, five-st'y brick dwelling, tin
and slate roof; cost, \$30,000; owner, Montrose W.
Morris, 513 Clinton Ave.; architect, Peter Cleary,
45 Exchange Pl.

Fifty-sixth St., s s, 250' e Third Ave., 6 two-st'y
frame dwellings, tin roofs; cost, \$2,500 each; owner,
Jarvis Masters, 240 Forty-seventh St.; architects,
H. L. Spicer & Son, Third Ave. and Fifty-third St.

Fifty-sixth St., n s, 90' w Fourth Ave., 6 two-st'y
frame dwellings, tin roofs; cost, \$2,500 each; owner,
Michael Meehan, 262 Munroe St., New York City;
architects, H. L. Spicer & Son, Third Ave. and
Fifty-third St.

Fifty-seventh St., s s, 200' e Third Ave., 3 two-st'y
frame dwellings, tin roofs; cost, \$2,500 each; owner,
Michael Meehan, 262 Munroe St., New York City;
architects, H. L. Spicer & Son, Third Ave. and
Fifty-third St.

Paeife St., s s, 255' e Utica Ave., 4 two-st'y frame
dwellings, gravel roofs; cost, \$3,000 each; owner, Chas.
D. Terry, 1064 Dean St.

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PHILADELPHIA, PA.**BUILDING INTELLIGENCE.****SCHOOL-HOUSES.****Fort Worth, Texas.** - The building of four school-
buildings, to cost about \$13,000 each, is con-
templated.**STABLES.****Baltimore, Md.** - D. M. Hite will build two-sty
corrugated iron stable in rear No. 1015, e s Fulton
Ave.**Boston, Mass.** - *Saratoga St.*, rear, near Butler St.,
Ward 1, one-sty frame stable, pitch roof, 20' x 24';
owner, Martin Compians; builder, T. Yeomans.*Dix St.*, rear, near Dorchester Ave., Ward 24, one-
sty frame stable, pitch roof, 24' x 27.6'; owner and
builder, P. F. Hanlon.*Tilston Ave.*, rear, near Walk Hill St., Ward 24,
one-sty frame stable, pitch roof, 20' x 20'; owner,
Frank Hill; builder, J. B. Whidden.*Chiswick Road*, rear, cor. Commonwealth Ave.,
Ward 25, one-sty frame stable, pitch roof, 33' x
44.3'; owner, Benjamin Phipps; builder, James
McNeill.**Chicago, Ill.** - West Chicago Street Railroad Co.,
three barns, 26 South Desplaines St.; cost, \$15,000.
Laurence Williams, two barns, 396 Ontario St.;
cost, \$2,500.**New York, N. Y.** - *Twentieth St.*, s s, 400' w Tenth
Ave., three-sty brick stable, gravel roof; cost, \$17-
500; owner, William T. Moore, France; attorney in
fact, James N. Wells, 12 East Forty-second St.; ar-
chitects, King & Symonds, Temple Court.**STORES.****Chicago, Ill.** - Neils Christenson, two-sty store and
flats, 1149 Fifty-ninth St.; cost, \$4,000.R. Kampf, three-sty store and flats, 5310 Went-
worth Ave.; cost, \$5,000.B. F. Danba, store, 3351-3353 State St.; cost,
\$7,000.**Minneapolis, Minn.** - John Nicholson, three-sty
brick store and flats, 729 Nicollet Ave.; cost,
\$16,000.**Morton, Delaware Co., Pa.** - Three three-sty
frame stores and dwellings; builder, Thos. Harding.**New York, N. Y.** - *Sullivan St.*, Nos. 5 to 15, six-sty
brick store building, tin roof; cost, \$50,000; owner,
John T. Williams, 871 Madison Ave.; architect,
Charles R. Behrens, 226 West One Hundred and
Twenty-first St.*Eighty-seventh St.*, n w cor. Third Ave., five-sty
brick and stone store; cost, \$25,000; owner, Thomas
Whiffen; architect, F. Wennemer.**WAREHOUSES.****Chicago, Ill.** - Henry Phillips Co., six-sty storage
building, 24-28 North Clinton St.; cost, \$30,000.C. S. Rice, four-sty warehouse, 561-563 Wabash
Ave.; cost, \$40,000.L. G. Wallberg, three warehouses, 211-219 West
Twentieth St.; cost, \$30,000.**St. Louis, Mo.** - Two-sty brick warehouse; cost,
\$3,000; owners, Frederick & Bro.; contract sub-let.
Six-sty brick warehouse; cost, \$70,000; owners,
Tiffany R. E. Co.; contractors, Clark & Witney.**MISCELLANEOUS.****Charlestown, Mass.** - Four-sty brick brass works,**BUILDING INTELLIGENCE.***Hull St.*, s s, 75' w Rockaway Ave., 13 three-sty
frame dwellings, tin roofs; cost, \$3,800 each;
owner, John K. Tice, 1694 Dean St.*Bushwick Ave.*, e s, 24' 4 1/2' s Hart St., 3 four-sty
brick dwellings, tin roofs; cost, \$8,000 each; owner,
Wm. Mogk, on premises; architect, H. Vollweiler,
483 Hart St.*Pulaski St.*, n s, 325' e Tompkins Ave., 5 two-and-
one-half-sty brick dwellings, tin roofs; cost, \$6,000
each; owner, F. E. Greenland, 28 Hart St.*Wyckoff St.*, n s, 314' 39' w Hoyt St., four-sty brick
dwelling, tin roof; cost, \$7,000; owner, A. E. Harting-
ton, 35 Garnet St.; architect, W. H. Wirth, 83
Seventeenth St.*Wyckoff St.*, n s, 296' 37' w Hoyt St., four-sty brick
dwelling, tin roof; cost, \$4,000; owner, A. E. Harting-
ton, 35 Garnet St.; architect, W. H. Wirth, 83
Seventeenth St.*Christopher St.*, w s, 125' n Sutter Ave., 5 two-sty
frame dwellings, tin roofs; cost, \$2,500 each; owner,
Medad Smith, Sutter Ave. and Williams St.; archi-
tect, F. E. Smith, Sutter Ave. and Williams St.*Humboldt St.*, w s, 175' n Johnson Ave., four-sty
frame dwelling, tin roof; cost, \$5,000; owner, Wm.
Mayer, 204 Meserole St.; architect, F. J. Berlen-
bach, Jr., 260 Graham Ave.*Scholes St.*, n s, 175' e Lorimer St., four-sty frame
dwelling, tin roof; cost, \$5,000; owner, Henry Meyer,
311 Bushwick Ave.; architect, F. J. Berlenbach, Jr.,
260 Graham Ave.**Chicago, Ill.** - J. Smith, 3 two-sty dwellings, Webster
Ave. and Seventy-second St.; cost, \$7,500.George Clark, three cottages, 623-627 Sixty-sixth
St.; cost, \$4,500.John P. Thompson, 2 three-sty dwellings, 34-36
Orchard St.; cost, \$5,000.Frank J. Gallagher, three-sty dwelling, Beacon and
Wilson Sts.; cost, \$5,000.Ellen Baldwin, cottage, 922 Mattison Ave.; cost,
\$10,000.William Groh, two-sty dwelling, 4422 St. Laurence
Ave.; cost, \$4,000.Thomas Brann, two-sty dwelling, 3187 South Park
Ave.; cost, \$12,000.H. Boode, two-sty dwelling, 460 Orchard St.; cost,
\$5,000.Maggie Sherlon, 2 two-sty dwellings, 4715-4717
Langley Ave.; cost, \$12,000.J. McConnell, 5 two-sty dwellings, 712-742 Shields
Ave.; cost, \$12,500.E. A. Titau, two dwellings, 1406 Millard Ave.; cost,
\$3,300.J. F. & J. P. Doerr, 2 three-sty dwellings, 4920-4926
Champlain Ave.; cost, \$12,000.**Chatham, Mass.** - Frame dwelling, 38.6' x 54.6', with
L for kitchen, 25.6' x 36.6'; owner, Marcellus El-
dridge, Portsmouth, N. H.; builder, D. W. Edwards;
architect, Franz E. Zerrahn, Boston.**Marion, Mass.** - Frame dwelling and stable; cost,
\$8,800; owner, George A. Nickerson; builder, Z. B.
Davis, New Bedford; architects, Shepley, Rutan &
Coolidge, Boston.**Minneapolis, Minn.** - J. G. Heinrich, frame dwelling,
2500 Bryant Ave., s; cost, \$10,000.**Newton Centre, Mass.** - *Centre St.*, frame dwelling,
40' x 56.6', with L, 8' x 16'; owner, H. D. Degen;
contract to be let; architect, W. W. Lummas,
Boston.*A new st.*, near Homer St., frame dwelling, 39' x 42',
with L, 15' x 19'; contract to be let; architect, O. F.
Smith, Boston.**BUILDING INTELLIGENCE.****New York, N. Y.** - *West Twentieth St.*, No. 23, five-
sty brick dwelling, tin roof; cost, \$55,000; owner, Dr.
W. Gill Wylie, 40 West Fortieth St.; architect,
Robert H. Robertson, 121 East Twenty-third St.*Ninety-fifth St.*, n s, 411' w Central Park, West, 5
five-sty brick dwellings, tin roofs; cost, \$80,000;
owner, Ellen M. Harlow, One Hundred and Sixty-
fourth St. and Morris Ave.; architect, M. V. B.
Ferdon, 272 West Thirty-fourth St.*One Hundred and Fiftieth St.*, s s, 75' w Morris
Ave., three-sty brick and frame dwelling, tin roof;
cost, \$5,000; owner, Jacob H. Westheimer, 232 West
One Hundred and Thirtieth St.; architect, Adolph
Pfeiffer, 3068 Third Ave.*One Hundred and Forty-fourth St.*, n s, 330' w
Brook Ave., 3 three-sty stone and frame dwelling, tin
roof; cost, \$10,500; owner, James S. Bryant, 722
East One Hundred and Forty-fourth St.; architect,
Adolph Pfeiffer, 534 Willis Ave.**Philadelphia, Pa.** - *Titan St.*, bet. Twenty-sixth
and Twenty-seventh Sts., 12 two-sty brick and
stone dwellings; contractor, Alfred G. Clay.*Howard St.*, bet. Snyder Ave. and Jackson St., 8
two-sty brick dwellings; builder, John J. Cassidy,
McKean St. and Moyamensing Ave.*Girard Ave.*, bet. Fortieth and Forty-first Sts., 6
three-sty brick and stone dwellings; architect, David
S. Beale, Hale Building, Juniper and Chestnut Sts.*Seigel St.*, n s, bet. Eighteenth and Nineteenth
Sts., 10 two-sty brick and stone dwellings; builder, C.
B. Prettymann, 214 North Juniper St.*Wolf St.*, w Fifth St., 14 two-sty brick and stone
dwellings; owner and builder, Wm. J. Ross, 1231
South Twenty-first St.**Pittsburgh, Pa.** - *Meyran Ave.*, two-sty brick
dwelling; cost, abt. \$4,000; owner, Wm. Biggs.*Sycamore St.*, two-sty frame dwelling; cost, abt.
\$3,500; owner, Mrs. John Wellington.Three-sty frame dwelling; cost, abt. \$4,000; owner,
H. L. Turner, Esq.; builders, Thos. C. Cook & Bros.**Royersford, Chester Co., Pa.** - Horace W. Rogers,
dwelling, Main St.**Rutledge, Delaware Co., Pa.** - *Sylvester Ave.*,
three-sty stone dwelling; owner, Wm. Henderson.*President Ave.*, dwelling, for Max Weise.**Waltham (Rose Hill), Mass.** - *Main St.*, frame
dwelling, 34' x 55'; owner, John R. Farnum; builder,
L. W. Martin; architect, Warren A. Rodman, Bos-
ton.**Wawa, Delaware Co., Pa.** - Edward T. Davis, Esq.,
Philadelphia, will build a dwelling; cost, abt. \$25,000.**West Chester, Chester Co., Pa.** - *Matlack and*
Lucey Sts., 2 three-sty brick dwellings; owner, Plum-
mer E. Jeffers.**Winthrop (Cottage Park), Mass.** - Frame dwelling,
30' x 32', with L, 21' x 29'; contract to be let; archi-
tect, O. F. Smith, Boston.**OFFICE-BUILDINGS.****Chicago, Ill.** - Whitney & Starrett Co., agents for
Delos A. Blodgett, twelve-sty office-building, 175-
183 Washington St.; cost, \$700,000.**Knoxville, Tenn.** - Five-sty office-building, to cost
about \$35,000, is contemplated.**Minneapolis, Minn.** - C. Van Strum, four-sty
office-building, 301-303 Washington Ave.; cost, \$40-
000.

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BUILDING INTELLIGENCE.

Flat roof, 50' x 115'; owner, J. d'Este; contract to be let; architect, Alden Frink, Boston.

Chicago, Ill. — R. J. Holmes, one-st'y iron war museum, 1337 Wabash Ave.; cost, \$25,000.

Girls' Mutual Benefit Club, two-st'y club-house, 531 West Superior St.; cost, \$5,000.

Armour & Co., boiler-house, Thirty-second and Benson Sts.; cost, \$4,000.

Fort Worth, Texas. — \$75,000 is to be expended in the building of a city-hall.

Java Centre, N. Y. — W. H. Archer, architect, of Buffalo, has prepared plans for the new Java Centre Academy and Union School.

Minneapolis, Minn. — Anderson Bros., two-st'y brick hall, 312-314 Twentieth Ave. n; cost, \$10,000.

Monroe, N. C. — Jail-building, to cost \$20,000, will probably be built by Union County.

Norfolk, Va. — D. Lowenberg has had plans prepared by G. C. Moer, architect, for five-st'y building, to cost, \$18,000.

St. Louis, Mo. — Two-st'y brick malt-house; cost, \$7,000; owner, H. Kunz; contractor, J. H. Remmers.

PROPOSALS.

January 11, 1892. Sealed proposals will be received at the office of the Supervising Architect, Treasury Department, Washington, D. C., until 2 o'clock P. M., on the 9th day of February, 1892, for all the labor and materials required for putting in place complete, the low-pressure, return-circulation, steam-heating

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PROPOSALS.

and ventilating apparatus for the United States Custom-house and Post-office building at Eastport, Me., 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 Eastport, Me. 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 Department will reject all bids received after the time herein stated for opening the same; also, bids which do not comply strictly with all the requirements and meaning of this invitation. Proposals must be enclosed in envelopes sealed and marked "Proposal for the Low-Pressure, Return-Circulation, Steam-Heating and Ventilating Apparatus for the United States Custom-house and Post-office Building at Eastport, Me.," and addressed to W. J. EDBROOKE, Supervising Architect. 839

January 12, 1892. Sealed proposals will be received at the office of the Supervising Architect, Treasury Department, Washington, D. C., until 2 o'clock P. M. on the 10th day of February, 1892, for all the labor and materials required for putting in place complete, the low-pressure, return-circulation, steam-heating and ventilating apparatus for the United States Post-office, etc., building at Portsmouth, Ohio, in accordance with drawings and specification, copies of which may be had on application at this office or the office of the Superintendent at Portsmouth, Ohio. 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 Department will reject all bids received after the time herein stated for opening the same; also, bids which do not comply strictly with all the requirements and meaning of this invitation, or upon any heating and ventilating apparatus not satisfactory to this Department. Proposals must be enclosed in envelopes sealed and marked "Proposal for the Low-Pressure, Return-Circulation, Steam-Heating and Ventilating Apparatus for the United States Post-office Building at Portsmouth, Ohio," and addressed to W. J. EDBROOKE, Supervising Architect. 839

January 11, 1891. Sealed proposals will be received at the Office of the Supervising Architect, Treasury Department, Washington, D. C., until 2 o'clock P. M. on the 9th day of February, 1892, for all the labor and materials required for putting in place complete, the low-pressure, return-circulation, steam-heating

PROPOSALS.

and ventilating apparatus for the United States Court-house and Post-office building at Statesville, N. C., in accordance with drawing and specification, copies of which may be had on application at this office or the office of the Custodian at Statesville, N. C. 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 Department will reject all bids received after the time herein stated for opening the same; also, bids which do not comply strictly with all the requirements and meaning of this invitation. Proposals must be enclosed in envelopes sealed and marked "Proposal for the Low-Pressure, Return-Circulation, Steam-Heating and Ventilating Apparatus for the United States Court-house and Post-office Building at Statesville, N. C.," and addressed to W. J. EDBROOKE, Supervising Architect. 839

To Builders. Office of the Light-house Engineer, Third District, Tompkinsville, N. Y., January 6, 1892. Sealed proposals will be received at this office until 12 o'clock, noon, of Thursday, the 28th day of January, 1892, for furnishing the materials and labor of all kinds necessary for the erection and delivery of the Old Orchard Shoal Light-house, 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. Army, Light-house Engineer, Third District. 839

To Iron Manufacturers. Office of the Light-house Engineer, Third District, Tompkinsville, N. Y., January 6, 1892. Sealed proposals will be received at this office until 12 o'clock, noon, of Thursday, the 28th day of January, 1892, for furnishing the materials and labor of all kinds necessary for the completion and delivery of the metal-work of the Old Orchard Shoal Light-house, 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. Army, Light-house Engineer, Third District. 839

January 8, 1892. Sealed proposals will be received

(Continued on page xx.)

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PROPOSALS.

at the office of the Supervising Architect, Treasury Department, Washington, D. C., until 2 o'clock P. M., on the 8th day of February, 1892, for all the labor and materials required for the trench excavation, concrete and stone foundations, stone masonry, cut stone and brick work of the basement and area walls, first floor and basement beams and girders, basement columns, etc., for the United States Court-house, and Post-office at Omaha, Nebraska, in accordance with the drawings and specification, copies of which may be had on application at this office or the office of the Superintendent. 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 department will reject all bids received after the time herein stated for opening the same; also, bids which do not comply strictly with all the requirements of this invitation. Proposals must be enclosed in envelopes sealed and marked "Proposal for the Trench Excavations, Basement and Area Walls, Iron Beams, Columns, etc., for the United States Court-house, Custom-house and Post-office at Omaha, Nebraska," and addressed to W. J. EDBROOKE, Supervising Architect. 839

January 9, 1892. Sealed proposals will be received at the office of the Supervising Architect, Treasury Department, Washington, D. C., until 2 o'clock P. M. on the 9th day of February, 1892, for all the labor and materials required for the excavation, concrete, stone masonry, cut-stone work and brickwork, iron and wood floor and roof construction, roof covering, approaches, etc., for the United States Post-office, Custom-house, etc., at Jacksonville, Florida, in accordance with drawings and specification, copies of which may be had on application at this office or the office of the Superintendent at Jacksonville, Florida. 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 Department will reject all bids received after the time herein stated for opening the same; also, bids which do not comply strictly with all the requirements of this invitation. Proposals must be enclosed in envelopes sealed and marked "Proposal for the Excavation, Concrete, Stone Masonry, Cut-stone Work and Brickwork, Iron and Wood Floor and Roof Construction, Roof Covering, Approaches, etc., for the United States Post-office, Custom-house, etc., at Jacksonville, Florida," and addressed to W. J. EDBROOKE, Supervising Architect. 839

December 31, 1891. Sealed proposals will be received at the office of the Supervising Architect, Treasury Department, Washington, D. C., until 2 o'clock P. M., on the 29th day of January, 1892, for furnishing and delivering at freight-depot in city where required



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" " " Eyes - - - - -	5000	3000	2000	1500	1200	1000	750		125
" " " One Hand - - - -	2500	1500	1000	750	625	500	375		125
" " " Foot - - - - -	2500	1500	1000	750	625	500	375		250
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PROPOSALS.	PROPOSALS.
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[Advertisers can be indexed only under a single head free of charge].

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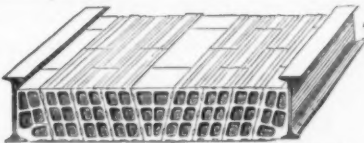
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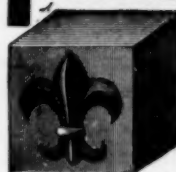
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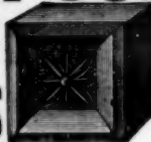
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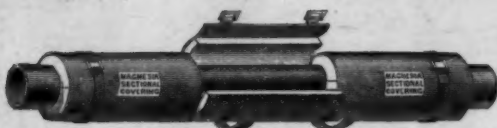
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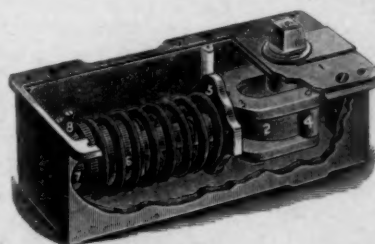
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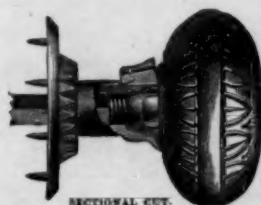
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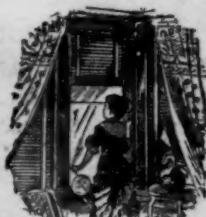
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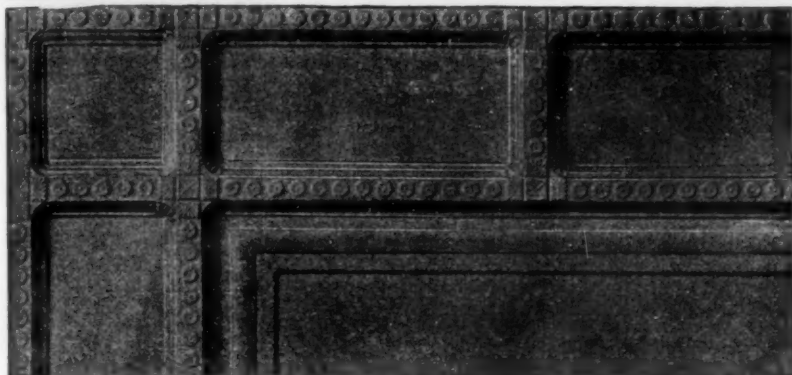
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	New York.	Boston.	Chicago.	Philadelphia.
BRICK.—P. M.				
Common: Cargo afloat.				In Yard.
Pale.....	2 00 @ 2 25	Eastern.....	Building Brick.....	Sq. Hard.....
Jersey.....	4 50 @ 5 00	9 00 @ 10 00	@ 6 50	".....
Long Island.....	@	Bay State Hard.....		Salmon.....
Up River.....	@	8 00 @ 9 00		Sq. ".....
Haverstraw Bay 2d.....	5 00 @	Domestic Com.....	Indiana Pressed.....	Light Stretchers.....
" 1st.....	5 25 @ 5 50	9 50 @ 10 00	14 00 @ 20 00	".....
Hollow.....	@ 13 00	Domestic Face.....	St. Louis Fronts.....	Medium ".....
Fronts:		20 00 @ 22 00	@ 27 00	Red ".....
Croton, Brown.....	@ 13 00	Philadelphia.....		Dark ".....
" dark.....	@ 14 00	40 00 @ 45 00		".....
" red.....	@ 14 00	Phila. mould.....		Pressed.....
Chicago pressed (Anderson).....		50 00 @ 80 00		18 00 @ 20 00
" Moulded.....				Best Paving.....
Baltimore.....	37 00 @ 41 00	Anderson.....	15 00 @ 27 00	".....
Philadelphia.....	23 00 @ 24 00	14 00 @ 32 00	65 00 @ 350 00	Third ".....
Trenton.....	22 00 @ 23 00		@ 55 00	@ 12 00
Milwaukee.....			45 00 @ 50 00	Dom. {.....
Moulded:			25 00 @	@ 65
Glens Falls Red Pressed.....	@ 37 00		60 00 @ 100 00	@ 88
" Buff.....	@ 30 00		30 @	
" Moulded Red & Buff.....	45 00 @ 70 00		35 @	
Enamelled: Imp.			55 00 @ 65 00	
Enamelled (edge).....	85 00 @ 100 00		@ 100 00	
Enamelled (edge and end).....	90 00 @ 115 00		@ 120 00	
CEMENT, LIME, etc.—(P. cask.)				
Rosendale Cement.....	1 15 @ 1 20	1 20 @ 1 40	Not sold.	1 30 @ 1 50
Louisville.....		Brooks, S. & Co.	1 05 @ 1 30	BS & Co 2 75 @ 3 00
Utica, Akron, Buffalo, Milwaukee.....	Not sold.	2 60 @ 3 00	1 00 @ 1 25	2 85 @ 3 25
Portland, English (Gibbs).....	2 50 @ 3 00	2 60 @ 3 00	2 75 @ 3 25	2 85 @ 3 15
" (K. B. & S.).....	2 50 @ 3 00	2 60 @ 3 00	3 00 @ 3 25	2 75 @ 3 00
" " Black Cross.....	2 25 @ 2 50	2 60 @ 3 00	3 00 @ 3 25	2 85 @ 3 15
" " (Burnham).....	2 50 @ 2 80	2 60 @ 3 00	2 90 @ 3 15	2 75 @ 2 85
" " (White).....	2 65 @ 3 00	2 60 @ 3 00	3 00 @ 3 25	
" French (Lafarge).....	3 00 @ 3 75	3 00 @ 3 50	3 75 @ 4 25	Hemmoor.....
" German (Aren).....	2 90 @ 3 25	3 00 @ 3 50	3 30 @ 3 50	2 50 @ 2 75
" " (Fewer).....	2 25 @ 2 40	3 15 @ 3 35	3 20 @ 3 40	2 75 @ 2 85
" " (Vorwohler).....	2 50 @ 2 90	Cleopatra.....		Josson.....
" " (Lagerdofer).....	@	2 55 @ 3 00	2 75 @ 3 00	2 60 @ 2 75
" " (Dyckerhoff).....	2 90 @ 3 25	3 00 @ 3 50	3 25 @ 3 50	3 90 @ 3 25
" " (Hanover).....	2 50 @ 3 00		Not sold.	2 75 @ 2 85
" " Stettin (Anchor).....	2 35 @ 2 85		Not sold.	
" American (Saylor's).....	2 15 @ 2 45	2 15 @ 2 50	2 75 @ 3 00	2 70 @ 3 00
Roman.....	2 75 @ 3 00	@ 3 00	2 75 @ 3 25	3 00 @ 3 50
Keene's coarse.....	5 75 @ 6 50	@ 6 00	6 00 @ 7 00	6 50 @ 7 00
" superfine.....	9 25 @ 10 25	@ 11 50	9 00 @ 10 50	8 00 @ 9 00
Lime:				
Lime of Tell.....	3 50 @ 4 00		Not sold.	White Lime P bush.....
Hydraulic Lime.....	@ 1 45	@ 1 35		25 @ 30
Chicago Lime in bulk.....		St. John 1 00	55 @	{ White Mash.....
Wisconsin Lime.....			60 @	{ 1 25 @ 1 50
Rockland and Rockport, (Com.).....	@ 85	@ 1 05	Not sold.	1 00 @ 1 00
Rockland and Rockport, finish.....	@ 1 00	@ 1 10	Not sold.	
Kelley Island Lime, finish.....	@ 1 20	@ 1 20	1 00 bulk, 75c.	Not sold.
State, com. cargo rates (nom.).....	@ 85	Not sold.	Not sold.	Not sold.
State, finishing.....	@ 1 05	Not sold.	1 85 @ 1 90	1 50 @ 2 25
Plaster of Paris (calcined).....	1 20 @ 1 25	1 85 @ 2 00	1 85 @ 1 90	1 75 @ 2 50
" (casting).....	1 30 @ 1 35	@ 2 25	20 @ 25	20 @ 25
Hair (Cattle) P bush.....	16 @ 18	25 @ 30	30 @ 35	30 @ 35
" (Goat).....	25 @ 28	@ 30	@ 60	1 50 @
Sand, P load.....	1 00 @ 1 25	1 75 @ 1 90		
STONE.—(P. cubic foot, rough.)				
Granite: (Maine)		@ 60		55 @ 65
Limestone:				75 @ 90
Bedford.....	45 @ 1 25	95 @ 1 00	50 @	Richmond.....
Joliet.....	@ 1 00		35 @ 55	75 @ 1 50
Lemont.....	@		35 @ 60	P Perch.....
Serpentine.....	@	10 50 per ton	@ 1 00	@ 4 00

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Black, brown, buff	2 1/2			
Coloride	2 1/2			
Red	3			
White	1 75			
Foundation:				
Dimension		5 00	20	5 00
Block		4 60		Conshocken
Rubble		1 25	8 50	1 45
Bluestone: (P sq. ft.)				
Sidewalk	30 @ 5 00	40 @ 1 75	75 @ 1 00	1 in. th. 10 @ 25
Planned	50 @ 6 00	@ 75	50 @ 1 00	37 @ 50
Sandstone:				
Longmeadow	@ 80	80 @ 90		
Kibbe	@ 90	90 @ 1 10		
Brown (Connecticut)	1 00 @	1 25 @ 1 45	1 50 @ cub. ft.	95 @ 1 16
Amherst	90 @ 95	90 @ 1 00	45 @ 50	1 05 @ 1 35
Berea	75 @ 1 00	85 @ 90	45 @ 55	55 @ 1 00
Berlin	75 @ 1 00	80 @ 90	55 @ 65	
Bellefonte	80 @ 1 25	1 25 @ 1 35	@ 1 25	1 10 @ 1 00
New Brunswick (Dorchester)	@ 1 00	75 @ 90		1 00 @ 1 00
Caen	@	@ 2 00		1 25 @ 1 00
Carlisle, English	@ 1 05	@ 1 05		95 @ 1 00
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	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.	@ 3 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	7 50 @ 10 25
" black, Lehigh	4 25 @ 4 75		6 25 @ 6 85	2 25 @ 4 00
" Chapmans	5 50 @ 8 00	5 50 @ 8 00	7 30 @ 8 00	60 @ 4 65
" Unfading black, Monson, Me.		@	6 00 @ 9 00	5 50 @ 8 00
Tiles, Am. (P M.)		@	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	7 @ 7 1/2	6 1/2 @ 7	dry Eng. @ 7 1/2
" zinc	5 @ 8 1/2	7 @ 8	7 @ 10 1/2	Eng. @ 7 1/2
Red lead, Am.	6 1/2 @ 7	7 @ 7 1/2	6 1/2 @ 7	dry Am. @ 7 1/2
" Venetian	6 @ 10 1/2	7 @ 12	1 1/2 @ 2 1/2	@ 1 1/2
" Vermillion	65 @ 70	70 @ 75 dry	65 @ 68	@ 21
" Indian, Eng.	12 @ 20	12 @ 20	12 @ 20	@ 20
Yellow Ochre	6 @ 15	7 @ 12	3 @ 15	@ 12
" Chrome	12 @ 20	18 @ 25	15 @ 25	@ 24
Green (chrome)	8 @ 13	8 @ 20	8 @ 20	@ 60
Green, Paris	25 @ 40	25 @ 40	18 @ 35	@ 44
Black, lamp	15 @ 25	15 @ 25	12 @ 35	@ 1
Blue, ultramarine	12 @ 18	18 @ 30	12 @ 35	@ 2
Oil, linseed, (raw)	55 @ 63	37 @ 38	57 @ 60	@ 7 1/2
" boiled	58 @ 65	40 @ 41	60 @ 63	@ 14
Turpentine	36 @ 37	30 @ 30	51 @ 51	@ 13
Varnish, coach		1 50 @ 6 00	1 25 @ 2 00	125 @ 3 00
Shellac		2 50 @ 3 00	2 25 @ 4 00	150 @ 3 00
Putty	2 @	2 @ 4	2 @ 2 1/2	2 @ 2 1/2
Whiting	75 @ 1 00	1 @ 1 1/2	1 @ 1 1/2	@ 1
Paris white, (Eng.)	1 30 @ 2 00	2 @ 3	1 1/2 @ 2	@ 2
Litharge, Am.	5 1/2 @ 6	7 @ 7 1/2	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
HARDWARE.				
Nails: (Per Cask.) Spikes, (wrought.)	@ 2 85	@	2 75 @ 3 00	per keg @ 2 25
10d. common	@ 2 60	2 20 @ 2 40	@ 2 35	@ 2 30
Shingle	@ 3 35	2 30 @ 2 50	@ 2 75	@ 2 60
Lath	@ 4 85	3 20 @ 3 40	@ 3 65	3 60 @ 4 75
(Finishing nails according to size.)	@	@	Add .85 to \$1.15	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
Brass (for cupboards)	@ 10	@ 10	@ 12	@ 1 00
Ebony	@	@	@	@ 35
Apple wood	@	@	@	37 @ 1 00
Knobs: (P set.)				@ 08
Mineral, best	@ 5	@ 8	8 @ 10	Not Sold.
Lava	Not Sold.	17 @ 33	65 @ 80	25 @ 50
Hemacite	@ 30	@ 10	25 @ 30	@ 25
Porcelain	Not Sold.	@ 50	Not Sold.	1 00 @ 2 50
Glass, solid	Not Sold.	88 @ 1 00	@ 1 50	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	@	@	13 @ 16	13 1/2 @ 16
Solder:			@ 7	@ 6 1/2
Sheet Lead	@	@ 7 1/2	@ 6 1/2	@ 6
Lead Pipe	@	@	@	@
Iron:				
I-Beams, up to and including 36 ft.	3 3-10 @ 3 1/2	@ 3 1-10	3 20 @ 3 70	@ 2 8-10
I-Beams, over 30 ft. 1/2 c. advance	3 3-10 @ 3 1/2	@ 3 1-10	3 20 @ 3 70	@ 2 8-10
Channel-Beams	3 3-10 @ 3 1/2	@ 3 1-10	3 20 @ 3 70	@ 2 8-10

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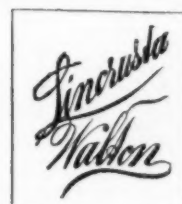


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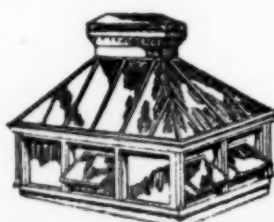
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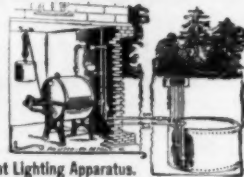
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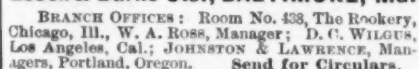
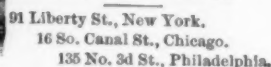


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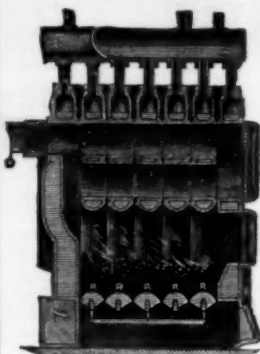
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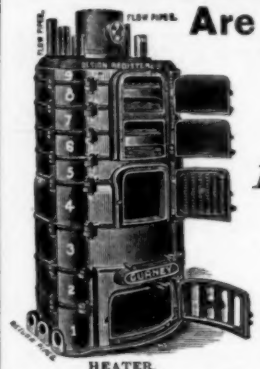


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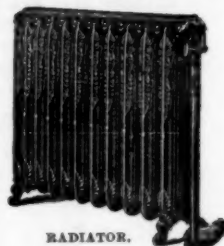
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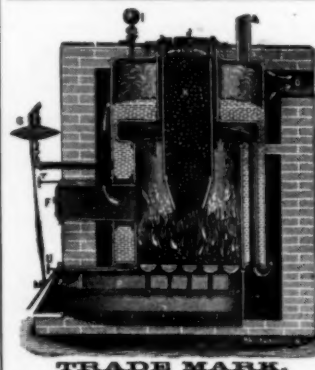
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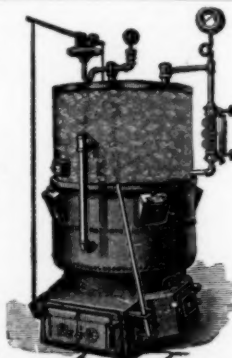
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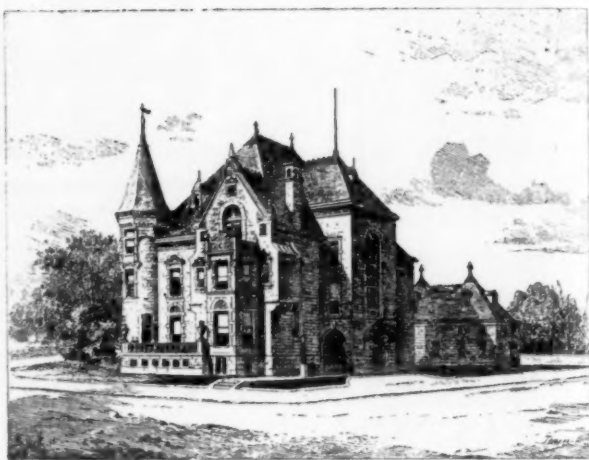
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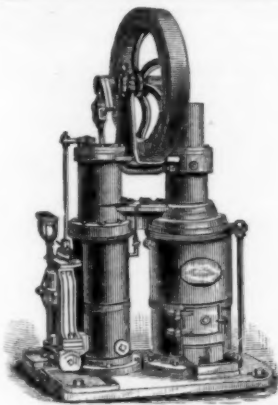
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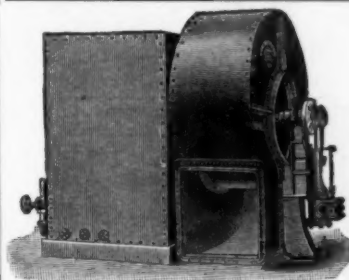
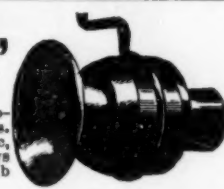
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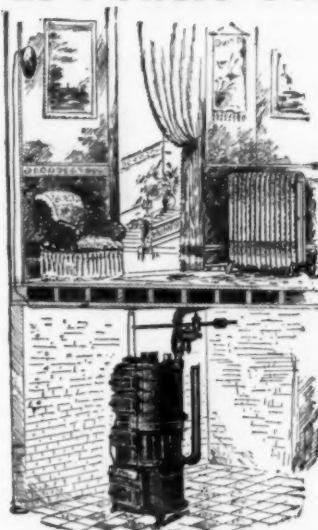
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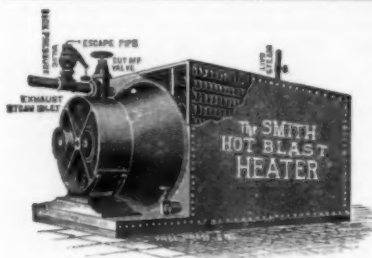
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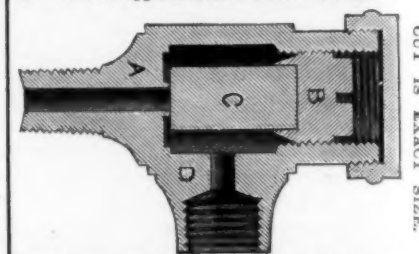
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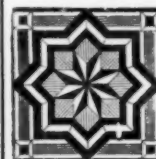
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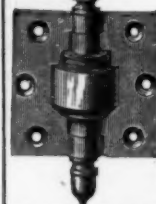
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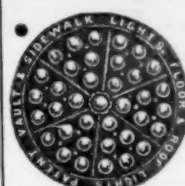
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PIONEER FIREPROOF CONSTRUCTION CO. (Chicago, Ill.), Fireproof Building. Page xxiii.
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(Continued on page xv.)

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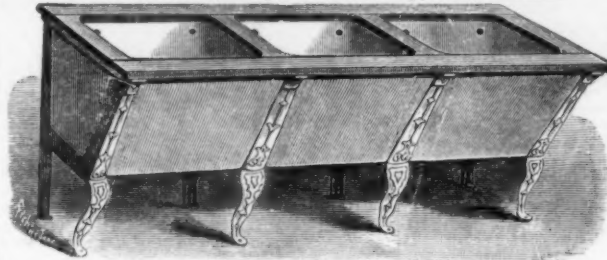
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From Hamburg.—Steamer "Scandia," 100 barrels cement, order.

From Havre.—Steamer "La Bourgogne," 12 packages plaster, Merchants' Despatch Co.

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(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.]

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Smith St., Nos. 184-186, 2 two-sty frame dwell., shingle roofs, raised one story, one-sty brick extension, tin roof, added, internal and other alterations made; cost, \$4,400; owner, Joseph Michaels, 212 Smith St.; architect, Joseph Lee, 341 Baltic St.

Grand St., s. s. 274 1/2 w Lorimer St., three-sty frame store and dwell., tin roof, one-sty frame extension, tin roof, added and internal and other alterations made; cost, \$5,500; owner, A. Schmidt, 538 Grand St.; architect, Th. Engelhardt, 905 Broadway.

Fulton St., Nos. 921-923, 5 three-sty frame stores and dwell., shingle roofs, raised one story and internal and other alterations made; cost, \$10,000; owner, The Lyman Estate, Clinton and Flushing Aves.; architect, E. W. Powell, 429 Waverly Ave.

Chicago, Ill.—South Halsted St. Iron Works, two-sty addition, 2609 Halsted St.; cost, \$2,000.

William Smith, one-sty addition, 263-265 Illinois St.; cost, \$3,500.

New York, N. Y.—Six-sty extension to be built to Rupperts Brewery; architect, Julius Kastner.

APARTMENT-HOUSES.

Cambridge, Mass.—Columbia St., frame apartments, three stories, pitch roof, 26' x 60'; owner, W. F. Dickson; contract to be let; architect, Chas. J. Bateman, Boston.

Chicago, Ill.—Bessie Pierce, three-sty flats, 45 Best Ave.; cost, \$4,500.

George Lyman, three-sty flats, 728 Dana Ave.; cost, \$4,000.

BUILDING INTELLIGENCE.

Louis Stegmiller, three-sty flats, 71 Twenty-fourth Pl.; cost, \$6,000.

Wolf & Mellen, four-sty flats, 364 West Fourteenth St.; cost, \$7,000.

Louis J. Bloom, four-sty flats, 526 West Indiana St.; cost, \$9,000.

Ed. Murphy, three-sty flats, 518 Sixty-third St.; cost, \$7,000.

N. G. Gleason, two-sty flats, 1249 West Polk St.; cost, \$3,300.

M. Brockway, two-sty flats, 6060 Dearborn St.; cost, \$5,500.

Frank K. Noble, two-and-one-half-sty flats, 6457-6459 Dickey St.; cost, \$12,000.

Gus Hulstrom, three-sty flats, 1747 North Clark St.; cost, \$5,000.

P. E. Luney, three-sty flats, 2130 West Huron St.

W. P. Burgess, three-sty flats, 161 South Paulina St.; cost, \$10,000.

J. Buerle, two-sty flats, 1527 Oakdale Ave.; cost, \$4,000.

Mrs. E. Nare, three-sty flats, 1425 Lexington Ave.; cost, \$4,500.

J. C. Carlson, two-sty flats, 4752 Winter St.; cost, \$3,500.

M. D. Harman, 2 two-sty flats, 631 633 Ada St.; cost, \$5,000.

Charles Miller, three-sty flats, 486 Hermitage Ave.; cost, \$4,000.

T. J. Reynertson, 2 three-sty flats, 210-212 Barclay St.; cost, \$10,000.

Eugene G. Hughes, 2 three-sty flats, 6156-6158 Oglesby Ave.; cost, \$15,000.

H. McCormick, 2 three-sty flats, 5124-5126 Union Ave.; cost, \$4,000.

J. W. Boyd, 4 four-sty flats, 6243-6249 Oglesby Ave.; cost, \$40,000.

J. C. Clark, 2 three-sty flats, 2817-2819 Paulina St.; cost, \$15,000.

New York, N. Y.—One Hundredth and One Hundred and First Sts., 100' e Columbus Ave., twelve apartment-houses; owner, Dore Lyon; architect, Charles H. Israels.

Eldridge St., Nos. 145-151, and Delancey St., Nos. 51-53, six-sty apartment-house; owner, Peter Herter; architects, Herter Bros.

CHURCHES.

Atlanta, Ga.—Edifice to cost about \$30,000 is in contemplation by the members of the Christian Church.

Chicago, Ill.—First Reformed Church, church, One Hundred and Seventeenth and Clark Sts.; cost, \$5,000.

Colbrook, N. H.—Frame church, pitch roof, 24' x 60', for Rev. Geo. F. Marshall; architect, Chas. J. Bateman, Boston.

FACTORIES.

Brooklyn, N. Y.—Maujer St., s. s. 25' w Morgan Ave., two-sty frame glass factory and packing rooms, gravel and shingle roof; cost, \$8,000; owner, John N. Huer, on premises; architect, F. J. Berlenbach, Jr., 260 Graham Ave.

Ryerson St., w. s. 155' 9" from Flushing Ave., five-sty brick factory, corrugated iron and cement roof; cost, \$58,000; owners, Morgenthau Linotype Co., Room 89, Tribune Building, New York City; architect, J. West Wagner, 878 Tenth St.

New York, N. Y.—William and Rose Sts., facing Brooklyn Bridge, thirteen-sty factory building, for manufacturing purposes; cost, abt. \$450,000; owner, Manhattan Realty Co.; architect, W. Wheeler Smith.

HOTELS.

Brooklyn, N. Y.—Clinton Ave., e. s. 118' n Green Ave., seven-sty brick hotel, tin roof; cost, \$300,000; owner, The Brooklyn Hotel Co., 69 South Oxford St.; architect, Edward L. Angell, 94 Liberty St., New York City.

HOUSES.

Boston, Mass.—Birch St., near Amherst St., Ward 23, frame dwell., 24' x 30'; owner, Catharine I. Hastings; builders, Hersee Bros.

Leland St., near Burgess St., Ward 23, three-sty frame dwell., flat roof, 23' x 57'; owner and builder, A. D. Gould.

Henshaw St., near Carl St., Ward 23, frame dwell., 29' x 30'; owner, Inez Whittemore; builder, W. S. Mitchell.

Tremont St., near Nonantum St., Ward 25, frame dwell., 20' x 38'; owner, Mrs. Mary Breja; builder, C. I. Prouty.

Bennett St., near Washington St., Ward 23, two-sty frame dwell., hip roof, 25.6' x 57.6'; owner, J. P. Haines; builder, J. F. Haines.

Lawn St., near Heath St., Ward 23, three-sty frame dwell., flat roof, 24' x 46.6'; owner, Michael Sullivan; builder, M. J. Curley.

Tremont Pl., near Cook's Ct., Ward 24, three frame dwell., 24' x 28'; owner, S. B. Pierce; builder, W. J. Jobling.

Conant St., No. 88, cor. Oregon St., Ward 22, three-sty frame dwell. and store, flat roof, 27' x 44'; owner, Thomas O'Leary; builder, Timothy Desmond.

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BUILDING INTELLIGENCE.

*Hyde Park Ave., near Walk Hill St., Ward 23,
three-sty frame dwell., hip roof, 24' x 60'; owner,
Mrs. F. Flanagan; builder, H. H. Sweeney.*
*Cook's Ct., cor. Tremont Pl., Ward 24, frame
dwells., 24' x 28'; owner, S. B. Pierce; builder, W.
J. Jobling.*
Brooklyn, N. Y.—*Pacific St., s. s. 321' e Utica Ave.,
2 two-sty frame dwells., gravel roofs; cost, \$2,000
each; owner, Chas. D. Terry, 1694 Dean St.*
*Skilton St., w. s. 112' s Myrtle Ave., 2 four-sty
brick dwells., tin roofs; cost, \$20,000; owner, Theo.
Van Eupen, 207 Broadway, New York City; archi-
tects, D. Acker & Son, 751 Broadway.*
*Chester St., e. s. 300' n Eastern Parkway, three-
sty frame dwell., tin roof; cost, \$4,000; owner and
builder, Emil Reineking, 41 Bristol St.; architects,
Danmar & Fischer, Atlantic and Van Sien Aves.*
*Twenty-first St., s. s. 125' e Sixth Ave., 7 two-sty
frame dwells., tin roofs; cost, \$2,500 each; owner,
James A. Tucker, 253 Twentieth St.; architect, W.
H. Wirth, 388 Seventeenth St.*
*South Second St., s. s. 25' e Marcy Ave., 2 four-sty
brick dwells., tin roofs; cost, \$5,500 each; owner
and builder, Matthew Beck, 263 Rutledge St.;
architect, Th. Engelhardt, 905 Broadway.*
*Humboldt St., e. s. 100' s Nassau Ave., 2 three-sty
frame dwells., gravel roofs; cost, \$3,000 each;
owner and builder, Charles Engert, 182 Montrose
Ave.; architect, F. J. Berlenbach, Jr., 260 Graham
Ave.*
*Eldert St., s. s. 95' w Evergreen Ave., 7 two-sty
frame dwells., tin roofs; cost, \$2,800 each; owner,
architect and builder, C. N. Raymond, 184 Cornelia
St.*
*Leonard St., e. s. 175' s Greenpoint Ave., four-sty
frame dwell., gravel roof; cost, \$5,500; owners, J.*

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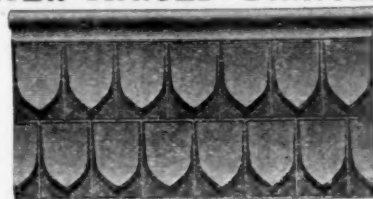


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A. and W. H. Post, Norman Ave. and Russell St.; architect, Fred Weber, 211 Manhattan Ave.
Humboldt St., e. s. 140' s Nassau Ave., 20 two-sty frame dwells., gravel roofs; cost, \$2,000 each; owner and builder, Charles Engert, 182 Montrose Ave.; architect, F. J. Berlenbach, Jr., 260 Graham Ave.
Putnam Ave., s. s. 157' 6" e Bushwick Ave., 2 two-sty frame dwells., tin roofs; cost, \$2,500 each; owner, L. H. Kroder, 1163 Putnam Ave.
Herkimer St., n. s. 93' w Sackman Ave., 2 two-sty frame dwells., tin roofs; cost, \$3,000 each; owner, estate of R. E. Toffing, 7 Murray St., New York City.
Bergen St., n. s. 80' w Utica Ave., 9 two-sty frame dwells., tin roofs; cost, \$1,500 each; owner, architect and builder, C. P. Skelton, 296 Sixth Ave.
Pacific St., s. s. 100' e Rockaway Ave., 3 two-sty frame dwells., tin roofs; cost, \$4,500 each; owner, Francis S. Halsted, 166 Schermerhorn St.
Halsted St., n. s. 80' w Central Ave., three-sty frame dwell., tin roof; cost, \$3,000; owners, architects and builders, L. J. Lippman & Co., 143-145 Weirfield St.
Chicago, Ill.—**Louis Frez, two dwells., 9037 Exchange Ave.; cost, \$4,000.**
E. Wiersmann, five cottages, One Hundred and Third and Jefferson Sts.
Cincinnati, O.—**Mrs. S. D. E. Rice, two-and-one-half-sty double frame dwell., Wehrmann St.; cost, \$6,000; architects, Des Jardins & Hayward.**

BUILDING INTELLIGENCE.

Mrs. J. B. Hill, two-and-one-half-sty frame dwell., Blair Ave.; cost, \$3,850; architect, H. E. Siter.
Detroit, Mich.—**C. B. Ward, 3 two-sty frame dwells., 472-474-476 Boulevard; cost, \$5,500.**
C. E. Secor, four frame dwells., 1115-17-21-25 Hudson Ave.; cost, \$6,000.
J. Parkinson, brick dwells., 316 Warren Ave.; cost, \$3,200.
A. A. Nall, double brick dwell., 857-859 Cass Ave.; cost, \$10,000.
J. W. Ballmar, two frame dwells., 235-239 Warren Ave.; cost, \$5,000.
A. C. Varney & Co., three brick dwells., 91-95 Garfield Ave.; cost, \$14,000; also double brick dwell., 68-70 West High St.; cost, \$6,000.
Thos. Hislop, double brick dwell., 414-416 Third St.; cost, \$5,000.
J. De Mass, brick dwell., 76 Langley Ave.; cost, \$4,000.
Lou Burt, double brick dwell., 137-139 Canfield Ave.; cost, \$10,000.
A. C. Varney & Co., brick dwell., 82 Forest Ave.; cost, \$7,500.
Albert Lemberg, double frame dwell., 978-980 Trumbull Ave.; cost, \$5,000.
Downer Landing, Mass.—**Frame dwell., 36' x 40'; owner and architect, Chas. J. Bateman, Boston; contract to be let.**
Minneapolis, Minn.—**Two-sty brick and stone**

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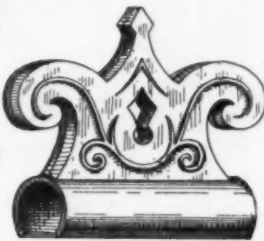
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Bushwick Ave., s e cor. Hart St., four-sty brick
store and dwell., tin roof, cost, \$9,000; owner, Wm.
Mogk, on premises; architect, H. Vollweiler, 483
Hart St.Central Ave., w s, cor. Weirfield St., 4 three-sty
frame stores and dwells., tin roofs; cost, \$3,500 each;
owners, architects and builders, L. J. Lippmann &
Co., 143-145 Weirfield St.Graham Ave., s w cor. Boerum St., four-sty frame
store and dwell., tin roof; cost, \$5,200; owner, Mrs.
A. Wagner, 130 Boerum St.; architect, A. Herbert,
145 Broadway.Meserole St., n e cor. Humboldt St., four-sty frame
store and dwell., tin roof; cost, \$5,500; owner, Frank
Mann, 185 Meserole St.; architect, F. J. Berlenbach,
Jr., 260 Graham Ave.Rockaway Ave., s e cor. Dean St., three-sty frame
store and dwell., tin roof; cost, \$4,500; owner, Sal-
vatore McCue, 201 McLoughlin St.; architect, J.
Mason Kirk, 511 Bainbridge St.Seigel St., Nos. 151-153, 2 four-sty frame stores
and dwells., tin roofs; cost, \$12,000; owner, Thomas
Hanrahan, on premises; architects, D. Acker &
Son, 732 Broadway.Knickerbocker Ave., n e cor. Stanhope St., and
Knickerbocker Ave., s e cor. Himrod St., 2 four-sty
brick stores and dwells., tin roofs; cost, \$9,000 each;
owners, Beers & Schaefer, Flushing Ave.; archi-
tect, Frank Holmberg, 1169 Broadway.Knickerbocker Ave., e s, 50' n Himrod St., and
Knickerbocker Ave., s s, 25' n Stanhope St., 2 four-sty
brick stores and dwells., tin roofs; cost, \$8,000 each;
owners, Beers & Schaefer, Flushing Ave.; archi-
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sty brick store and dwell., tin roof; cost, \$8,000;
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sty brick stores and dwells., tin roofs; cost, \$8,000
each; owners, Beers & Schaefer, Flushing Ave.; archi-
tect, Frank Holmberg, 1169 Broadway.Evergreen Ave., s w cor. Noll St., 4 three-sty
frame stores and dwells., tin roofs; cost, \$3,500 each;
owner, architect and builder, John Rueger, 250
Moore St.Christopher St., n e cor. Belmont St., four-sty
frame store and dwell., tin roof; cost, \$6,000; owner,
J. Jacobs, Belmont Ave.Van Voorhis St., n e cor. Broadway, 4 one-sty
frame stores, gravel roofs; cost, \$1,500 each; owner,
Mrs. C. Stillman, on premises; architect, A. Her-
bert, 145 Broadway.Broadway, s e cor. Schaffer St., 2 one-sty frame
stores, gravel roofs; cost, \$1,500 each; owner, Mrs.
C. Stillman, on premises; architect, A. Herbert, 145
Broadway.Fulton St., n e cor. Elton St., 2 three-sty frame
stores and dwells., tin roofs; cost, \$4,500 each;
owner, Christian Nolte, 54 Jefferson St.; architect,
Th. Engelhardt, 905 Broadway.Narand Ave., e s, 25' n Park Ave., 3 four-sty
brick stores and dwells., tin roofs; cost, \$11,000
each; owner, S. Liebmann's Sons Brewing Co.,
Brehmen St., cor. Forrest St.; architect, Th. En-
gelhardt, 905 Broadway.Noll St., s s, 125' e Hamburg Ave., three-sty frame
store and dwell., tin roof; cost, \$7,500; owner, A.
Webber, 121 George St.; architect, Frank Holmberg,
1169 Broadway.Noll St., s s, 100' e Hamburg Ave., three-sty frame
store and dwell., tin roof; cost, \$7,500; owner, A.
Webber, 121 George St.; architect, Frank Holmberg,
1169 Broadway.Fulton St., s s, 200' n Grand Ave., 3 one-sty brick
stores and offices, tin roofs; cost, \$1,000 each; owner,
J. T. Story; architect, W. H. Gaylor, 110 South
Eighth St.Graham Ave., No. 32, three-sty frame store and
dwell., tin roof; cost, \$5,500; owner, architect and
builder, J. Lichtenstein, on premises.Chicago, Ill. - Laura Carlson, two-sty store and
flat, 1224 Sixty-seventh St.; cost, \$3,000.S. H. Dempsey, 3 two-sty stores and flats, 2835-
2837 Wallace St.; cost, \$10,000.

BUILDING INTELLIGENCE.

venerer dwell., 1126 Fifth St., s e; cost, \$8,000;
owner, J. A. Wright.Two-sty frame dwell., 2300 Aldrich Ave., s; cost,
\$6,000; owner, George Bartlett.New York, N. Y. - Sixtieth and Sixty-first St., 120' w
Madison Ave., a number of private dwells. are to
be built by Edward W. Candee.Providence, R. I. - Point St., s s, two-and-one-half-
sty frame dwell.; owner, Mabel A. Hammerel;
architects, Cady & Stapleton; builder, T. P. Bars-
tow.Brown St., n e cor. Keene St., two-and-one-half-
sty frame dwell.; owner, Geo. W. Butts; archi-
tects, Gould & Angell; builders, Wm. Gilbane &
Bro.Rounds Ave., s s, two frame dwells.; cost, \$2,350
each; owner, John M. Dean; builders, Frank Camp-
bell & Co.St. Louis, Mo. - Three adj. two-sty brick dwells.;
cost, \$9,000; owner, Chas. E. Champ; contractor, J.
Wilkinson.Two-sty brick dwell.; cost, \$2,700; owner, H.
Touey; contractor, C. Riedisseu.Two-sty brick dwell.; cost, \$2,500; owner, P. W.
Connely; contractors, Thielker Bros.Two-sty brick dwell.; cost, \$4,000; owner, H.
Richenbach; contractor, T. F. Marley.Two-sty brick dwell.; cost, \$3,400; owner and con-
tractor, W. Kennedy.Two-sty brick dwell.; cost, \$13,600; owner, E. A.
Sempie; contractors, Goosse & Remmers.Two-sty brick dwell.; cost, \$2,800; owner and
contractor, Jno. Toussaint.Somerville, Mass. - Miner St., frame dwell., 24' x
31'; owner, Francis H. Valentine; builder, C. C.
Emerson.Quincy St., No. 46, frame dwell.; owner and
builder, G. D. B. Robinson.Runey St., near Cross St., frame dwell., 30' x 45';
owner and builder, Mark Leighton.Beacon St., cor. Sacramento St., frame dwell., 25'
x 35'; owner, Catherine Ryan; builder, Mr. Hill.Trail St., abt. No. 81, block of two dwells., 27' x
48'; owner, Maurice Buttemore; builder, John W.
Prevost.Cook St., two frame dwells., 20' x 30'; owner and
builder, James W. Connor.Albion St., near Cedar St., frame dwell., 24' x 30';
owner, S. S. Higgins; builder, A. A. Smith.Worcester, Mass. - Dewey St., three-sty frame
dwell.; owner and contractor, W. A. Robertson.Hancock St., three-sty frame dwell.; owner, Jas.
Hanley; contractors, Lavigne Bros.Milbury St., one-and-one-half-sty frame dwell.;
owner and contractor, Edward F. Smith.

OFFICE-BUILDINGS.

Brooklyn, N. Y. - Van Siclen Ave., s e cor. Fulton
Ave., two-sty frame office-building, tin roof; cost,
\$3,500; owner, architect and builder, Jas. McGur-
gen, 95 Van Siclen Ave.New York, N. Y. - Broadway, s w cor. Twenty-ninth
St., office-building; owner, W. Jennings Demorest.Sixth Ave., s w cor. Fifteenth St., six-sty office-
building, with extension, running through to Fif-
teenth St.; owner, James J. Coogan.Broadway, n w cor. Duane St., ten-sty fireproof
office-building; cost, \$600,000; owner, Weld Estate
of Boston; architect, Wm. H. Hume.

BUILDING INTELLIGENCE.

St. Louis, Mo. - Ten-sty brick office-building; cost,
\$269,200; owner, Rialto Realty Co.; contractors,
Goosse & Remmers.

PUBLIC-BUILDINGS.

Bryan, Texas. - Contract has been awarded to J. M.
Brown, Little Rock, Ark., at \$52,800 for building the
court-house for Brazos County.

RAILROAD BUILDINGS.

Brookline, Mass. - Cypress St., stone station; cost,
\$9,000; for Boston & Albany Railroad; builders,
Norcross Bros.; architects, Shepley, Rutan & Cool-
idge, Boston.Canaan, N. Y. - Stone railroad station; cost, \$9,000;
for Boston & Albany Railroad; builders, Norcross
Bros.; architects, Shepley, Rutan & Coolidge,
Boston.Hinsdale, Mass. - Stone railroad station; cost,
\$9,000; for Boston & Albany Railroad; builders,
Norcross Bros.; architects, Shepley, Rutan & Cool-
idge, Boston.Millbury, Mass. - Stone railroad station; cost,
\$5,100; for Boston & Albany Railroad; builders,
Norcross Bros.; architects, Shepley, Rutan &
Coolidge, Boston.

SCHOOL-HOUSES.

Baltimore, Md. - Baldwin & Pennington have pre-
pared plans for the McCoy Hall Building for
the John Hopkins University, to cost abt. \$75,000.Detroit, Mich. - Brick school-house, 907 Vinewood
Ave.; cost, \$20,000; contractors, W. H. Hollands &
Sons.New York, N. Y. - East Ninth St., Nos. 225-227, four-
sty brick school, tin roof; cost, \$10,000; owner,
Hebrew Technical Institute, 11 East Sixty-seventh
St.; architects, Pickering & Carter, 728 Temple
Court.Spartanburg, S. C. - The main building of Converse
College, recently destroyed by fire, will be rebuilt
at once at a probable cost of \$65,000.

STABLES.

Brooklyn, N. Y. - Meserole St., n s, 60' w Lorimer
St., two-sty brick stable, tin roof; cost, \$5,000;
owner, Joseph Fallert Brewing Co., 86 Lorimer St.;
architect, Fred K. Munder, 99 Broadway.Pacific St., n w cor. East New York Ave., stable,
brick shed, line shed and office, lumber, felt and tin
roofs; cost, \$3,000; owners, Potts & Tussmann,
Vesta and New York Aves., architect, James K.
Morley, 2275 Atlantic Ave.Pacific St., s s, 170' e Sixth Ave., two-sty brick
stable, felt and gravel roof; cost, \$3,000; owner, B.
Garvey, 28 Hanson Pl.; architects, J. D. Reynolds
& Son, 363 Fulton St.North Ninth St., n s, 100' e Kent Ave., one-sty
brick stable, felt and gravel roof; cost, \$3,500;
owner, L. M. Palmer, North Fourth St. and Kent
Ave.; architect, Valentine Wolz, 152 Kent St.Somerville, Mass. - Hancock St., frame stable, 25' x
30'; owner and builder, Chas. S. Roach.

STORES.

Brooklyn, N. Y. - Buffalo Ave., s w cor. Bergen St.,
three-sty frame store and dwell., tin roof; cost,
\$3,500; owner and architect, Geo. F. Van Doane,
346 Macon St.

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ferent nature are given at the time the work is placed
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BUILDING INTELLIGENCE.

Henry Dawson, four-st'y store and flats, 197 North
Halsted St.; cost, \$4,000.
Grame Stewart, 6 four-st'y store and flats, 4307-
4309 Wabash Ave.
H. G. Zechler, two-st'y store and flats, 1479 Cly-
bourne Ave.; cost, \$3,500.
Samuel Page, three-st'y store and flats, 5576 Lake
Ave.; cost, \$5,000.

Detroit, Mich.—Estate of John J. Bagley, 5 five-st'y
brick stores, 19-23 East Larned St.; cost, \$100,000;
architects, Donaldson & Meier.

New York, N. Y.—Sixth Ave., Nos. 235-245, brick,
iron and stone store; owner, Henry Morgenthau;
architects, Buchanan & Deisler.

Avenue B, e s, 49' 6" s Eighteenth St., three-st'y
brick store, tin roof; cost, \$6,000; owner, Thomas E.
Tripler, 244 West End Ave.; architect, Charles
Rentz, 153 Fourth Ave.

Broadway, s w cor. Ninth St., five-st'y brick store,
tin roof; cost, \$70,000; owner, Sailors Snug Harbor,
74 Wall St.; architect, Lester A. Cramer, 637 East
One Hundred and Thirty-seventh St.

Great Jones St., No. 43, six-st'y brick store build-
ing, tin roof; cost, \$35,000; owner, Edward Berniche,
25 Great Jones St.; architects, Graul & Frohne, 215
Bowery.

TENEMENT-HOUSES.

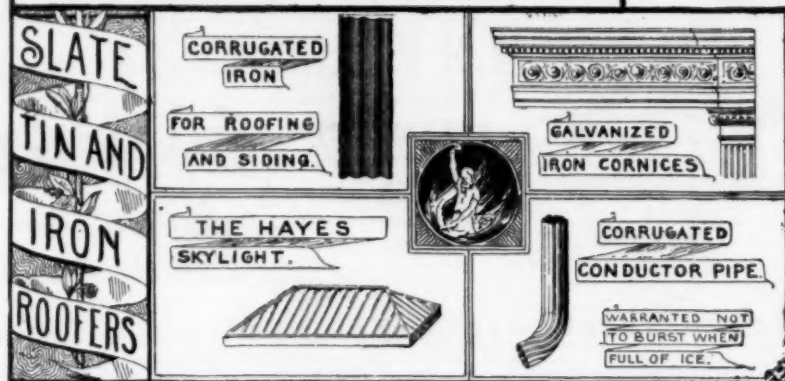
New York, N. Y.—One Hundred and Forty-first St.,
n s, 4 1/2' e Rider Ave., three-st'y brick tenement, tin
roof; cost, \$6,500; owner, Robert Hall, 500 East One
Hundred and Forty-second St.; architect, A. R.
Davis, 2333 Third Ave.

One Hundred and Second St., s s, 270' e First Ave.,
four-st'y brick tenement, tin roof; cost, \$10,000;
owner, John Hunt, 416 East One Hundred and
Second St.; architect, Edward Wenz, 1401 Third
Ave.

One Hundred and Fifty-second St., n s, 25' w Mel-
rose Ave., four-st'y brick tenement, tin roof; cost,

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Roofing

BUILDING INTELLIGENCE.

\$9,500; owner, Michael Busch, 643 East One Hun-
dred and Fifty-second St.; architect, Fred J. Miller,
727 East One Hundred and Sixty-third St.

Bedford St., No. 39, five-st'y brick tenement,
metal roof; cost, \$10,000; builder, E. D. Gurnsey,
132 East Twenty-eighth St.; architects, John B.
Snook & Son, 12 Chamber St.

St. Louis, Mo.—Three-st'y brick store and dwell;
cost, \$12,000; owner, J. Sumaden; contractor, A.
Meglitsch.

Four-st'y brick store; cost, \$17,000; owner, Clara
E. Ruth; contractor, Jos. Guedry.

Worcester, Mass.—Main St., one-st'y store front;
owner, A. G. Esterbrook; architect, J. B. Wood-
worth; day work.

WAREHOUSES.

Brooklyn, N. Y.—Ann St., n s, 300' w Commercial
St., six-st'y brick sugar storage warehouse, felt and
gravel roof; cost, \$50,000; owner and architect,
American Sugar Refining Co., Commercial St.

New York, N. Y.—West Fourth St., Nos. 24-26, six-
st'y brick, iron and stone warehouse; cost, \$75,000;
owner, G. G. Kip; architect, S. A. Warner.

MISCELLANEOUS.

Boston, Mass.—North Ferry Ave., North Ferry Sta-
tion, Ward 2, frame headhouse, 40' x 90'; owner,
City of Boston; builder, H. H. Hunt.

Federal St., rear, No. 223, Ward 12, one-st'y brick
storage, flat roof, 60' x 60'; owner, Hecht Bros. &
Co.; builders, Sampson, Clark & Co.

Brooklyn, N. Y.—Gerry St., No. 66, five-st'y brick
tailor-shop, tin roof; cost, \$3,500; owner, S. Simon, 35
East Broadway, New York City; architect, H. Voll-
weiler, 483 Hart St.

North Tenth St., s s, 75' e Roebling St., two-st'y
frame workshop and engine shed, felt roof; cost,
\$4,000; owner, John Pirke, 160 South Second St.;
architect, John A. Sinclair, 236 Halsey St.

Chicago, Ill.—John Gubbins, three machine-shops,
1132-1138 West Fourteenth St.
Walker, Oakley & Co., four-st'y tannery, 316-318
Elston Ave.; cost, \$14,000.

Fortune Bros., four-st'y storage building, 134 West
Van Buren St.; cost, \$50,000.

BUILDING INTELLIGENCE.

Weather at present and for the past fortnight has
not been favorable for ordinary outside work, and
but little has been done except on such buildings
under contract for an early completion.

F. Kalapra, two-st'y hall and flats, 2035-2037 Forty-
seventh St.; cost, \$7,000.

Detroit, Mich.—Eastern market, 346-386 Russell St.;
cost, \$18,000; also western market, 786-800 Michigan
Ave.; cost, \$24,000; architects, Hess & Roseman.

Woman's Hospital, new wing for Open Door
Society, Forest Ave.; cost, \$20,000; architect, G. W.
Lloyd.

Seven-st'y brick manufactory, 104-106 Jefferson
Ave.; cost, \$86,000; contractors, Martin Scholl &
Sons.

The Wm. Wright Co., brick manufactory, Fort
St., w; cost, \$20,000; architect, Gordon W. Lloyd.

Minneapolis, Minn.—Camp & Walker, three-st'y
brick market house, Sixth St. and Second Ave., n;
cost, \$200,000; architects, Long & Keyes.

PROPOSALS.

January 19, 1892. Sealed proposals will be received
at the office of the Supervising Architect, Treasury
Department, Washington, D. C., until two o'clock
P. M., on the 17th day of February, 1892, for furnish-
ing all the labor and materials required to lay com-
plete the sewer from the United States Court-house,
Post-office, etc., building at Macon, Ga., to the city
sewer, new drain from boiler pit, etc., in accordance
with the drawings and specification, copies of which
may be had on application at this office or the office
of the Custodian. 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 Department will
reject all bids received after the time herein stated
for opening the same, also all bids which do not com-
ply strictly with all the requirements of this invita-
tion. Proposals must be enclosed in envelopes sealed
and marked "Proposal for Sewer, etc., for the United
States Court-house, Post-office, etc., Building at
Macon, Ga.," and addressed to W. J. EDBROOKE,
Supervising Architect.

(Continued on page xx.)

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A perfect sifting of the elements that went to make up the architecture of mediæval Italy is yet to be undertaken, and will require as a preliminary work that of investigating the origin of the Byzantine style and clearly defining it. In the meanwhile every little stone that can be carried to the building may be of some use, especially if it represent honest and careful investigation.

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 early in 1892. 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.

The price will be \$5.00 per part, in all cases payable upon the delivery of the numbers. A deduction of ten per cent will be made if paid in full in advance. After completion, the price will be raised to \$25.00 per set.

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PROPOSALS.

January 15, 1892. Sealed proposals will be received at the office of the Supervising Architect, Treasury Department, Washington, D. C., until 2 o'clock P. M. on the 16th day of February, 1892, for all the labor and materials required for the approaches to the United States Court-house, Post-office, etc., building at Denver, Colo., in accordance with drawings and specification, copies of which may be had at this office or the office of the Superintendent at Denver, Colo. 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 Department will reject all bids received after the time herein stated for opening the same; also, bids which do not comply strictly with all the requirements of this invitation. Proposals must be enclosed in envelopes sealed and marked "Proposal for Approaches to the United States Court-house, Post-office, etc., at Denver, Colo." and addressed to W. J. EDBROOKE, Supervising Architect.

January 16, 1892. Sealed proposals will be received at the office of the Supervising Architect, Treasury Department, Washington, D. C., until 2 o'clock P. M. on the 12th day of February, 1892, for furnishing all the labor and materials required to lay complete the sewer from the United States Post-office, Court-house, etc., building at Baltimore, Md., to Jones's Falls, in accordance with the drawing and specification, copies of which may be had at this office or the office of the Custodian at Baltimore, Md. 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 Department will reject all bids received after the time herein stated for opening the same; also, bids which do not comply strictly with all the requirements of this invitation. Proposals must be enclosed in envelopes sealed and marked "Proposal for Sewer from the United States Post-office, Court-house, etc., building at Baltimore, Md.," and addressed to W. J. EDBROOKE, Supervising Architect.

January 11, 1892. Sealed proposals will be received at the office of the Supervising Architect, Treasury Department, Washington, D. C., until 2 o'clock P. M. on the 9th day of February, 1892, for all the labor and materials required for putting in place complete, the low-pressure, return-circulation, steam-heating and ventilating apparatus for the United States Custom-house and Post-office building at Eastport, Me., 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 Eastport, Me. 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 Department will reject all bids received after the time herein stated for opening the same; also, bids which do not comply strictly with all the requirements and meaning of this invitation. Proposals must be enclosed in envelopes sealed and marked "Proposal for the Low-Pressure, Return-Circulation, Steam-Heating and Ventilating Apparatus for the United States Custom-house and Post-office Building at Eastport, Me.," and addressed to W. J. EDBROOKE, Supervising Architect.

January 12, 1892. Sealed proposals will be received at the office of the Supervising Architect, Treasury Department, Washington, D. C., until 2 o'clock P. M. on the 10th day of February, 1892, for all the labor and materials required for putting in place complete, the low-pressure, return-circulation, steam-heating and ventilating apparatus for the United States Post-office, etc., building at Portsmouth, Ohio, in accordance with drawings and specification, copies of which may be had on application at this office or the office of the Superintendent at Portsmouth, Ohio. 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 Department will reject all bids received after the time herein stated for opening the same; also, bids which do not comply strictly with all the requirements and meaning of this invitation, or upon any heating and ventilating apparatus not satisfactory to this Department. Proposals must be enclosed in envelopes sealed and marked "Proposal for the Low-Pressure, Return-Circulation, Steam-Heating and Ventilating Apparatus for the United States Post-office Building at Portsmouth, Ohio," and addressed to W. J. EDBROOKE, Supervising Architect.

January 11, 1891. Sealed proposals will be received at the Office of the Supervising Architect, Treasury Department, Washington, D. C., until 2 o'clock P. M. on the 9th day of February, 1892, for all the labor and materials required for putting in place complete, the low-pressure, return-circulation, steam-heating

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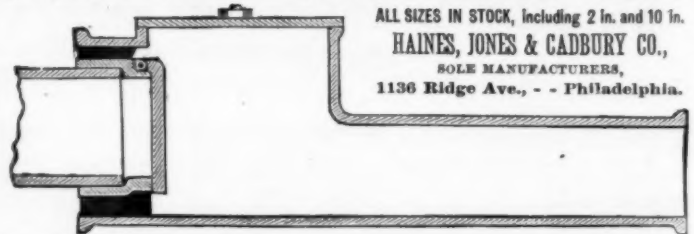
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PROPOSALS.

and ventilating apparatus for the United States Court-house and Post-office building at Statesville, N. C., in accordance with drawing and specification, copies of which may be had on application at this office or the office of the Custodian at Statesville, N. C. 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 Department will reject all bids received after the time herein stated for opening the same; also, bids which do not comply strictly with all the requirements and meaning of this invitation. Proposals must be enclosed in envelopes sealed and marked "Proposal for the Low-Pressure, Return-Circulation, Steam-Heating and Ventilating Apparatus for the United States Court-house and Post-office Building at Statesville, N. C.," and addressed to W. J. EDBROOKE, Supervising Architect.

To Builders. Office of the Light-house Engineer, Third District, Tompkinsville, N. Y., January 6, 1892. Sealed proposals will be received at this office until 12 o'clock, noon, of Thursday, the 28th day of January, 1892, for furnishing the materials and labor of all kinds necessary for the erection and delivery of the Old Orchard Shoal Light-house, 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. Army, Light-house Engineer, Third District.

To Iron Manufacturers. Office of the Light-house Engineer, Third District, Tompkinsville, N. Y., January 6, 1892. Sealed proposals will be received at this office until 12 o'clock, noon, of Thursday, the 28th day of January, 1892, for furnishing the materials and labor of all kinds necessary for the completion and delivery of the metal-work of the Old Orchard Shoal Light-house, 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. Army, Light-house Engineer, Third District.

January 8, 1892. Sealed proposals will be received at the office of the Supervising Architect, Treasury Department, Washington, D. C., until 2 o'clock P. M.

PROPOSALS.

on the 5th day of February, 1892, for all the labor and materials required for the trench excavation, concrete and stone foundations, stone masonry, cut stone and brick work of the basement and area walls, first floor and basement beams and girders, basement columns, etc., for the United States Court-house, and Post-office at Omaha, Nebraska, in accordance with the drawings and specification, copies of which may be had on application at this office or the office of the Superintendent. 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 Department will reject all bids received after the time herein stated for opening the same; also, bids which do not comply strictly with all the requirements of this invitation. Proposals must be enclosed in envelopes sealed and marked "Proposal for the Trench Excavations, Basement and Area Walls, Iron Beams, Columns, etc., for the United States Court-house, Custom-house and Post-office at Omaha, Nebraska," and addressed to W. J. EDBROOKE, Supervising Architect.

January 9, 1892. Sealed proposals will be received at the office of the Supervising Architect, Treasury Department, Washington, D. C., until 2 o'clock P. M. on the 9th day of February, 1892, for all the labor and materials required for the excavation, concrete, stone masonry, cut-stone work and brickwork, iron and wood floor and roof construction, roof covering, approaches, etc., for the United States Post-office, Custom-house, etc., at Jacksonville, Florida, in accordance with drawings and specification, copies of which may be had on application at this office or the office of the Superintendent at Jacksonville, Florida. 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 Department will reject all bids received after the time herein stated for opening the same; also, bids which do not comply strictly with all the requirements of this invitation. Proposals must be enclosed in envelopes sealed and marked "Proposal for the Excavation, Concrete, Stone Masonry, Cut-stone Work and Brickwork, Iron and Wood Floor and Roof Construction, Roof Covering, Approaches, etc., for the United States Post-office, Custom-house, etc., at Jacksonville, Florida," and addressed to W. J. EDBROOKE, Supervising Architect.

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[See Alphabetical Index on page VII for Pagination.]

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Concrete.
Josephus Plenty, New York.....
The Hygienic Concrete Co., New York.....(cow)
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Flynt Building & Construction Co., Palmer, Mass.....
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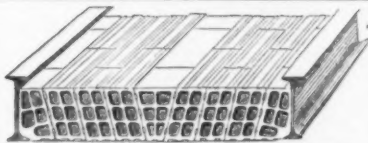
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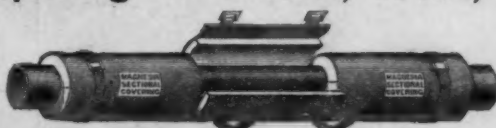
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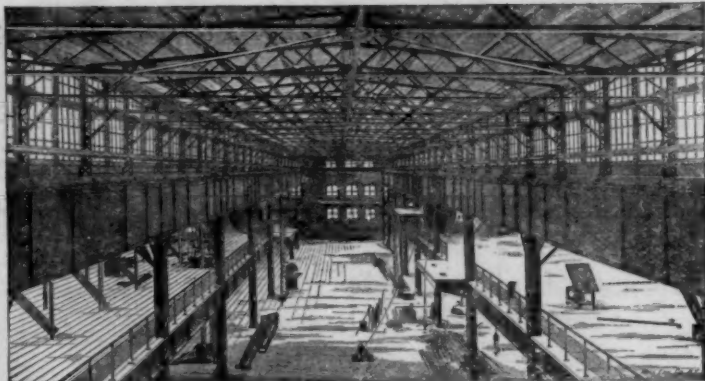
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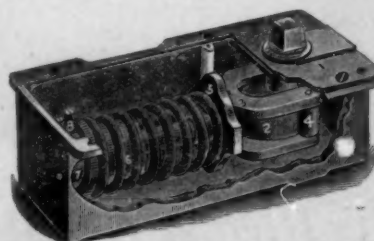
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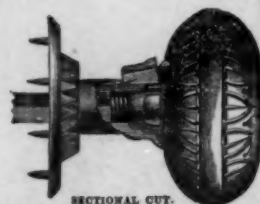


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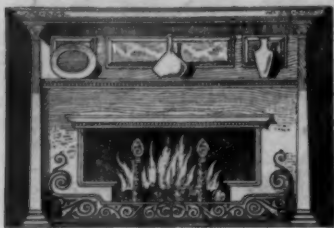
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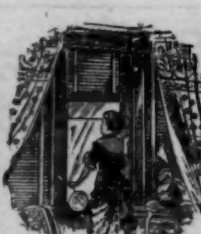
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2 1/2 to 3	5 1/2	2 1/2 to 3	5 1/2	2 1/2 to 3	5 1/2
3 to 3 1/2	6 1/2	3 to 3 1/2	6 1/2	3 to 3 1/2	6 1/2
3 1/2 to 4	7 1/2	3 1/2 to 4	7 1/2	3 1/2 to 4	7 1/2
4 to 4 1/2	8 1/2	4 to 4 1/2	8 1/2	4 to 4 1/2	8 1/2
4 1/2 to 5	9 1/2	4 1/2 to 5	9 1/2	4 1/2 to 5	9 1/2
5 to 5 1/2	10 1/2	5 to 5 1/2	10 1/2	5 to 5 1/2	10 1/2
5 1/2 to 6	11 1/2	5 1/2 to 6	11 1/2	5 1/2 to 6	11 1/2
6 to 6 1/2	12 1/2	6 to 6 1/2	12 1/2	6 to 6 1/2	12 1/2
6 1/2 to 7	13 1/2	6 1/2 to 7	13 1/2	6 1/2 to 7	13 1/2
7 to 7 1/2	14 1/2	7 to 7 1/2	14 1/2	7 to 7 1/2	14 1/2
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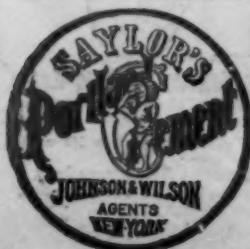
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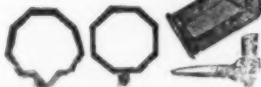
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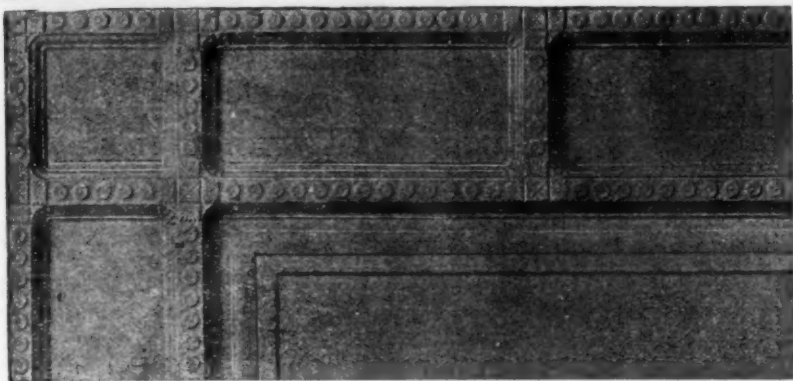
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" 2d quality.....
" 3d quality.....
Spruce.....
Hemlock.....
Yellow pine.....
Cypress.....

Clapboards:

Pine.....
Spruce.....

Framing Timber:

Pine.....
Spruce.....
Hemlock.....
Yellow pine.....

Laths:

Pine.....
Spruce.....

Shingles:

Pine, shaved..... P. M.....
Pine, sawed.....
Spruce, sawed.....
Redwood..... P. M.....
Cedar split..... P. M.....
Cedar sawed.....
Cypress split..... 7 x 24.....

Miscellaneous:

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Chestnut posts.....

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Butternut.....
Hard-pine floors (rift).....
Mahogany, Baywood (Mexican).....
" St. Domingo.....

Maple.....
Oak, red.....
" white.....
" quartered.....
Sycamore quartered.....
Pine, clear.....
Redwood.....
Rosewood.....
Spruce floors (clear, kiln-dried).....
Walnut, black.....
Whitewood.....
Yellow pine..... P. M.....

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65 00 @ 75 00
55 00 @ 60 00
18 00 @ 22 00
25 00 @ 25 00
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20 @ 40
31 00 @ 40 00

14 00 @ 18 00
12 00 @ 16 00
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150 00 @ 160 00
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65 00 @ 75 00
50 00 @ 65 00
60 00 @ 70 00

32 00 @ 35 00
85 00 @ 120 00
40 00 @ 45 00
40 00 @ 42 00

Boston.

(Prices to Builders and Contractors.)

50 00 @ 60 00
42 00 @ 50 00
35 00 @ 40 00
13 50 @ 25 00
13 00 @ 15 00
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38 00 @ 60 00
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18 00 @ 40 00
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(Prices to Builders and Contractors.)

30 00 @ 47 00
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Long Island.....	@	8 00 @ 9 00		Salmon @ 5 00
Up River.....		Domestic Com.	Indiana Pressed	Sq. " @ 9 00
Haverstraw Bay 2d.....	5 00 @	9 50 @ 10 00	14 00 @ 20 00	Light Stretchers
" 1st.....	5 25 @ 5 50	Domestic Face	St. Louis Fronts	Medium " @ 10 00
Hollow.....	@ 13 00	20 00 @ 22 00	@ 27 00	Red " @ 13 00
Fronts:		Philadelphia }		Dark " @ 13 00
Croton, Brown.....	@ 13 00	40 00 @ 45 00		Pressed 18 00 @ 20 00
" dark.....	@ 14 00	Phila. mould }		Best Paving " @ 14 00
" red.....	@ 14 00	50 00 @ 80 00		Second " @ 13 00
Chicago pressed (Anderson).....				Third " @ 12 00
" Moulded.....				Dom. { @ 65
Baltimore.....	37 00 @ 41 00	Anderson		@ 87
Philadelphia.....	23 00 @ 24 00	14 00 @ 32 00		
Trenton.....	22 00 @ 23 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			
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Rosendale Cement.....	1 15 @ 1 20	1 20 @ 1 40	Not sold.	1 30 @ 1 50
Louisville.....	Not sold.	Brooks, S. & Co.	1 05 @ 1 30	BS&Co 2 75 @ 3 00
Utica, Akron, Buffalo, Milw'kee.		2 60 @ 3 00	1 00 @ 1 25	2 85 @ 3 25
Portland, English (Gibbs).....	2 50 @ 3 00	2 60 @ 3 00	2 75 @ 3 25	2 85 @ 3 15
" " (K. B. & S.).....	2 50 @ 3 00	2 60 @ 3 00	3 00 @ 3 25	2 75 @ 3 00
" " Black Cross.....	2 25 @ 2 50	2 60 @ 3 00	3 00 @ 3 25	2 85 @ 3 15
" " (Burnham).....	2 50 @ 2 80	2 60 @ 3 00	2 90 @ 3 15	2 75 @ 2 85
" " (White's).....	2 65 @ 3 00	2 60 @ 3 00	3 00 @ 3 25	
" French (Lafarge).....	3 00 @ 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
" " (Fewer).....	2 25 @ 2 40	3 15 @ 3 35	3 20 @ 3 40	2 75 @ 2 85
" " (Vorwöhler).....	2 50 @ 2 90			
" " (Lagerhofer).....	2 90 @ 3 25	Cleopatra	2 75 @ 3 00	Josson 2 60 @ 2 75
" " (Dyckerhoff).....	2 50 @ 3 00	3 00 @ 3 50	3 25 @ 3 50	3 90 @ 3 25
" " (Hanover).....	2 35 @ 2 85		Not sold.	2 75 @ 2 85
" " Stettin (Anchor).....	2 15 @ 2 45	2 15 @ 2 50	Not sold.	2 70 @ 3 00
" American (Saylor's).....	2 75 @ 3 00	@ 3 00	2 75 @ 3 25	3 00 @ 3 50
Roman.....	5 75 @ 6 50	@ 6 00	6 00 @ 7 00	6 50 @ 7 00
Keene's coarse.....	9 25 @ 10 25	@ 11 50	9 00 @ 10 50	8 00 @ 9 00
" superfine.....				
Lime:				
Lime of Teil.....	3 50 @ 4 00		Not sold.	White Lime P bush 25 @ 30
Hydraulic Lime.....	@ 1 45	@ 1 35	55 @	White Mash 1 25 @ 1 50
Chicago Lime in bulk.....		St. John 1 00	60 @	1 00 @ 1 00
Wisconsin Lime.....	@ 85	@ 1 05	Not sold.	
Rockland and Rockport, (Com.).....	@ 1 00	@ 1 10	Not sold.	
Rockland and Rockport, finish.....	@ 1 20	@ 1 30	1 00 bulk, 75c.	
Kelley Island Lime, finish.....	@ 85	Not sold.	Not sold.	
State, com. cargo rates (nom.).....	@ 1 05	Not sold.	Not sold.	
State, finishing.....	1 20 @ 1 25	1 85 @ 2 00	1 85 @ 1 90	Not sold.
Plaster of Paris (calcined).....	1 30 @ 1 35	@ 2 25	1 85 @ 1 90	1 50 @ 2 25
" (cast).....	16 @ 18	25 @ 30	20 @ 25	1 75 @ 2 50
Hair (Cattle) P bush.....	25 @ 28	@ 30	30 @ 35	20 @ 25
" (Goat).....	1 00 @ 1 25	1 75 @ 1 90	@ 60	30 @ 35
Sand, P load.....				@ 1 50
STONE. (P cubic foot, rough.)				
Granite: (Maine)		@ 60		55 @ 65
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Bedford.....	45 @ 1 25	95 @ 1 00	50 @	Richmond 75 @ 1 50
Joliet.....	@ 1 00		35 @ 55	P Perch @ 4 50
Lemont.....	@		35 @ 60	
Serpentine.....	@	10 50 per ton	@ 1 00	

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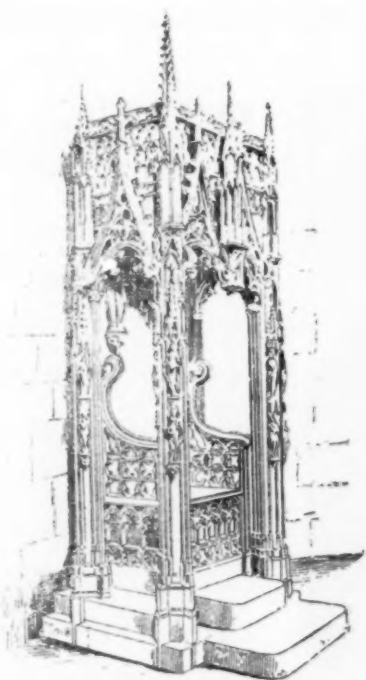
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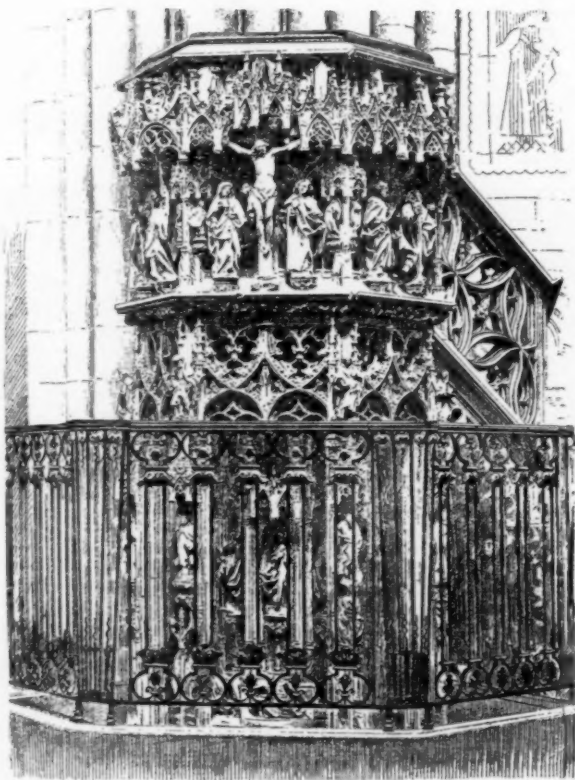
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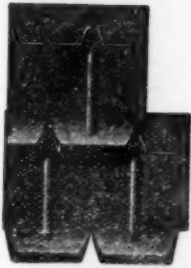
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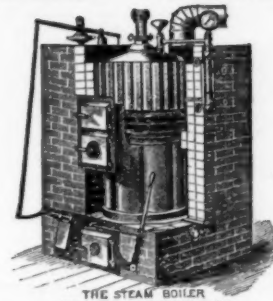
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Dimension		5 00 $\frac{1}{2}$ ton.	20	5 00
Block		4 60 $\frac{1}{2}$ perch.		Conshocken
Rubble		1 25 $\frac{1}{2}$ 1 50	8 50	1 45 $\frac{1}{2}$ 2 50
Bluestone: $\frac{1}{2}$ sq. ft.				
Sidewalk	30 $\frac{1}{2}$ 5 00	40 $\frac{1}{2}$ 1 75	75 $\frac{1}{2}$ 1 00	1 in. th. 10 $\frac{1}{2}$ 25
Planed	50 $\frac{1}{2}$ 6 00	75 $\frac{1}{2}$	50 $\frac{1}{2}$ 1 00	37 $\frac{1}{2}$ 50
Sandstone:				
Longmeadow	80	80 $\frac{1}{2}$ 90		
Kibbe	90	90 $\frac{1}{2}$ 1 10		
Brown (Connecticut)	1 00 $\frac{1}{2}$ 90	1 25 $\frac{1}{2}$ 1 45	1 50 $\frac{1}{2}$ cub. ft.	95 $\frac{1}{2}$ 1 18
Amherst	90 $\frac{1}{2}$ 95	90 $\frac{1}{2}$ 1 00	45 $\frac{1}{2}$ 50	1 05 $\frac{1}{2}$ 1 35
Berea } Ohio	75 $\frac{1}{2}$ 1 00	85 $\frac{1}{2}$ 90	45 $\frac{1}{2}$ 55	55 $\frac{1}{2}$ 1 00
Berlin } Ohio	75 $\frac{1}{2}$ 1 00	80 $\frac{1}{2}$ 90	55 $\frac{1}{2}$ 65	
Belleville	80 $\frac{1}{2}$ 1 25	1 25 $\frac{1}{2}$ 1 35		1 10 $\frac{1}{2}$ 1 00
New Brunswick (Dorchester)	100 $\frac{1}{2}$	75 $\frac{1}{2}$ 90		1 00 $\frac{1}{2}$ 1 00
Caen	100 $\frac{1}{2}$	2 00		1 25 $\frac{1}{2}$ 1 00
Carlisle, English	1 05	1 05		95 $\frac{1}{2}$ 1 00
Corse Hill (Scotch)	1 05	1 05		
Marble: ($\frac{1}{2}$ cu. ft.)				
Lee, Mass.		1 75 $\frac{1}{2}$ 2 50	Not Sold.	2 00 $\frac{1}{2}$ 2 50
Rutland, white and blue		3 00	3 50 $\frac{1}{2}$ 6 00	2 00 $\frac{1}{2}$ 3 00
Sutherland Falls	1 25 $\frac{1}{2}$ 1 75	2 00	3 50 $\frac{1}{2}$ 6 00	1 70 $\frac{1}{2}$ 3 00
Glens Falls, black			Not Sold.	4 00 $\frac{1}{2}$ 4 50
Italian, blue-veined			Not Sold.	2 50 $\frac{1}{2}$ 2 75
" Sienna			Not Sold.	4 00 $\frac{1}{2}$ 5 00
Tennessee, red			Not Sold.	4 00 $\frac{1}{2}$ 6 00
" Knoxville			Not Sold.	3 00 $\frac{1}{2}$ 4 00
Pennsylvania, blue			Not Sold.	2 00 $\frac{1}{2}$ 3 00
Vermont, white			3 50 $\frac{1}{2}$ 6 00	2 25 $\frac{1}{2}$ 3 00
Slate: Roofing ($\frac{1}{2}$ square)				
" green	5 00 $\frac{1}{2}$ 6 00	4 75 $\frac{1}{2}$ 5 25	5 50 $\frac{1}{2}$ 6 10	2 30 $\frac{1}{2}$ 3 00
" unfading	5 00 $\frac{1}{2}$ 6 00	5 50 $\frac{1}{2}$ 6 50	6 50 $\frac{1}{2}$ 7 10	3 25 $\frac{1}{2}$ 3 75
" purple	5 00 $\frac{1}{2}$ 6 00	5 50 $\frac{1}{2}$ 6 50	6 50 $\frac{1}{2}$ 7 10	3 50 $\frac{1}{2}$ 4 50
" red	10 00	10 00 $\frac{1}{2}$ 11 00	12 00 $\frac{1}{2}$ 14 00	7 50 $\frac{1}{2}$ 10 25
" black, Lehigh	4 25 $\frac{1}{2}$ 4 75		6 25 $\frac{1}{2}$ 6 85	1 25 $\frac{1}{2}$ 4 00
" Chapman			7 30 $\frac{1}{2}$ 8 00	00 $\frac{1}{2}$ 4 65
" Unfading black, Monson, Me.	5 50 $\frac{1}{2}$ 8 00	5 50 $\frac{1}{2}$ 8 00	6 00 $\frac{1}{2}$ 9 00	5 50 $\frac{1}{2}$ 8 00
Tiles, Am. $\frac{1}{2}$ M.			Not Sold.	6 00 $\frac{1}{2}$ 25 00
N. Peach Bottom, warranted unfading				
PAINTS. (In Oil $\frac{1}{2}$ lb.)				
White lead, Am.	7 $\frac{1}{2}$ 7 1/2	7 $\frac{1}{2}$ 7 1/2	6 1/2 $\frac{1}{2}$ 7	7 1/2
" zinc	5 $\frac{1}{2}$ 8 1/2	5 $\frac{1}{2}$ 8 1/2	7 $\frac{1}{2}$ 10 1/2	7 1/2
Red lead, Am.	6 1/2 7	7 $\frac{1}{2}$ 7 1/2	6 1/2 $\frac{1}{2}$ 7	7 1/2
" Venetian	6 $\frac{1}{2}$ 10 1/2	7 $\frac{1}{2}$ 12	1 1/2 $\frac{1}{2}$ 2 1/2	7 1/2
" Vermillion	65 $\frac{1}{2}$ 70	70 $\frac{1}{2}$ 75 dry	65 $\frac{1}{2}$ 68	7 1/2
" Indian, Eng.	12 $\frac{1}{2}$ 20	12 $\frac{1}{2}$ 20	12 $\frac{1}{2}$ 20	7 1/2
Yellow Ochre	6 $\frac{1}{2}$ 15	7 $\frac{1}{2}$ 12	3 $\frac{1}{2}$ 15	1 1/2
" Chrome	12 $\frac{1}{2}$ 20	18 $\frac{1}{2}$ 25	15 $\frac{1}{2}$ 25	1 1/2
Green (chrome)	8 $\frac{1}{2}$ 13	8 $\frac{1}{2}$ 20	8 $\frac{1}{2}$ 20	2 1/2
Green, Paris	25 $\frac{1}{2}$ 40	25 $\frac{1}{2}$ 40	18 $\frac{1}{2}$ 35	15 $\frac{1}{2}$ 20
Black, lamp	15 $\frac{1}{2}$ 25	15 $\frac{1}{2}$ 25	8 $\frac{1}{2}$ 30	8 $\frac{1}{2}$ 12
Blue, ultramarine	12 $\frac{1}{2}$ 18	18 $\frac{1}{2}$ 30	12 $\frac{1}{2}$ 25	10 $\frac{1}{2}$ 24
Oil, linseed, (raw)	55 $\frac{1}{2}$ 62	37 $\frac{1}{2}$ 38	57 $\frac{1}{2}$ 60	60 $\frac{1}{2}$ 60
" boiled	58 $\frac{1}{2}$ 65	40 $\frac{1}{2}$ 41	60 $\frac{1}{2}$ 63	60 $\frac{1}{2}$ 63
Turpentine	36 $\frac{1}{2}$ 37	36 $\frac{1}{2}$ 37	51 $\frac{1}{2}$ 51	60 $\frac{1}{2}$ 63
Varnish, coach		1 50 $\frac{1}{2}$ 6 00	1 25 $\frac{1}{2}$ 2 00	1 25 $\frac{1}{2}$ 3 00
Shellac		2 50 $\frac{1}{2}$ 3 00	2 25 $\frac{1}{2}$ 4 00	1 50 $\frac{1}{2}$ 3 00
Putty	2 $\frac{1}{2}$	2 $\frac{1}{2}$ 4	2 $\frac{1}{2}$ 2 1/2	2 $\frac{1}{2}$ 2 1/2
Whiting	75 $\frac{1}{2}$ 1 00	1 $\frac{1}{2}$ 1 1/2	1 $\frac{1}{2}$ 1 1/2	1 $\frac{1}{2}$ 1
Paris white, (Eng.)	1 30 $\frac{1}{2}$ 2 00	2 $\frac{1}{2}$ 3	1 1/2 $\frac{1}{2}$ 2	1 1/2 $\frac{1}{2}$ 2
Litharge, Am.	5 1/2 $\frac{1}{2}$ 6	7 $\frac{1}{2}$ 7 1/2	6 1/2 $\frac{1}{2}$ 7	6 1/2 $\frac{1}{2}$ 7
Sienna (burnt)	14 $\frac{1}{2}$ 20	14 $\frac{1}{2}$ 20	4 $\frac{1}{2}$ 16	4 $\frac{1}{2}$ 14
Umber	14 $\frac{1}{2}$ 20	14 $\frac{1}{2}$ 20	2 $\frac{1}{2}$ 10	2 $\frac{1}{2}$ 13
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10L common	2 25	2 20 $\frac{1}{2}$ 2 40	2 25 $\frac{1}{2}$ 2 35	2 30
Shingle	3 35	2 30 $\frac{1}{2}$ 2 50	2 75 $\frac{1}{2}$	2 30
Lath	4 85	3 20 $\frac{1}{2}$ 3 40	3 65 $\frac{1}{2}$	3 60 $\frac{1}{2}$ 4 75
(Finishing nails according to size.)			Add .85 to \$1.15	per lb. 4 $\frac{1}{2}$ 6
(For casing nails add 75 c. per keg.)			50 to .90	Add per cask
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Acorn, Japanned	1 50	1 90	2 00 $\frac{1}{2}$ 3 75	1 35 $\frac{1}{2}$ 2 75
Ball Tip, Boston Finish (P pair.)	65	50	Not Sold.	48 $\frac{1}{2}$ 50
Bronze metal	1 90	plain 1 65	2 60 $\frac{1}{2}$ 3 25	1 25
Brass (for cupboards)	10	10	12	1 00
Ebony				35
Apple wood				37 $\frac{1}{2}$ 1 00
Knobs: (P set)				
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Lava	50	75	65 $\frac{1}{2}$ 80	Not Sold.
Hematite	Not Sold.	17 $\frac{1}{2}$ 33	31 $\frac{1}{2}$ 40	25 $\frac{1}{2}$ 50
Porcelain	30	10	25 $\frac{1}{2}$ 30	25
Glass, solid	Not Sold.	50	Not Sold.	1 00 $\frac{1}{2}$ 2 50
Glass, silvered	Not Sold.	88 $\frac{1}{2}$ 1 00	50 $\frac{1}{2}$ 1 50	1 75 $\frac{1}{2}$ 2 00
Bronze metal	75 $\frac{1}{2}$ 2 00	50 $\frac{1}{2}$ 3 00	50 $\frac{1}{2}$ 3 00	50 $\frac{1}{2}$ 3 50
Brass	1 00 $\frac{1}{2}$ 2 50	50 $\frac{1}{2}$ 3 00	1 00 $\frac{1}{2}$ 3 00	75 $\frac{1}{2}$ 1 25
Solder:				
Sheet Lead		7 1/2	7	13 1/2 $\frac{1}{2}$ 16
Lead Pipe		6 1/2	6 1/2	6 $\frac{1}{2}$ 6 1/2
Iron:				
I-Beams, up to and including 36 ft.	3 3-10 $\frac{1}{2}$ 3 1/2	3 1-10	3 20 $\frac{1}{2}$ 3 70	2 8-10
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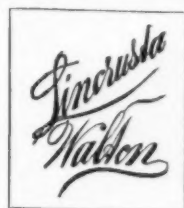
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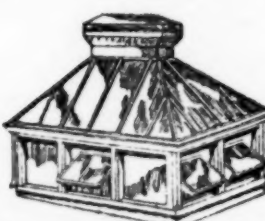
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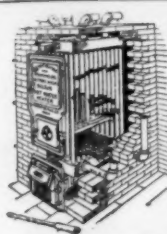
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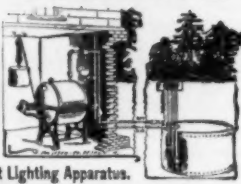
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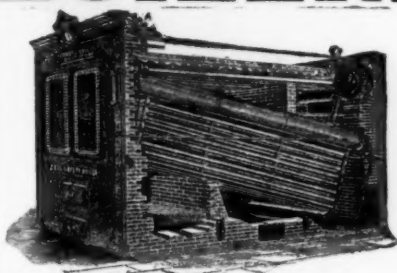
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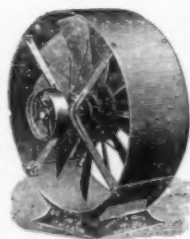
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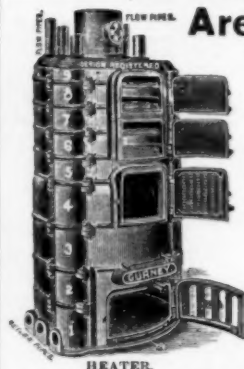
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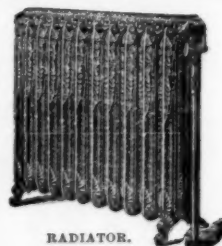
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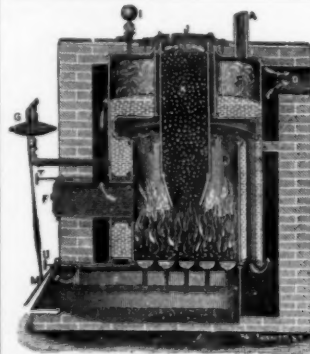
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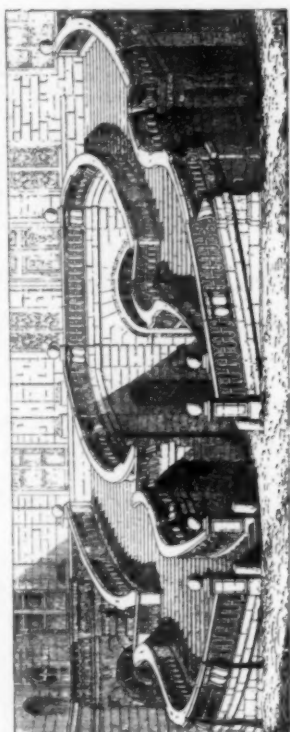
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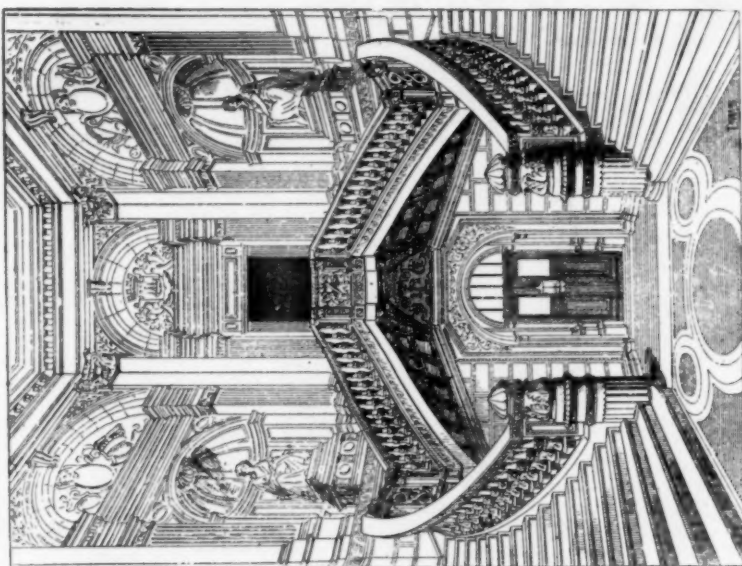
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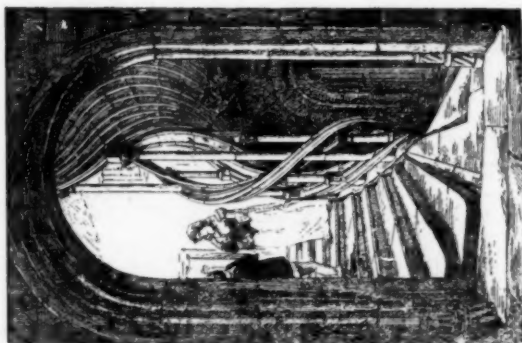
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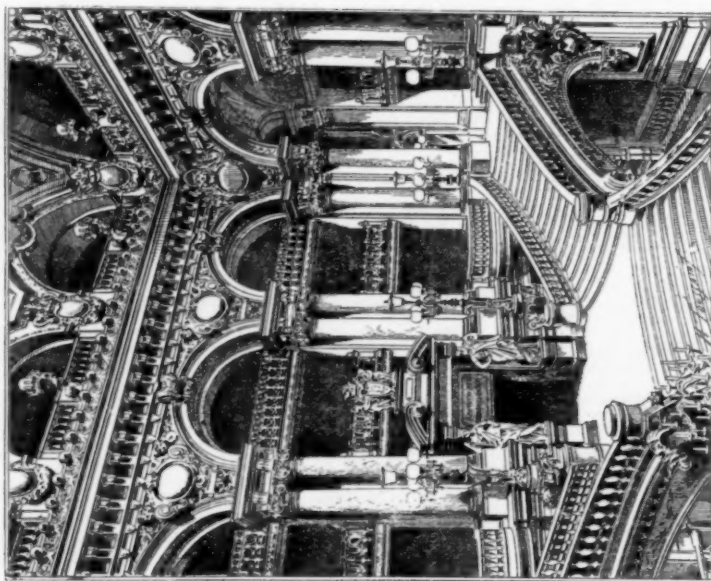
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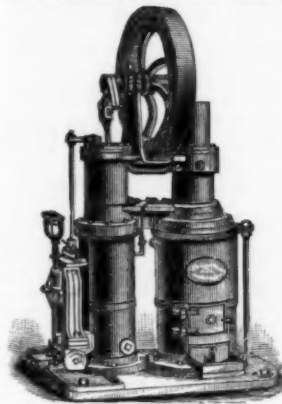
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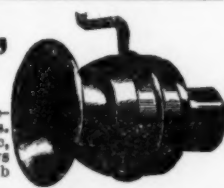


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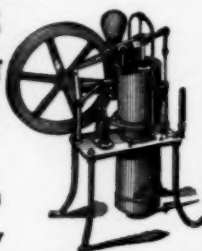
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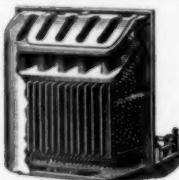
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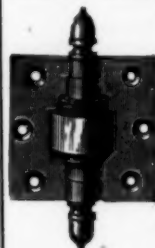
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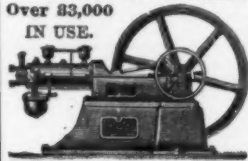
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New Advertisements.

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From Bremen.—Steamer “Geierich,” 3,850 casks asphaltum, Chas. W. Saacke; 13 casks brown stone, Roessler & Hasselacher. Steamer “Ida,” 600 casks cement, order.
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From Gottenburg.—Bark “Competitor,” 6,500 pieces of stone, order.
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From Hull.—Steamer “Francisco,” 61 casks bricks, Brown Bros. & Co.; 211 do., Meeker & Carter.
From La Brea, Trinidad.—Brig “Waubun,” 218 tons asphalt, 272 do., order.
From Leghorn.—Bark “L. W. Norton,” 53 blocks marble, 468 marble slabs, Pells & Co.
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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.

Camden, N. J.—Chestnut St., bet. Ninth and Tenth (Continued on page xvii.)

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Sta., alterations to two frame dwells.; builder, Jas. Williams, 327 Kaighn Ave.
Carpenter St., cor. Tenth St., alteration to store; owner, Geo. Swope.
Florence St., No. 817, alterations to dwell.; owner, Fred L. Roemer, 817 Florence St.
Chicago, Ill. — A. Strong, one-st'y addition, 183-187 Fifth Ave.; cost, \$10,000.
Dorchester, Mass. — Addition of transept and chancel to St. Mary's Church; contract to be let; architects, Hartwell & Richardson, Boston.
New York, N. Y. — Lexington Ave., s e cor. Twenty-ninth St., five-st'y brick flat, extension and internal alterations; cost, \$10,000; owner, Jas. W. Ketcham, 125 East One Hundred and Sixth St.; architect, Thos. S. Godwin, 211 West Fifty-eighth St.
South Fifth Ave., No. 15, four-st'y brick dwell., extension; cost, \$3,000; owner, Alexander Loppin, 225 West Fourth St.; architect, Theo. Commean, 551 Hudson St.
Greenwich Ave., Nos. 86-88, three-st'y brick dwell., internal alterations; cost, \$3,000; owner, Wm. C. Rhinelander estate, 155 West Fourteenth St.; architect, Charles Rentz, 153 Fourth Ave.
East Sixtieth St., No. 47, four-st'y brick dwell., extension and interior changes; cost, \$5,000; owner, J. Sackett Moore, Fifty-second St. and Fifth Ave.; architects, C. Graham & Co., 1236 Madison Ave.
West Eighty-fifth St., No. 156, two-st'y brick dwell., raised to three stories, extension, etc.; cost, \$5,000; owner, Mary Walbridge, 520 Tenth St., Brooklyn; architect, W. J. Conway, cor. Third Ave. and Sackett St., Brooklyn.
Oliver St., Nos. 100-102, 2 two-st'y brick dwells., raised to three stories, with interior changes; cost, \$6,000; owner, Max Levy, 169 Madison St.; architect, Fred Ebeling, 3 First Ave.
West Eighteenth St., Nos. 236-238, five-st'y brick store, raised to five stories, with interior alterations; cost, \$5,000; owners, Bavarian Brewing Co., 227 West Eighteenth St.; architects, Weber & Drosser, Bible House, Eighth St. and Fourth Ave.
John St., No. 100, four-st'y brick store, one story added, one-st'y extension, internal alterations, etc.; cost, \$3,000; owner, John Davol estate, 384 Washington Ave.; architect, Wm. B. Tubby, 8 Fulton St.
Sixth Ave., w s, 70' n Eighteenth St., three-st'y brick store, extension and interior changes; cost, \$3,500; owner, E. L. Malcolm Bristol, 373 West End Ave.; architects, Buchanan & Deisler, 8 West Twenty-ninth St.
Broadway, No. 737, seven-st'y brick store, internal alterations; cost, \$3,000; owner, F. R. Jones, 21 East Eleventh St.; architects, Morton & Chesley.
One Hundred and Fifteenth St., n s, 244' e Pleasant Ave., one-st'y brick factory, extension; cost,

BUILDING INTELLIGENCE.

\$8,000; owners, Standard Gas-light Co., 2 Courtlandt St.; architects, D. & J. Jardine, 1262 Broadway.
Beckman St., s e cor. Nassau St., eight-st'y brick office-building, internal alterations; cost, \$10,000; owners, Wm. K. and Cornelius Vanderbilt, Fifty-first and Fifty-seventh Sts., n w cor. Fifth Ave.; architects, McKim, Mead & White, 1 West Twentieth St.
Second and Third Aves., bet. Sixty-fifth and Sixty-sixth Sts., remodelling Third Ave. Railroad Co.'s Depot for power-house; cost, abt. \$500,000; architect, Albert Wagner.
Norristown, Pa. — East Main St., No. 60, exterior and interior alterations to dwell.; owner, Henry E. Elston, 149 West Main St.
East Main St., Nos. 86-88, alterations of dwells. into stores; owner, J. Cloud Smith.
Philadelphia, Pa. — Girard Ave., s w cor. Twelfth St., addition to hall; contractor, H. G. Schultz, 2633 Germantown Ave.
Cherry St., n w cor. Twenty-third St., alterations to building; owners, Damon Safe and Vault Iron Works, Boston, Mass.; architects, Moses & King, 431 Walnut St.
Lehigh Ave., s e cor. Fourth St., three-st'y annex to hotel; owner, John Frieling, on premises.
Walpole, Mass. — Additions to Truant School; builders, Granville & D. W. Thomas; architect, S. S. Woodcock, Boston.
APARTMENT-HOUSES.
Boston, Mass. — Boylston St., No. 903, Ward 11, four-st'y brick apartments, flat roofs, 24.11' x 90'; owner, E. B. Horn; builder, D. L. Rand.
Chicago, Ill. — Michael Borge, three-st'y flats, 244 West Division St.; cost, \$6,000.
Henry Schenk, two-st'y flats, 1430 Lexington Ave.; cost, \$6,000.
Rudolph Ramsey, three-st'y flats, 540 West Erie St.; cost, \$3,500.
Mary E. Bundy, four-st'y flats, 3333 State St.; cost, \$7,000.
S. Nakihian, two-st'y flats, 593 Warren Ave.; cost, \$3,200.
C. E. Freesle, two-st'y flats, 72 Bosworth St.; cost, \$3,500.
C. E. Follensbee, two-st'y flats, 5414 Dearborn St.; cost, \$80,000.
D. E. Evans, 2 three-st'y flats, 6146-6118 Oglesby Ave.; cost, \$18,000.
Nels Johnson, three-st'y flats, 4544 St. Lawrence Ave.; cost, \$4,500.
Frank B. Laws, 3 four-st'y flats, 288-232 Fifty-fifth St.; cost, \$30,000.

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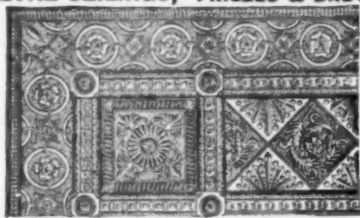
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Thomas Higgins, two-st'y flats, 1419 Lexington Ave.; cost, \$3,000.

J. W. Tomlin, four-st'y flats, 6310 Madison Ave.; cost, \$10,000.

Carl Steeck, three-st'y flats, 1214 Lincoln Ave.; cost, \$6,000.

Mayer Lower, 2 three-st'y flats, 6641-6643 Cottage Grove Ave.; cost, \$12,000.

Peter Chur, two-st'y flats, 895 Spaulding Ave.; cost, \$3,500.

Peter Toomey, three-st'y flats, 315 West Thirtieth St.; cost, \$5,800.

Lewis Theilman, 2 two-st'y flats, 3316-3318 Laurel St.; cost, \$8,000.

John Ross, two-st'y flats, 1267 Armitage Ave.; cost, \$4,100.

W. H. Dymond, two-st'y flats, 1623 Fulton St.; cost, \$3,500.

Henry Hellbauer, two-st'y flats, 1121 Southport Ave.; cost, \$3,000.

Alman Bros., two-st'y flats, 199 Ninety-fifth St.; cost, \$3,000.

Gustone Nullstrom, three-st'y flats, 2747 North Clark St.; cost, \$3,000.

Minneapolis, Minn.—Mrs. Wm. S. King, three-st'y brick flat and stores, 423-25-27-29-31 Washington Ave., n; cost, \$38,000.

New York, N. Y.—First Ave., 1027 21st St. Eighty-fourth St., five-st'y brick flat, tin roof; cost, \$22,000; owner, John Schirmer, Jr., 104 West One Hundred and Twenty-third St.; architect, John Hauser, 1441 Third Ave.

Pitt St., No. 25, five-st'y brick flat, tin roof; cost, \$24,000; owner, Ferdinand Wingens & Co., 910 Second Ave.; architect, Charles Rentz, 153 Fourth Ave.

One Hundred and Thirty-first St., n s, 125th e Fifth Ave., 2 five-st'y brick flats, tin roof; cost, \$50,000; owner, William J. Forbes, 538 East Eighty-third St.; architect, John Hauser, 1441 Third Ave.

Park Ave., s w cor, One Hundred and Seventy St., five-st'y brick flat, tin roof; cost, \$25,000; owners, Boyle & Bannon, 3 East One Hundred and Fifth St.; architect, John C. Burne, 1531 Third Ave.

One Hundred and Seventh St., s s, 25th w Park Ave., 2 five-st'y brick flats, tin roofs; cost, \$36,000; owners, Boyle & Bannon, 3 East One Hundred and Fifth St.; architect, John C. Burne, 1531 Third Ave.

One Hundred and Seventh St., s s, 75th w Park Ave., five-st'y brick flat, tin roof; cost, \$20,000; owners, Boyle & Bannon, 3 East One Hundred and Fifth St.; architect, John C. Burne, 1531 Third Ave.

Eighty-ninth St., s s, 257th w Avenue A, 2 five-st'y brick flats, tin roofs; cost, \$34,000; owner, James J. Jones, 430 East Eighty-ninth St.; architect, Edward Wenz, 1491 Third Ave.

One Hundred and Twentieth St., s s, 155th e Seventh Ave., five-st'y brick flat, tin or plastic slate roof; cost, \$16,000; owner, Jos. S. Judge, 66 East Ninety-third St.; architect, F. T. Camp, 177 Broadway.

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Fifth Ave., 2 five-st'y brick flats, tin roofs; cost, \$42,000; owner, Andrew Judge, One Hundred and Sixty-fourth St. and St. Nicholas Ave.; architect, John C. Burne, 1531 Third Ave.

Market St., No. 29, five-st'y brick flat, tin roof; cost, \$20,000; owners, Fay & Staecom, 337 Pleasant Ave.; architect, Charles Rentz, 153 Fourth Ave.

Henry St., No. 28, five-st'y brick flat, tin roof; cost, \$22,000; owner, John V. Campbell, 426 West Twenty-seventh St.; architect, M. V. B. Fordon, 272 West Thirty-fourth St.

Third Ave., Nos. 458-460, five-st'y brick flat, tin roof; cost, \$20,000; owner, Jacob Schmitt, 971 Lexington Ave.; architect, Charles Rentz, 153 Fourth Ave.

One Hundred and Fifteenth St., s s, 100th e Third Ave., 2 five-st'y brick flats, tin roofs; cost, \$36,000; owners, Sauer & Gross, 548 East Eighty-seventh St.; architect, Frank Wennemer, 204 East Eighty-sixth St.

Bradhurst Ave., n e cor, One Hundred and Forty-seventh St., five-st'y brick flat, tin roof; cost, \$18,000; owner, Valeske Meyer, 319 East One Hundred and Twenty-fifth St.; architect, Andrew Spence, 163 East One Hundred and Twenty-fifth St.

West One Hundred and Twenty-fifth St., s s, 125th w Amsterdam Ave., 5 five-st'y brick flats, tin roofs; cost, \$66,000; owner, Geo. A. Smith, 2236 Seventh Ave.; architect, Charles Sidney, 250 West One Hundred and Twenty-fifth St.

East Houston St., Nos. 244-250, 4 five-st'y brick flats, tin roofs; cost, \$80,000; owner, estate Benjamin R. Winthrop, 20 Union Square; architects, J. Boekell & Son, 54 Bond St.

Park Ave., w s, 75th 11th s One Hundred and Sixty-seventh St., five-st'y brick flat, tin roof; cost, \$18,000; owners, Boyle & Bannon, 3 East One Hundred and Fifth St.; architect, John C. Burne, 1531 Third Ave.

Sixty-fifth St., s e cor, Grand Boulevard, five-st'y brick flat, tin roof; cost, \$40,000; owner, William M. Walsh, Williamsbridge, N. Y.; architect, R. R. Davis, 247 West One Hundred and Twenty-fifth St.

Park Ave., w s, 68th e Ninety-third St., five-st'y brick and stone flats; cost, \$25,000; owner, J. G. W. Feldman; architect, Edward Wenz.

One Hundred and Thirty-fourth St., s s, 210th e Lenox Ave., 3 five-st'y brownstone flats; cost, \$78,000; owner, Louis Worby; architect, John Hauser.

One Hundred and Thirty-fifth and One Hundred and Thirty-sixth St., 181st w Willis Ave., 3 five-st'y brick and stone flats and stores; cost, \$51,000; owner, Hermann Schmuck; architect, Edward Wenz.

CHURCHES.

Florence, S. C.—The Baptists contemplate building a church, to cost about \$10,000.

Lambertville, N. J.—Protestant Episcopal Church of St. John, Gothic style, Stockton stone; cost, abt. \$45,000; architect, Mr. Edwin F. Durang, 1200 Chestnut St., Philadelphia, Pa.

BUILDING INTELLIGENCE.

Ocala, Fla.—The Methodists (colored) will build a church, to cost \$10,000.

FABRICATORIES.

Brooklyn, N. Y.—Withers St., s s, 275th e Union Ave., 2 three-st'y frame factories, felt and gravel roofs; cost, \$4,000; owner, E. Reed Burns, 249 Front St., New York City; architect, S. Burridge Reed, 245 Broadway, New York City.

Cambridgeport, Mass.—Brick soap-factory, 43rd x 99th; owner, Curtis Davis; builder, L. P. Soule; architects Hartwell & Richardson Boston.

New York, N. Y.—Mott St., Nos. 128-130, seven-st'y brick factory, concrete roof; cost, \$70,000; owner, Augustus Melts, 89 Elizabeth St.; architects, De Lemos & Cordes, 146 Broadway.

Thirty-fourth St., n s, 325th e Eleventh Ave., six-st'y brick factory, tin or star roofing; cost, \$20,000; owner, Ferdinand Schaeffler, 245 West One Hundred and Thirty-eighth St.; architects, D. & J. Jardine, 1262 Broadway.

Main St., 1500th n Westchester Ave., one-st'y brick factory, peak Bangor slate roof; cost, \$33,000; owners, Harlem Bridge, Morrisania, and Fordham Railway, 127 Willis Ave.; architect, Lucien H. McIntire, 172 Willis Ave.

Barter St., Nos. 96-98, four-st'y brick factory, tin roof; cost, \$8,500; owner, John Hooper, 63 Centre St.; architect, Herman Horenburger, 99 East Third St.

East Nineteenth St., No. 206, five-st'y brick factory, tin roof; cost, \$15,000; owner, Stuyvesant Fish, 20 Gramercy Park; architect, Chas. H. Israels, 90 Nassau St.

Philadelphia, Pa.—Garden St., bet. Noble and Buttonwood Sts., factory; owners, Lazarus, Schwartz & Lipper; contractor, Jacob Wenzelberger, 1220 Filbert St.; architect, Henry D. Dagit, 122 South Second St.

Indiana, Fillmore, Front and Tusculum Sts., six-st'y brick factory; owners, Hoyle, Harrison & Kaye; architect, W. H. Geissinger, Chestnut St., cor. Twelfth St.

HOUSES.

Atlantic City, N. J.—Frank A. Souder has the contract to build a cottage, at a cost of \$3,500, for Dr. Lewis Souder.

Beechwood Heights, N. J.—A dwell., to cost abt. \$10,000, will be built for Miss Mira Force; architect, Horace Trambaur, 310 Chestnut St., Philadelphia.

Binghamton, N. Y.—Frame dwell., 40th x 48th; owner, J. M. Johnson; contract to be let; architects, Hartwell & Richardson, Boston.

Boston, Mass.—Parker Hill Ave., near Hillside St., Ward 22, frame dwell. and sanitarium, 32nd x 40th; owner, E. W. Cushing; builder, G. W. Pope.

Granville St., near Beech St., Ward 23, frame

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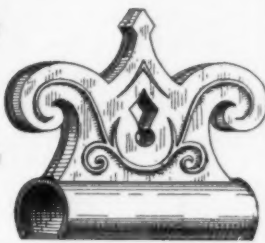
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dwelling, 24' x 32'; owner and builder, P. D. McDonald.

Richfield St., opp. Richfield Park, Ward 24, frame dwelling, 26' x 35'; owner and builder, G. L. Davidson.

East Fifth St., No. 582, Ward 14, three-sty frame dwelling, flat roof, 22' x 63.4'; owner and builder, W. T. Eaton.

Burney St., No. 5, Ward 22, three-sty frame dwelling, flat roof, 26.6' x 45'; owner, T. O'Leary; builders, Pierce Bros. & Campbell.

Finson St., near Park St., Ward 24, frame dwelling, 24.2' x 32.2'; owners, J. M. E. Morrill and C. H. Het; builder, J. M. E. Morrill.

Popliff St., near Homes Ave., Ward 24, frame dwelling, 22.6' x 31'; owner, Sarah Kellar; builder, J. H. Kellar.

Moore St., near Homer St., Ward 1, two frame dwellings, flat roofs, 22' x 31'; owner and builder, J. G. Martin.

Heath St., near Richford St., Ward 22, three-sty frame dwelling, 22' x 32'; owner, Chas. Blocker; builders, R. D. Ward & Co.

Hemlock St., near Washington St., Ward 23, frame dwelling, 22' x 48'; owner, D. W. McKenney; builder, S. H. Whitaker.

South Walter St., cor. Roberts St., Ward 23, frame dwelling, 21' x 32'; owner and builder, J. M. Brown.

Dean Ave., near Howard Ave., Ward 20, three-sty frame dwelling, flat roof, 24' x 45'; owner, J. A. Mahon; builder, John Mahon.

South Walter St., near Roberts St., Ward 23, frame dwelling, 21' x 32'; owner and builder, J. M. Brown.

Roberts St., near South Walter St., Ward 23, frame dwelling, 21' x 32'; owner and builder, J. M. Brown.

Hawthorne Ave., near Washington St., Ward 21, three-sty frame dwelling, flat roof, 25.6' x 48'; owner, B. B. Smith estate; builder, Peter Hutcherson.

Huntington Ave., near Richards Ave., Ward 23, frame dwelling, 24' x 38'; owner and builder, P. A. Anderson.

Bears Ave., near Butler St., Ward 24, frame dwelling, 28' x 38.6'; owner, Duncan McIsaac; builder, James Pope.

Leroy St., near Geneva Ave., Ward 24, frame dwelling, 23' x 40'; owner, F. J. Libbey; builder, L. J. Gillis.

Chipman St., near Torrey St., Ward 24, three-sty frame dwelling, flat roof, 25.4' x 46.6'; owner, John D'Arcy; builders, Matthias Smith & Griffin.

Paul Gore St., near Centre St., Ward 23, three-sty frame dwelling, hip roof, 24.4 x 45'; owner, W. Casey; builder, W. Curley.

Brookline, Mass.—Seaver Road, frame dwelling, 65' x 100'; owner, George R. Harris; contract to be let; architects, Hartwell & Richardson, Boston.

Summer Road, cor. Clinton St., frame dwelling, 31' x 67'; owner, Charles Fuller; contract to be let; architects, Hartwell & Richardson, Boston.

Brooklyn, N. Y.—Forty-second St., s. s. 290' e Third Ave., 2 three-sty frame dwellings, tin roofs; cost, \$2,800 each; owner, Chas. H. Hart, Forty-third St., bet. Third and Fourth Aves.; architects, H. L. Spicer & Son, Third Ave. and Fifty-third St.

Hancock St., s. s. 101' w Central Ave., 6 two-sty frame dwellings, tin roofs; cost, \$2,500 each; owner and builder, Edward F. Spear, 183 Patchen Ave.

Graham Ave., s. s. 50' s Frost St., three-sty frame dwelling, tin roof; cost, abt. \$4,000; owner, Wilhelm Storm, 439 Graham Ave.; architect, Paul Flehl, 240 Nassau Ave.

Grattan St., n. s. 125' e Morgan Ave., 2 three-sty frame dwellings, tin roofs; cost, \$8,000; owners and builders, Kleinklaus & Hestermann, 71 Morgan Ave. and 807 Park Ave.

Butler St., s. s. 150' e Brooklyn Ave., 2 two-sty brick dwellings, tin roofs; cost, \$5,000 each; owner, C. W. Tuttle, 425 West Fifty-seventh St., New York

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City; architects, King & Symonds, 5 Beekman St., New York City.

Herkimer St., n. s. 35' 6" e Hopkinson Ave., two-sty brick dwelling, felt and gravel roof; cost, \$3,200; owners, James and George Potts, 2297 Pacific St.; architects, A. Gordon and E. Neuschler, 2068 Fulton St.

Herkimer St., n. s. 50' e Hopkinson Ave., 2 two-sty brick dwellings, felt and gravel roofs; cost, \$3,500 each; owners, James and George Potts, 2297 Pacific St.; architects, A. Gordon and E. Neuschler, 2068 Fulton St.

Nostrand Ave., e. s. 200' s Park Ave., four-sty brick dwellings, tin roof; cost, \$10,000; owner, H. Killian, 28 Floyd St.; architect, Frank Holmberg, 1169 Broadway.

Oakland St., w. s. 140' 6" n Driggs St., 2 three-sty frame dwellings, cement and gravel roofs; cost, \$5,200; owners, Wm. H. and Mary F. Fenwick, 534 Leonard St.; architect, Wm. H. Fenwick, 534 Leonard St.

Prospect Pl., n. s. 300' e Nostrand Ave., 3 three-sty brick dwellings, tin and slate roofs; cost, \$5,000 each; owner, John Gay, 738 St. Mark's Ave.; architects, Langston & Dahlender, 1239 Bedford Ave.

Barbey St., w. s. 204' 6" n Arlington Ave., 3 two-sty frame dwellings, shingle roofs; cost, \$3,000 each; owner, architect and builder, W. D. Losee, 260 Arlington Ave.

Jefferson St., s. s. 100' e Knickerbocker Ave., 5 three-sty frame dwellings, tin roofs; cost, \$4,500 each; owners, Henry Ruthmann, 31 Palmetto St., and Henry Walbeck, 86 Knickerbocker Ave.; architect, Th. Engelhardt, 905 Broadway.

Camden, N. J.—Cooper St., dwelling for Hon. Edward Bettle.

Chicago, Ill.—Charles Lewis, four cottages, Sherman and Fifty-ninth St.; cost, \$3,600.

Cincinnati, O.—A. F. Gerald, 2 double two-and-one-half-sty frame dwellings, Ashland Ave.; cost, \$12,000; architect, Geo. Vogel.

J. E. Richardson, two-and-one-half-sty frame dwelling, Kemper Lane; cost, \$2,500; architect, S. S. Godlay.

Hatfield, Pa.—Three-sty dwelling; owner, Dr. Titus Albright.

Hillside, Pa.—A dwelling will be built for Wm. Johnson; architect, Horace Traumbaur, 310 Chestnut St., Philadelphia.

Malden, Mass.—Summer St., frame dwelling, 35.6' x 46'; owner, J. W. Tilson; contract to be let; architect, S. S. Woodcock, Boston.

Moorestown, N. J.—Two-sty frame dwelling; owner, Harry Middleton; architect, Horace Traumbaur, 310 Chestnut St., Philadelphia.

New York, N. Y.—Sixty-ninth St., n. s. 200' w West Central Park, 5 four-sty brick dwellings, tin roofs; cost, \$100,000; owner, George C. Edgar & Son, 74 West Ninety-fourth St.; architect, G. A. Schellinger, 188 Broadway.

Ninetyth St., s. s. 355' w Eighth Ave., 8 three-sty brick dwellings, tin roofs; cost, \$144,000; owner, W. F. Anderson, Ninety-fifth St., s. w cor. Ninth Ave.; architect, Herman Horenberger, 682 East One Hundred and Fifty-ninth St.

Ninetyth St., s. s. 305' w Eighth Ave., 3 four-sty brick dwellings, tin roofs; cost, \$75,000; owner, W. F. Anderson, Ninety-fifth St., s. w cor. Ninth Ave.; architect, Herman Horenberger, 682 East One Hundred and Fifty-ninth St.

Ninetyth St., s. s. 200' w Eighth Ave., 5 four-sty brick dwellings, tin roofs; cost, \$125,000; owner, W. F. Anderson, Ninety-fifth St., s. w cor. Ninth Ave.; architect, Herman Horenberger, 682 East One Hundred and Fifty-ninth St.

West One Hundred and Thirty-sixth St., Nos. 219-235, 555-565, 15 three-sty brick dwellings, tin roofs; cost, \$150,000; owner and builder, Thomas C. Van Brunt, 234 West One Hundred and Thirty-sixth St.

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One Hundred and Forty-third St., s. s. 175' e Boulevard, 3 three-sty brick dwellings, tin roofs; cost, \$21,000; owner, Alice Leo, 413 West One Hundred and Fifty-fourth St.; architect, N. Brewer, Jr., 13 Park Row.

North Wales, Pa.—Washington St., 2 three-sty stone dwellings; owner, I. G. Freed.

H. W. Kreibel will build 2 three-sty dwell.

Philadelphia, Pa.—Latona St., n. and s. s. bet. Twenty-seventh and Twenty-ninth St., 38 two-sty brick and stone dwellings; owners, F. & J. Gallagher, 1905 Dickinson St.

Titan St., n. s. bet. Twenty-seventh and Twenty-eighth Sts., 8 two-sty brick and stone dwellings; owners, F. & J. Gallagher, 1905 Dickinson St.

East Sixth St., No. 718, four-sty brick dwelling; contractor, Fred Harkin, Clifton Heights, Delaware Co., Pa.

Ellsworth St., No. 2136, two-sty brick dwelling; builder, Joseph Stevenson, 2210 Read St.

Courtland St., s. s. bet. Front and Second St., two-sty dwelling; owner, John Stubbs, 2541 Arizona St.

Reading, Pa.—A dwelling will be built on Mt. Penn by Theodore Benz.

Cedar and Washington Sts., 3 three-sty brick dwellings; builders, D. C. Sharp & Son.

Somerville, Mass.—Vinal Ave., frame dwelling, 26' x 31'; owner, Walter H. Wright; contract to be let; architect, S. S. Woodcock, Boston.

St. Louis, Mo.—Two-sty brick dwelling; cost, \$10,000; owner, J. J. Holt; contractor, M. Eyssell.

Wayne (Delaware Co.), Pa.—Dwelling for F. A. Treat; cost, abt. \$10,000; architect, Horace Traumbaur, 310 Chestnut St., Philadelphia.

Worcester, Mass.—Norton St., two-sty frame dwelling; owner and contractor, O. M. Ball; architect, W. H. Harvey.

Hancock St., three-sty frame dwelling; owner, Jas. Hanley; contractors, Lavigne Bros.; architect, W. H. Harvey.

Reeves St., three-sty frame dwelling; owner, Geo. W. Reeves; contractor, L. M. Petterson.

Millbury St., one-sty frame dwelling; owner, R. H. Mooney; contractor, L. M. Petterson.

OFFICE-BUILDINGS.

New York, N. Y.—William St., Nos. 93-95, nine-sty office-building; for Messrs. Black; architect, Cyrus L. W. Eldridge.

SCHOOL-HOUSES.

Bridgeport, Ala.—The building of a school, to cost \$15,000, is contemplated.

Deatur, Texas.—The Northwest Baptist College will build a three-sty building, to cost \$26,000.

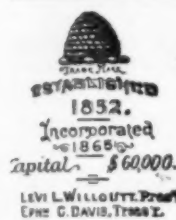
Kutztown, Pa.—Four-sty brick and stone buildings of Keystone State Normal School; cost, abt. \$70,000.

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architect, Edwin F. Durang, 1200 Chestnut St.,
Philadelphia, Pa.

STABLES.

Boston, Mass.—Burl Ave., near Ashmont St., Ward
24, one-st'y frame stable, pitch roof, 20' x 23' owner,
H. F. Chandler; builder, H. H. Delaire.

Jones Ave., near Ballou Ave., Ward 24, one-
st'y frame stable, 17' x 20'; owner, Alice Hayward;
builder, W. H. Hayward.

Rodney St., cor. Gardner St., Ward 25, one-st'y
frame stable, 17' x 24'; owner and builder, John
Mannion.

Camden, N. J.—Fankook St., cor. Seventh St.,
frame stable; owner, Henry C. Morton, Seventh and
Van Hook Sts.

Fairview St., No. 837, frame stable; owner, Floyd
Coplen, 837 Fairview St.

Philadelphia, Pa.—Elmwood Ave., w. s. s. Seventy-
third St., two-st'y stable; owner, M. Boyle, cor.
Seventy-third St. and Elmwood Ave.

Twenty-sixth St., n. Poplar St., two-st'y stable;
contractor, James Hood, 212 New St.

Cumberland St., n. w. cor. Ontario St., two-st'y
stone and brick livery and sale stable; contractors,
Marsh Bros., 2505 North Broad St.

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BUILDING INTELLIGENCE.

Ogden St., n. e. cor. Forty-fourth St., brick stable;
owner, M. Cavanaugh, 321 North Forty-fourth St.

STORES.

Brooklyn, N. Y.—Wyckoff Ave., n. e. cor. Greene
Ave., three-st'y frame store and dwell., tin roof;
cost, \$6,000; owner, W. F. Dreyer, 1081 Flushing
Ave.; architects, D. Acker & Son, 752 Broadway.

Osborn St., w. s. 100' w. Eastern Parkway, 2 three-
st'y brick stores and dwells., tin roofs; cost, \$6,000
each; owners, Happs & Quikel, on premises.

Myrtle Ave., n. e. cor. Nostrand Ave., three-st'y
brick store and dwell., tin roof; cost, \$4,500; owner,
R. J. Godmin, 526 Bedford Ave.; architect, S. Har-
bison, 2 Arlington Pl.

Fourth Ave., s. w. cor. Butler St., 7 four-st'y brick
stores and apartment-houses, tin roofs; total cost,
\$70,000; owner and builder, Thos. F. Martin, 321
Fourth Ave.; architect, W. M. Coots, 26 Court St.

Nostrand Ave., e. s. 225' n. Park Ave., four-st'y
brick store and dwell., tin roof; cost, \$10,000;
owner, H. Killian, 28 Floyd St.; architect, Frank
Holmberg, 1169 Broadway.

Chicago, Ill.—Imogene L. Hanchett, 7 three-st'y
stores and flats, Vincennes Road and Halsted St.;
cost, \$44,000.

New York, N. Y.—Franklin St., Nos. 51, 53, 55, eight-
st'y brick store building, concrete roof; cost, \$125,-
000; owner, Solomon Loeb, 39 East Thirty-eighth St.;
architect, DeLemos & Cordes, 146 Broadway.

Third Ave., Nos. 1651 1653, six-st'y brick store,
cement, tar and gravel roof; cost, \$80,000; owner,
Jacob Ruppert, Third Ave. and Ninety-first St.; ar-
chitect, J. Kastner, 744 Broadway.

Tenth Ave., w. s. 50' n. Forty-sixth St., four-st'y
brick store, tin roof; cost, \$12,000; owner, John J.
Fullam, 406 West Fifty-first St.; architect, James
W. Cole, 403 West Fifty-first St.

South Braintree, Mass.—Block of stores and
dwells., 50' x 75'; owner, C. H. Hobert; contract to
be let; architect, S. S. Woodcock, Boston.

Philadelphia, Pa.—Market St., Nos. 932-934, brick,
stone and terra-cotta stores; for N. Snellenburg &
Co.; architect, Frank R. Watson, 518 Walnut St.

TENEMENT-HOUSES.

New York, N. Y.—Eighty-third St., s. s. 81' e. Ave. B,
B, five-st'y brick tenement, tin roof; cost, \$10,000;
owners, L. & J. Brandt, 1646 Avenue B; architect,
John Brandt, 608 East Eighty-fourth St.

MISCELLANEOUS.

Asbury Park, N. J.—The Asbury Park and Ocean
Grove Bank will soon have prepared plans for a new
institution.

Chicago, Ill.—Robert Pollinski, three-st'y photo-
graph gallery, 1167 Milwaukee Ave.; cost, \$5,000.

New York, N. Y.—Rose St., s. w. cor. Duane St.,
printing office-building; owner, Rhinelander estate;
architect, Wm. H. Russell.

Philadelphia, Pa.—Fiftieth St., cor. Merion Ave.,
one-st'y brick building for the Pennsylvania Iron
Works; contractors, Gardner & Warner; architect,
Mr. R. G. Kennedy, 915 Drexel Building.

Bodine St., No. 2345, ice-house, office and stables;
for the Consolidated Ice Manufacturing Co.; con-
tractors, Stewart & Bros.

Thirtieth St., bet. Walnut and Chestnut Sts.,
corroding house; owners, Powers & Weightman,
Manufacturing Chemists, Parrish and Ninth Sts.;
contractor, Lewis Havens, 518 Girard Building.

On January 16 a large meeting was held at the
Philadelphia Academy of Music by representative
business and professional men of this city in the
interest of the new Philadelphia Bourse. Speeches
were made by Mayor Stuart who presided and by
Col. A. K. McClure, proprietor of the *Times*, Post-
master-general John Wanamaker, Claus Spreckels
the sugar king and others. Music furnished by the
Germania Orchestra. Among the Philadelphia Ar-
chitects and contractors, etc., who are subscribers
to the capital stock we note the following: Messrs.
John Balsley, Theophilus P. Chandler, Jr., Cope &

BUILDING INTELLIGENCE.

Stewardson, Addison Hutton, Frank Miles Day,
Hazlehurst & Huckle, G. W. Kugler & Sons, R. G.
Ledig, Watson Malone & Sons, George W. Royd-
house, W. H. Geisinger and others. The capital
stock has been raised from \$600,000 to \$1,000,000.

Walnut St., s. s. bet. Fifteenth and Broad Sts.,
glass and iron roof garden on Manufacturers Club
Building; builders, Arthur H. Williams & Sons, 402-
404 Tenor Pl.

St. Louis, Mo.—Three-st'y brick dye-house; cost,
\$6,000; owners, Lungstrauss Dye and Cleaning Co.;
contract not let.

PROPOSALS.

GRANITE.

[At Charlestown, Mass.]

OFFICE OF HARTWELL & RICHARDSON, ARCHTS.,
62 DEVONSHIRE STREET, BOSTON, MASS.

Drawings and specifications for granite for the new
wing of the State-Prison, Charlestown, are now ready
at this office, where full information will be given
and proposals received up to noon of Monday,
February 8th.

This material must be delivered at such times, in
such quantities as required, within the grounds of
the State-Prison, Charlestown, at the immediate site
of the new north wing.

A bond will be required. The right is reserved to
reject any or all proposals.

Envelopes must be endorsed "Proposals for Granite,
State-Prison, Charlestown." 840

BRICKS.

[At Charlestown, Mass.]

OFFICE OF HARTWELL & RICHARDSON, ARCHTS.,
62 DEVONSHIRE STREET, BOSTON, MASS.

Proposals for about one million six hundred thou-
sand (1,600,000) bricks will be received at this office
up to noon of Monday, February 1st, all of these
to be good, hard, merchantable bricks.

Of these, about one hundred thousand (100,000)
must be selected, water-struck bricks of approved
color, all these being for outside (surface) work.

Of the remainder, fully one-half will be exposed
upon the interior surfaces of walls and surfaces of
cells.

A sufficient number for jamb corners of cell doors
and windows must be rounded with a radius of about
3/4"; bidders to make a separate price for these.

The bricks must be delivered at such times and in
such quantities as required within the grounds of the
State-Prison at Charlestown at the immediate site of
the north wing.

A bond will be required.

The right is reserved to reject any or all proposals.

Envelopes must be indorsed "Proposals for Bricks,
State-Prison, Charlestown." 840

HARTWELL & RICHARDSON.

January 18, 1892. Sealed proposals will be received
at the office of the Supervising Architect, Treasury
Department, Washington, D. C., until 2 o'clock P. M.
on the 18th day of February, 1892, for all the labor
and materials required for the approaches to the
United States Custom-house, etc., building at Galves-
ton, Texas, in accordance with drawing and specifica-
tion, copies of which may be had on application at this
office or the office of the Custodian at Galveston, Tex.
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 Department will reject all bids re-
ceived after the time herein stated for opening the
same; also, bids which do not comply strictly with all
the requirements of this invitation. Proposals must
be enclosed in envelopes sealed and marked "Pro-
posal for Approaches to the United States Custom-
house building at Galveston, Texas," and addressed to
W. J. EDBROOKE, Supervising Architect.
841

January 16, 1892. Sealed proposals will be received
at the office of the Supervising Architect, Treasury
Department, Washington, D. C., until 2 o'clock P. M.

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PROPOSALS.

on the 12th day of February, 1892, for furnishing all the labor and materials required to lay complete the sewer from the United States Post-office, Court-house, etc., building at Baltimore, Md., to Jones's Falls, in accordance with the drawing and specification, copies of which may be had at this office or the office of the Custodian at Baltimore, Md. 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 Department will reject all bids received after the time herein stated for opening the same; also, bids which do not comply strictly with all the requirements of this invitation. Proposals must be enclosed in envelopes sealed and marked "Proposal for Sewer from the United States Post-office, Court-house, etc., building at Baltimore, Md.," and addressed to W. J. EDBROOKE, Supervising Architect. 840

ELEVATOR-WORK.

[At Boston, Mass.]
OFFICE OF BRIGHAM & SPOFFORD, ARCHITECTS,
27 MT. VERNON STREET, BOSTON, MASS.

Sealed proposals will be received at this office until 12 M., Monday, February 15, 1892, for materials and labor required in the construction of the elevators for the Massachusetts State-House Extension.

All information and instructions relating thereto may be had on application to the architects on and after the 27th day of January, 1892.

The Commissioners reserve the right to reject any and all bids, and bids received after the time named will not be considered.

All bids to be plainly marked "Bids for Elevators for the Massachusetts State-House Extension, Boston, Mass."

JOHN D. LONG, } State-House
BENJ. D. WHITCOMB, } Construction
WM. ENDICOTT, JR., } Commission.

841

January 19, 1892. Sealed proposals will be received at the office of the Supervising Architect, Treasury Department, Washington, D. C., until two o'clock P. M., on the 17th day of February, 1892, for furnishing all the labor and materials required to lay complete the sewer from the United States Court-house, Post-office, etc., building at Macon, Ga., to the city sewer, new drain from boiler pit, etc., in accordance with the drawings and specification, copies of which may be had on application at this office or the office of the Custodian. 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 Department will reject all bids received after the time herein stated for opening the same; also all bids which do not comply strictly with all the requirements of this invitation. Proposals must be enclosed in envelopes sealed and marked "Proposal for Sewer, etc., for the United States Court-house, Post-office, etc., Building at Macon, Ga.," and addressed to W. J. EDBROOKE, Supervising Architect. 840

January 15, 1892. Sealed proposals will be received at the office of the Supervising Architect, Treasury

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PROPOSALS.

Department, Washington, D. C., until 2 o'clock P. M., on the 16th day of February, 1892, for all the labor and materials required for the approaches to the United States Court-house, Post-office, etc., building at Denver, Colo., in accordance with drawings and specification, copies of which may be had at this office or the office of the Superintendent at Denver, Colo. 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 Department will reject all bids received after the time herein stated for opening the same; also, bids which do not comply strictly with all the requirements of this invitation. Proposals must be enclosed in envelopes sealed and marked "Proposal for Approaches to the United States Court-house, Post-office, etc., at Denver, Colo.," and addressed to W. J. EDBROOKE, Supervising Architect, 840

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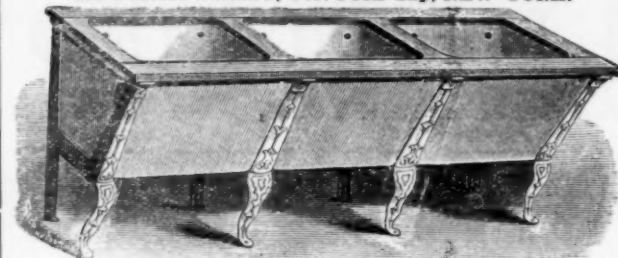


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N. Y. ARCHITECTURAL TERRA-COTTA CO.,
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PALMER MANUFACTURING CO.,
66 Water Street, Brooklyn, N. Y.

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ALSEN'S CEMENT WORKS,
16 Exchange Place, New York, N. Y.
BAETJER & MEYERSTEIN,
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BROOKS, SHOOBRIDGE & CO.,
7 Bowling Green, New York, N. Y.
DICKINSON BROS. & KING,
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FISHER, E. W.,
18 Broadway, New York, N. Y.
FLEMING, HOWARD,
23 Liberty Street, New York, N. Y.

JOHNSON & WILSON,
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KING, J. B. & CO.,
24 State Street, New York, N. Y.

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Cement (Hydraulic).

NORTON, F. O.,
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OAKLEY & KEATING,
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SMITH & EGGE MFG. CO.,
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HARWOOD MFG. CO.,
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(Continued on page xxv.)

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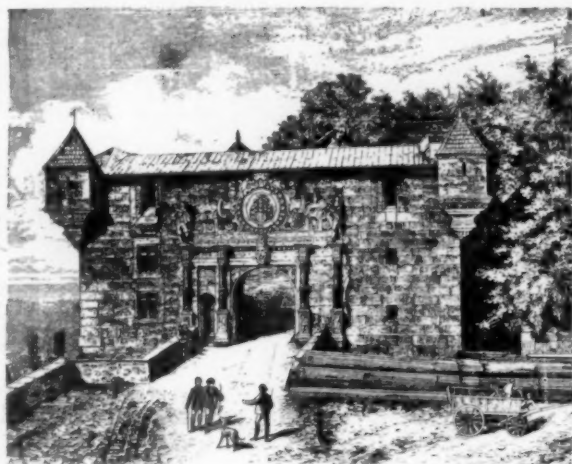
WILLIAM R. PITT, PROPRIETOR.



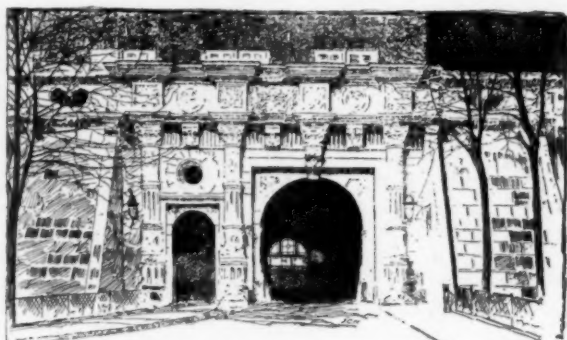
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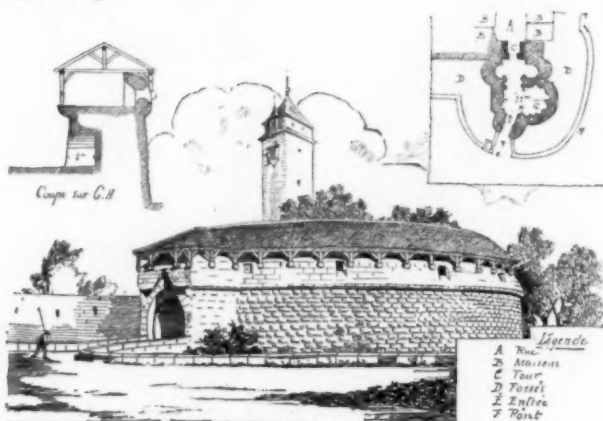
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TIRRILL GAS-MACHINE CO.,
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McPHERSON, W. J.,
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HYDRAULIC-PRESS BRICK CO.,
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THIELE, E.,
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**Seamless Drawn Copper Range
Boilers.**
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Seamless Drawn Whistle Bells.
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RANDOLPH & CLOWES,
Waterbury, Conn.

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MULLINS, W. H.,
Salem, O.

Sheet-Metal Work.
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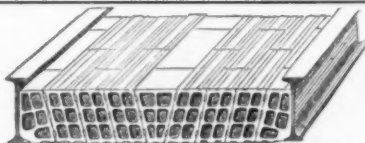
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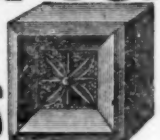
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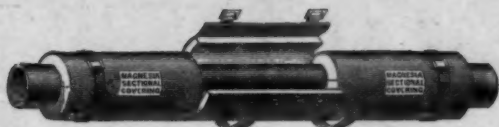
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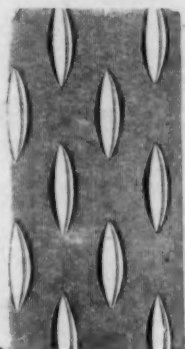
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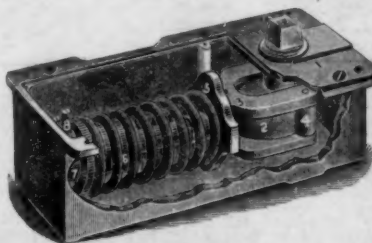
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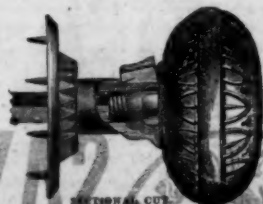
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X to 1 1/2		1 1/2 to 2		2 to 2 1/2		2 1/2 to 3		3 to 3 1/2		3 1/2 to 4		4 to 4 1/2		4 1/2 to 5		5 to 5 1/2		5 1/2 to 6		6 to 6 1/2		6 1/2 to 7		7 to 7 1/2		7 1/2 to 8		8 to 8 1/2		8 1/2 to 9		9 to 9 1/2		9 1/2 to 10		10 to 10 1/2		10 1/2 to 11		11 to 11 1/2		11 1/2 to 12		12 to 12 1/2		12 1/2 to 13		13 to 13 1/2		13 1/2 to 14		14 to 14 1/2		14 1/2 to 15		15 to 15 1/2		15 1/2 to 16		16 to 16 1/2		16 1/2 to 17		17 to 17 1/2		17 1/2 to 18		18 to 18 1/2		18 1/2 to 19		19 to 19 1/2		19 1/2 to 20		20 to 20 1/2		20 1/2 to 21		21 to 21 1/2		21 1/2 to 22		22 to 22 1/2		22 1/2 to 23		23 to 23 1/2		23 1/2 to 24		24 to 24 1/2		24 1/2 to 25		25 to 25 1/2		25 1/2 to 26		26 to 26 1/2		26 1/2 to 27		27 to 27 1/2		27 1/2 to 28		28 to 28 1/2		28 1/2 to 29		29 to 29 1/2		29 1/2 to 30		30 to 30 1/2		30 1/2 to 31		31 to 31 1/2		31 1/2 to 32		32 to 32 1/2		32 1/2 to 33		33 to 33 1/2		33 1/2 to 34		34 to 34 1/2		34 1/2 to 35		35 to 35 1/2		35 1/2 to 36		36 to 36 1/2		36 1/2 to 37		37 to 37 1/2		37 1/2 to 38		38 to 38 1/2		38 1/2 to 39		39 to 39 1/2		39 1/2 to 40		40 to 40 1/2		40 1/2 to 41		41 to 41 1/2		41 1/2 to 42		42 to 42 1/2		42 1/2 to 43		43 to 43 1/2		43 1/2 to 44		44 to 44 1/2		44 1/2 to 45		45 to 45 1/2		45 1/2 to 46		46 to 46 1/2		46 1/2 to 47		47 to 47 1/2		47 1/2 to 48		48 to 48 1/2		48 1/2 to 49		49 to 49 1/2		49 1/2 to 50		50 to 50 1/2		50 1/2 to 51		51 to 51 1/2		51 1/2 to 52		52 to 52 1/2		52 1/2 to 53		53 to 53 1/2		53 1/2 to 54		54 to 54 1/2		54 1/2 to 55		55 to 55 1/2		55 1/2 to 56		56 to 56 1/2		56 1/2 to 57		57 to 57 1/2		57 1/2 to 58		58 to 58 1/2		58 1/2 to 59		59 to 59 1/2		59 1/2 to 60		60 to 60 1/2		60 1/2 to 61		61 to 61 1/2		61 1/2 to 62		62 to 62 1/2		62 1/2 to 63		63 to 63 1/2		63 1/2 to 64		64 to 64 1/2		64 1/2 to 65		65 to 65 1/2		65 1/2 to 66		66 to 66 1/2		66 1/2 to 67		67 to 67 1/2		67 1/2 to 68		68 to 68 1/2		68 1/2 to 69		69 to 69 1/2		69 1/2 to 70		70 to 70 1/2		70 1/2 to 71		71 to 71 1/2		71 1/2 to 72		72 to 72 1/2		72 1/2 to 73		73 to 73 1/2		73 1/2 to 74		74 to 74 1/2		74 1/2 to 75		75 to 75 1/2		75 1/2 to 76		76 to 76 1/2		76 1/2 to 77		77 to 77 1/2		77 1/2 to 78		78 to 78 1/2		78 1/2 to 79		79 to 79 1/2		79 1/2 to 80		80 to 80 1/2		80 1/2 to 81		81 to 81 1/2		81 1/2 to 82		82 to 82 1/2		82 1/2 to 83		83 to 83 1/2		83 1/2 to 84		84 to 84 1/2		84 1/2 to 85		85 to 85 1/2		85 1/2 to 86		86 to 86 1/2		86 1/2 to 87		87 to 87 1/2		87 1/2 to 88		88 to 88 1/2		88 1/2 to 89		89 to 89 1/2		89 1/2 to 90		90 to 90 1/2		90 1/2 to 91		91 to 91 1/2		91 1/2 to 92		92 to 92 1/2		92 1/2 to 93		93 to 93 1/2		93 1/2 to 94		94 to 94 1/2		94 1/2 to 95		95 to 95 1/2		95 1/2 to 96		96 to 96 1/2		96 1/2 to 97		97 to 97 1/2		97 1/2 to 98		98 to 98 1/2		98 1/2 to 99		99 to 99 1/2		99 1/2 to 100		100 to 100 1/2		100 1/2 to 101		101 to 101 1/2		101 1/2 to 102		102 to 102 1/2		102 1/2 to 103		103 to 103 1/2		103 1/2 to 104		104 to 104 1/2		104 1/2 to 105		105 to 105 1/2		105 1/2 to 106		106 to 106 1/2		106 1/2 to 107		107 to 107 1/2		107 1/2 to 108		108 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1/2		139 1/2 to 140		140 to 140 1/2		140 1/2 to 141		141 to 141 1/2		141 1/2 to 142		142 to 142 1/2		142 1/2 to 143		143 to 143 1/2		143 1/2 to 144		144 to 144 1/2		144 1/2 to 145		145 to 145 1/2		145 1/2 to 146		146 to 146 1/2		146 1/2 to 147		147 to 147 1/2		147 1/2 to 148		148 to 148 1/2		148 1/2 to 149		149 to 149 1/2		149 1/2 to 150		150 to 150 1/2		150 1/2 to 151		151 to 151 1/2		151 1/2 to 152		152 to 152 1/2		152 1/2 to 153		153 to 153 1/2		153 1/2 to 154		154 to 154 1/2		154 1/2 to 155		155 to 155 1/2		155 1/2 to 156		156 to 156 1/2		156 1/2 to 157		157 to 157 1/2		157 1/2 to 158		158 to 158 1/2		158 1/2 to 159		159 to 159 1/2		159 1/2 to 160		160 to 160 1/2		160 1/2 to 161		161 to 161 1/2		161 1/2 to 162		162 to 162 1/2		162 1/2 to 163		163 to 163 1/2		163 1/2 to 164		164 to 164 1/2		164 1/2 to 165		165 to 165 1/2		165 1/2 to 166		166 to 166 1/2		166 1/2 to 167		167 to 167 1/2		167 1/2 to 168		168 to 168 1/2		168 1/2 to 169		169 to 169 1/2		169 1/2 to 170		170 to 170 1/2		170 1/2 to 171		171 to 171 1/2		171 1/2 to 172		172 to 172 1/2		172 1/2 to 173		173 to 173 1/2		173 1/2 to 174		174 to 174 1/2		174 1/2 to 175		175 to 175 1/2		175 1/2 to 176		176 to 176 1/2		176 1/2 to 177		177 to 177 1/2		177 1/2 to 178		178 to 178 1/2		178 1/2 to 179		179 to 179 1/2		179 1/2 to 180		180 to 180 1/2		180 1/2 to 181		181 to 181 1/2		181 1/2 to 182		182 to 182 1/2		182 1/2 to 183		183 to 183 1/2		183 1/2 to 184		184 to 184 1/2		184 1/2 to 185		185 to 185 1/2		185 1/2 to 186		186 to 186 1/2		186 1/2 to 187		187 to 187 1/2		187 1/2 to 188		188 to 188 1/2		188 1/2 to 189		189 to 189 1/2		189 1/2 to 190		190 to 190 1/2		190 1/2 to 191		191 to 191 1/2		191 1/2 to 192		192 to 192 1/2		192 1/2 to 193		193 to 193 1/2		193 1/2 to 194		194 to 194 1/2		194 1/2 to 195		195 to 195 1/2		195 1/2 to 196		196 to 196 1/2		196 1/2 to 197		197 to 197 1/2		197 1/2 to 198		198 to 198 1/2		198 1/2 to 199		199 to 199 1/2		199 1/2 to 200	
PRICES REDUCED.		For Doors, Windows, Etc.		Inch.		X to 1 1/2		1 1/2 to 2		2 to 2 1/2		2 1/2 to 3		3 to 3 1/2		3 1/2 to 4		4 to 4 1/2		4 1/2 to 5		5 to 5 1/2		5 1/2 to 6		6 to 6 1/2		6 1/2 to 7		7 to 7 1/2		7 1/2 to 8		8 to 8 1/2		8 1/2 to 9		9 to 9 1/2		9 1/2 to 10		10 to 10 1/2		10 1/2 to 11		11 to 11 1/2		11 1/2 to 12		12 to 12 1/2		12 1/2 to 13		13 to 13 1/2		13 1/2 to 14		14 to 14 1/2		14 1/2 to 15		15 to 15 1/2		15 1/2 to 16		16 to 16 1/2		16 1/2 to 17		17 to 17 1/2		17 1/2 to 18		18 to 18 1/2		18 1/2 to 19		19 to 19 1/2		19 1/2 to 20		20 to 20 1/2		20 1/2 to 21		21 to 21 1/2		21 1/2 to 22		22 to 22 1/2		22 1/2 to 23		23 to 23 1/2		23 1/2 to 24		24 to 24 1/2		24 1/2 to 25		25 to 25 1/2		25 1/2 to 26		26 to 26 1/2		26 1/2 to 27		27 to 27 1/2		27 1/2 to 28		28 to 28 1/2		28 1/2 to 29		29 to 29 1/2		29 1/2 to 30		30 to 30 1/2		30 1/2 to 31		31 to 31 1/2		31 1/2 to 32		32 to 32 1/2		32 1/2 to 33		33 to 33 1/2		33 1/2 to 34		34 to 34 1/2		34 1/2 to 35		35 to 35 1/2		35 1/2 to 36		36 to 36 1/2		36 1/2 to 37		37 to 37 1/2		37 1/2 to 38		38 to 38 1/2		38 1/2 to 39		39 to 39 1/2		39 1/2 to 40		40 to 40 1/2		40 1/2 to 41		41 to 41 1/2		41 1/2 to 42		42 to 42 1/2		42 1/2 to 43		43 to 43 1/2		43 1/2 to 44		44 to 44 1/2		44 1/2 to 45		45 to 45 1/2		45 1/2 to 46		46 to 46 1/2		46 1/2 to 47		47 to 47 1/2		47 1/2 to 48		48 to 48 1/2		48 1/2 to 49		49 to 49 1/2		49 1/2 to 50		50 to 50 1/2		50 1/2 to 51		51 to 51 1/2		51 1/2 to 52		52 to 52 1/2		52 1/2 to 53		53 to 53 1/2		53 1/2 to 54		54 to 54 1/2		54 1/2 to 55		55 to 55 1/2		55 1/2 to 56		56 to 56 1/2		56 1/2 to 57		57 to 57 1/2		57 1/2 to 58		58 to 58 1/2		58 1/2 to 59		59 to 59 1/2		59 1/2 to 60		60 to 60 1/2		60 1/2 to 61		61 to 61 1/2		61 1/2 to 62		62 to 62 1/2		62 1/2 to 63		63 to 63 1/2		63 1/2 to 64		64 to 64 1/2		64 1/2 to 65		65 to 65 1/2		65 1/2 to 66		66 to 66 1/2		66 1/2 to 67		67 to 67 1/2		67 1/2 to 68		68 to 68 1/2		68 1/2 to 69		69 to 69 1/2		69 1/2 to 70		70 to 70 1/2		70 1/2 to 71		71 to 71 1/2		71 1/2 to 72		72 to 72 1/2		72 1/2 to 73		73 to 73 1/2		73 1/2 to 74		74 to 74 1/2		74 1/2 to 75		75 to 75 1/2		75 1/2 to 76		76 to 76 1/2		76 1/2 to 77		77 to 77 1/2		77 1/2 to 78		78 to 78 1/2		78 1/2 to 79		79 to 79 1/2		79 1/2 to 80		80 to 80 1/2		80 1/2 to 81		81 to 81 1/2		81 1/2 to 82		82 to 82 1/2		82 1/2 to 83		83 to 83 1/2		83 1/2 to 84		84 to 84 1/2		84 1/2 to 85		85 to 85 1/2		85 1/2 to 86		86 to 86 1/2		86 1/2 to 87		87 to 87 1/2		87 1/2 to 88		88 to 88 1/2		88 1/2 to 89		89 to 89 1/2		89 1/2 to 90		90 to 90 1/2		90 1/2 to 91		91 to 91 1/2		91 1/2 to 92		92 to 92 1/2		92 1/2 to 93		93 to 93 1/2		93 1/2 to 94		94 to 94 1/2		94 1/2 to 95		95 to 95 1/2		95 1/2 to 96		96 to 96 1/2		96 1/2 to 97		97 to 97 1/2		97 1/2 to 98		98 to 98 1/2		98 1/2 to 99		99 to 99 1/2		99 1/2 to 100																																																																																																																																																																																																																																																																																																																																																																																																																	
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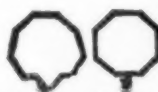
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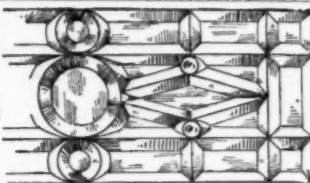
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Pine, 1st quality, clear.....	65 00 @ 75 00
" 2d quality.....	55 00 @ 60 00
" 3d quality.....	18 00 @ 22 00
Spruce.....	25 00 @ 25 00
Hemlock.....	13 00 @ 15 00
Yellow pine.....	20 00 @ 40 00
Cypress.....	31 00 @ 40 00

Clapboards:

Pine.....	38 00 @ 60 00
Spruce.....	23 00 @ 35 00

Framing Timber:

Pine.....	14 00 @ 18 00
Spruce.....	12 00 @ 16 00
Hemlock.....	18 00 @ 21 00
Yellow pine.....	24 00 @ 35 00

Laths:

Pine.....	2 25 @ 2 35
Spruce.....	2 35 @ 2 50

Shingles:

Pine, shaved.....P. M.	5 00 @ 6 00
Pine, sawed....."	4 00 @ 5 00
Spruce, sawed....."	1 50 @ 2 00
Redwood.....P. 125.	1 40 @ 1 60
Cedar split.....P. M.	18 00 @ 20 00
Cedar sawed....."	2 00 @ 4 00
Cypress, Split.....7 x 24.	5 00 @ 6 00

Miscellaneous:

Piles.....P. ft.	4 1/2 @ 5 1/2
Fence pickets, Common.....	8 00 @ 10 00
Cedar posts, 9 ft. (sq. posts).....	25 @ 50
Chestnut posts.....	25 @ 50

Finishing Woods: P. M. (First Qual.)

Ash.....[Kiln-dried.]	45 00 @ 50 00
Cherry.....	80 00 @ 120 00
Butternut.....	40 00 @ 60 00
Hard-pine floors (rift).....	150 00 @ 160 00
Mahogany, Baywood [Mexican].....	120 00 @ 350 00
St. Domingo.....	45 00 @ 50 00
Maple.....	70 00 @ 70 00
Oak, red.....	60 00 @ 75 00
" white.....	50 00 @ 65 00
" quartered.....	65 00 @ 75 00
Sycamore quartered.....	50 00 @ 75 00
Pine, clear.....	65 00 @ 70 00
Redwood.....	60 00 @ 70 00
Rosewood.....P. lb.	32 00 @ 35 00
Spruce floors (clear, kiln-dried).....	85 00 @ 120 00
Walnut, black.....	45 00 @ 50 00
Whitewood.....	40 00 @ 45 00
Yellow pine.....P. M.	40 00 @ 42 00

New York.

Boston.

Chicago.

Philadelphia.

(Wholesale Prices.)

(Prices to Builders and Contractors.)

65 00 @ 75 00	50 00 @ 60 00	30 00 @ 47 00	48 00 @ 55 00
55 00 @ 60 00	42 00 @ 50 00	25 00 @ 28 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	13 00 @ 15 00	Not sold.	16 00 @ 20 00
ca 13 1/2 @ 14	13 00 @ 15 00	@ 12 00	11 25 @ 13 50
20 00 @ 40 00	25 00 @ 35 00	29 00 @ 37 00	14 00 @ 29 00
@	31 00 @ 40 00	@	@ 35 00
@	38 00 @ 60 00	10 00 @ 22 00	14 00 @ 25 00
@	23 00 @ 35 00	Not sold.	Not sold.
14 00 @ 18 00	15 00 @ 18 00	12 00 @ 15 00	25 00 @ 37 30
12 00 @ 16 00	14 00 @ 15 00	Not sold.	16 00 @ 18 00
18 00 @ 21 00	24 00 @ 35 00	10 00 @ 13 00	13 00 @ 17 00
2 25 @ 2 35	2 35 @ 2 50	2 10 @ 2 25	2 75 @ 3 00
2 35 @ 2 50		Not sold.	2 30 @ 3 00
5 00 @ 6 00	@	Not sold.	
4 00 @ 5 00	@ 4 50	2 20 @ 3 00	
1 50 @ 2 00	1 50 @ 00	Not sold.	
1 40 @ 1 60	3 75 @ 4 00	6 00 @ 7 50	{ 30tr \$35 @ 40
@	@	Not sold.	{ 24" 8 @ 21
@	2 00 @ 4 00	2 00 @ 2 35	{ 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 @ 18 00	9 00 @ 13 00
@	25 @ 50	9 @ 21	40 @ 1 25
@	25 @ 50	Not sold.	20 @ 30
@ 55 00	45 00 @ 60 00	30 00 @ 35 00	30 00 @ 40 00
80 00 @ 120 00	90 00 @ 120 00	80 00 @ 110 00	100 00 @ 120 00
40 00 @ 60 00	60 00 @ 70 00	50 00 @ 60 00	70 00 @ 80 00
@ 180 00	45 00 @ 50 00	150 00 @ 200 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	18 00 @ 35 00	25 00 @ 55 00
@ 70 00	@ 50 00	32 00 @ 40 00	45 00 @ 55 00
@ 90 00	50 00 @ 55 00	45 00 @ 50 00	45 00 @ 55 00
65 00 @ 70 00	50 00 @ 65 00	35 00 @ 50 00	60 00 @ 75 00
60 00 @ 70 00	50 00 @ 75 00	35 00 @ 50 00	57 50 @ 65 00
@ 6	60 00 @ 70 00	55 00 @ 60 00	60 00 @ 75 00
32 00 @ 35 00		@ 7	
85 00 @ 120 00		55 00 @ 100 00	50 00 @ 170 00
45 00 @ 50 00	40 00 @ 45 00	18 00 @ 40 00	25 00 @ 40 00
@ 45 00	40 00 @ 42 00	29 00 @ 40 00	50 @ 42 00

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	(Wholesale Prices.)	(Prices to Builders and Contractors.)		In Yard.
BRICK.—P. M.				
Common: Cargo afloat.			Building Brick	Sq. Hard @ 9 00
Pale.....	2 50 @ 3 00	Eastern	@ 6 50	@ 7 00
Jersey.....	4 50 @ 5 00	9 00 @ 10 00		Salmon @ 5 00
Long Island.....	5 50 @ 6 00	Bay State Hard		Light Stretchers @ 10 00
Up River.....		8 00 @ 9 00		Medium " @ 12 00
Haverstraw Bay 2d.....		Domestic Com.		Red " @ 13 00
" 1st.....		9 50 @ 10 00	Indiana Pressed	Dark " @ 13 00
Hollow.....	@ 13 00	Domestic Face	14 00 @ 20 00	Pressed 18 00 @ 20 00
Fronts:		20 00 @ 22 00	St. Louis Fronts	Best Paving @ 14 00
Croton, Brown.....	@ 13 00	Philadelphia	@ 27 00	Second " @ 13 00
" dark.....	@ 14 00	40 00 @ 45 00		Third " @ 12 00
" red.....	@ 14 00	Phila. mould		Dom. { @ 65
Chicago pressed (Anderson).....		50 00 @ 80 00		@ 85
" Moulded.....			15 00 @ 27 00	
Baltimore.....	37 00 @ 41 00	Anderson	65 00 @ 350 00	
Philadelphia.....	23 00 @ 24 00	14 00 @ 32 00	@ 55 00	
Trenton.....	22 00 @ 23 00		45 00 @ 50 00	
Milwaukee.....			45 00 @	
Moulded:			25 00 @	
Glens Falls Red Pressed.....	@ 37 00		60 00 @ 100 00	
" Buff.....	@ 30 00		30 @	
" Moulded Red & Buff	45 00 @ 70 00		35 @	
Enamelled: Imp.			55 00 @ 65 00	
Enamelled (edge and end).....	85 00 @ 100 00		@ 100 00	
CEMENT, LIME, etc.—(P. cash.)	90 00 @ 115 00		@ 120 00	
Rosendale Cement.....	1 15 @ 1 20	1 20 @ 1 40	Not sold.	1 30 @ 1 50
Louisville.....		Brooks, S. & Co.	1 05 @ 1 30	BS&Co 2 75 @ 3 00
Utica, Akron, Buffalo, Milw'kee.	Not sold.	2 60 @ 3 00	1 00 @ 1 25	2 85 @ 3 25
Portland, English (Gibbs).....	2 50 @ 3 00	2 60 @ 3 00	2 75 @ 3 25	2 85 @ 3 15
" (K. B. & S.).....	2 50 @ 3 00	2 60 @ 3 00	3 00 @ 3 25	2 75 @ 3 00
" Black Cross.....	2 25 @ 2 50	2 60 @ 3 00	3 00 @ 3 25	2 85 @ 3 15
" (Burnham).....	2 20 @ 2 80	2 60 @ 3 00	2 90 @ 3 15	2 75 @ 3 15
" (White's).....	2 65 @ 3 00	2 60 @ 3 00	3 00 @ 3 25	
" French (Lafarge).....	3 60 @ 3 75	@ 5 00	3 75 @ 4 25	Hemmoor
" German (Alsen).....	2 90 @ 3 25	3 00 @ 3 50	@ 3 20	2 50 @ 2 75
" (Fisher).....	2 25 @ 2 40	3 15 @ 3 35	3 20 @ 3 40	2 75 @ 2 85
" (Lagerhofer).....	2 50 @ 2 90	Cleopatra		Josson
" (Dyckerhoff).....	@ 2 90	2 55 @ 3 00	2 75 @ 3 00	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		Not sold.	2 75 @ 2 85
" American (Saylor's).....	2 15 @ 2 45	2 15 @ 2 50	2 75 @ 3 00	2 70 @ 3 00
Roman.....	2 75 @ 3 00	@ 3 00	2 75 @ 3 25	3 00 @ 3 50
Keene's coarse.....	5 75 @ 6 50	@ 6 00	6 00 @ 7 00	6 50 @ 7 00
" superfine.....	9 25 @ 10 25	@ 11 50	9 00 @ 10 50	8 00 @ 9 00
Lime:				
Lime of Teil.....	3 50 @ 4 00		Not sold.	White Lime P bush
Hydraulic Lime.....	@ 1 45	@ 1 35	55 @	25 @ 30
Chicago Lime in bulk.....		St. John 1 00	60 @	White Mash
Wisconsin Lime.....	@ 85	@ 1 05	Not sold.	1 25 @ 1 50
Rockland and Rockport, (Com.).....	@ 1 00	@ 1 20	Not sold.	1 00 @ 1 00
Rockland and Rockport, finish.....	@ 1 20	@ 1 20	1 00 bulk, 75c.	
Kelley Island Lime, finish.....	@ 85	Not sold.	Not sold.	Not sold.
State, com. cargo rates (nom.).....	@ 1 05	Not sold.	Not sold.	Not sold.
State, finishing.....	1 20 @ 1 25	1 85 @ 2 00	1 85 @ 1 90	1 50 @ 2 25
Plaster of Paris (calcined).....	1 30 @ 1 35	@ 2 25	1 85 @ 1 90	1 75 @ 2 50
" (east).....	16 @ 18	25 @ 30	20 @ 25	20 @ 25
Hair (Cattle) P bush.....	25 @ 28	@ 30	30 @ 35	30 @ 35
" (Goat).....	1 00 @ 1 25	1 75 @ 1 90	@ 60	@ 1 50
Sand, P load.....		@ 60		
STONE. (P cubic foot, rough.)				
Granite: (Maine)				
Limestone:				
Bedford.....	45 @ 1 25	95 @ 1 00	50 @	75 @ 90
Joliet.....	@ 1 00		35 @ 55	Richmond
Lemont.....	@		35 @ 60	75 @ 1 50
Serpentine.....	@	10 50 per ton	@ 1 00	P Perch @ 4 50

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Mortar Colors.				
Black, brown, buff p. lb.	@ 2 1/2	@	@	@
Colorful p. lb.	@ 2 1/2	@	@	@
Red p. lb.	@ 3	@	@	@
White p. bbl.	@ 1 75	@	@	@
Foundation:				
Dimension	@	5 00 p. ton.	20 @	@ 5 00
Block	@	4 00 p. perch.	@	Conshocken
Rubble	@	1 25 @ 1 50	8 50 @	1 45 @ 2 50
Bluestone: (p. sq. ft.)				
Sidewalk	30 @ 5 00	40 @ 1 75	75 @ 1 00	1 in. th. 10 @ 25
Planned	50 @ 6 00	@ 75	50 @ 1 00	37 @ 50
Sandstone:				
Longmeadow	@ 80	80 @ 90	@	@
Kibbo	@ 90	90 @ 1 10	@	@
Brown (Connecticut)	1 00 @	1 25 @ 1 45	1 50 p. cub. ft.	@ 95 @ 1 16
Amherst	90 @ 95	90 @ 1 00	45 @ 50	@ 1 05 @ 1 35
Berea } Ohio	75 @ 1 00	85 @ 90	45 @ 55	@ 55 @ 1 00
Berlin }	75 @ 1 00	80 @ 90	55 @ 65	@ 1 10 @ 1 00
Belleville }	80 @ 1 25	1 25 @ 1 35	@ 1 25	@ 1 00 @ 1 00
New Brunswick (Dorchester)	@ 1 00	75 @ 90	@	@ 1 25 @ 1 00
Caen	@	@ 2 00	@	@ 95 @ 1 00
Carlisle, English	@ 1 05	@ 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	4 25 @ 4 75	10 00 @ 11 00	12 00 @ 14 00	50 @ 10 25
"black, Lehigh	@	@	6 25 @ 6 85	1 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. p. M.	@	@	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	7 @ 7 1/2	6 1/2 @ 7	@ 7 1/2
"zinc	5 @ 8 1/2	7 @ 8 1/2	7 @ 10 1/2	@ 7 1/2
Red lead, Am.	6 @ 7	7 @ 7 1/2	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 @ 75 dry	65 @ 68	@ 76
"Indian, Eng.	12 @ 20	12 @ 20	12 @ 20	@ 7
Yellow Ochre	6 @ 15	7 @ 12	3 @ 15	@ 1 1/2
"Chrome	12 @ 20	18 @ 25	15 @ 25	@ 15
Green (chrome)	8 @ 13	8 @ 20	8 @ 20	@ 21
Green, Paris	25 @ 40	25 @ 40	18 @ 35	@ 15 @ 20
Black, lamp	15 @ 25	15 @ 25	8 @ 30	@ 8 @ 12
Blue, ultramarine	12 @ 18	18 @ 30	12 @ 35	@ 10 @ 24
Oil, linseed, (raw)	55 @ 62	37 @ 38	57 @ 60	@ 60
"boiled	58 @ 65	40 @ 41	60 @ 63	@ 63
Turpentine	36 @ 37	@ 40	51 @ 51	@ 44
Varnish, coach	@	1 50 @ 6 00	1 25 @ 2 00	1 25 @ 3 00
Shellac	@	2 50 @ 3 00	2 25 @ 4 00	1 50 @ 3 00
Putty	2 @	2 @ 4	2 @ 2 1/2	2 @ 2 1/2
Whiting	75 @ 1 00	1 @ 1 1/2	1 @ 1 1/2	3 @ 1
Paris white, (Eng.)	1 30 @ 2 00	2 @ 3	1 1/2 @ 2	1 1/2 @ 2
Litharge, Am.	5 1/2 @ 6	7 @ 7 1/2	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
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Nails: (Per Cask.) Spikes, (trought.)	@ 2 85	@	2 75 @ 3 00	per keg @ 2 25
10d. common	@ 2 60	@ 2 10	@ 2 35	@ 2 30
Shingle	@ 3 35	@ 2 20	@ 2 75	@ 2 60
Lath	@ 4 85	@ 3 10	@ 3 65	3 60 @ 4 75
(Finishing nails according to size.)	@	@	Add .35 to \$1.15	per lb 4 @ 6
(For casing nails add 75 c. per keg.)	@	@	" .50 to .90	Add per oak 2 90 (all kinds.)
Butts: 4" x 4" (p. doz. pairs.)	@ 1 00	@ 1 20	@ 90	@ 90
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Bronze metal	@ 10	@ 10	@ 12	@ 1 00
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Brass	1 00 @ 2 50	50 @ 3 00	1 00 @ 3 00	75 @ 1 25
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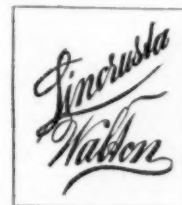


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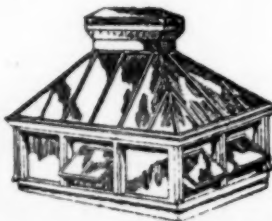
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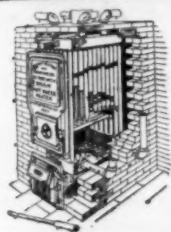
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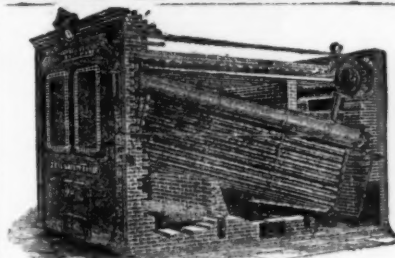
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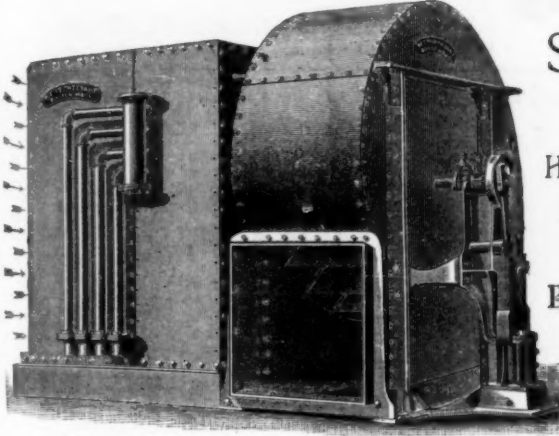


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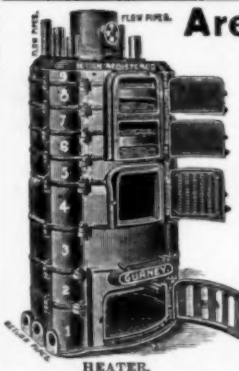
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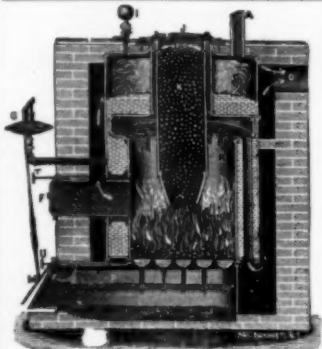


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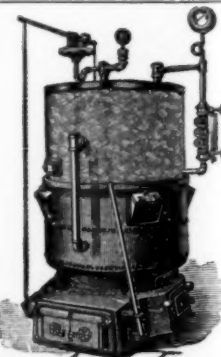
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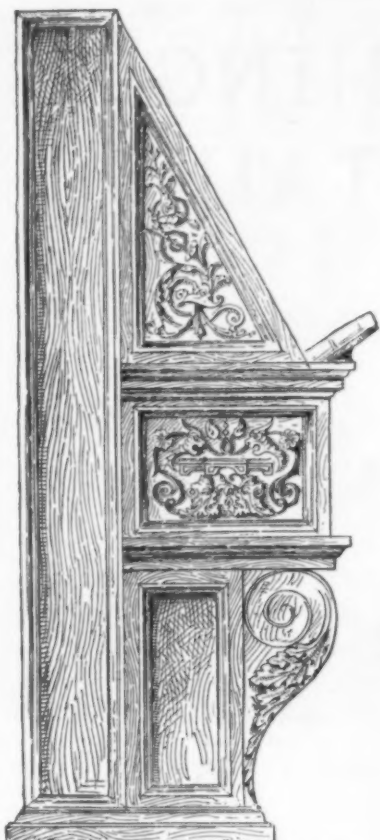
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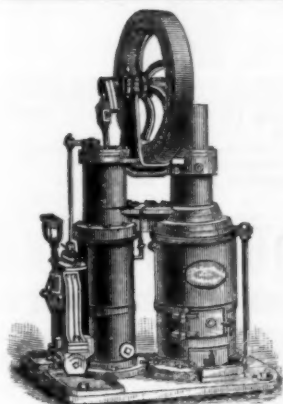
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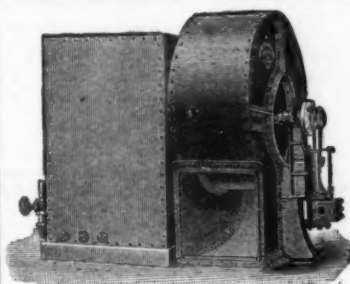
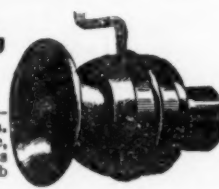
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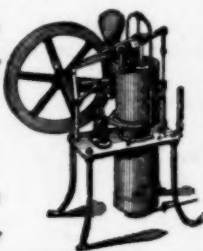


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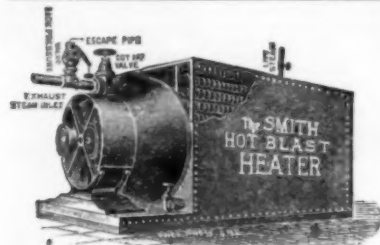
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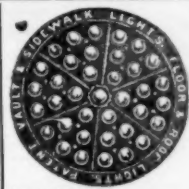
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(Continued on page xv.)

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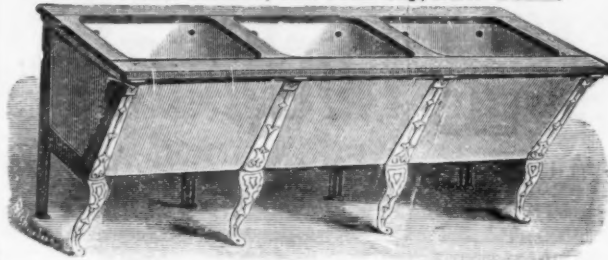
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ALTERATIONS.

Brooklyn, N. Y. — Hicks St., No. 167, three-sty frame dwell., tin roof, one-sty brick extension, tin roof, and internal alterations; cost, \$3,500; owners, Friedlander & Green, 167 Hicks St.

Johnson St., s e cor. Navy St., three-sty brick wagon-factory, gravel roof, raised one story, four-sty brick extension, gravel roof, added and internal alterations made; cost, \$14,400; owner, P. Barrett, Johnson and Navy Sts.; architect, J. G. Glover, 186 Remsen St.

Cambridge, Mass. — Brattle St., No. 164, alterations to dwell. for A. D. S. Bell; builders, Gerry & English; architects, Joseph R. & Wm. P. Richards, Boston.

Chicago, Ill. — M. Johnson, one-sty addition, 211-213 Dearborn St.; cost, \$20,000.

Aeene Clasp Co., two-sty addition, 1701-1703 Clark St.

John Horarka, three-sty addition, 376 West Eighth St.; cost, \$3,500.

St. Louis, Mo. — Store alteration; cost, \$2,756; owner, J. B. C. Lucas; contractor, C. Hencke.

APARTMENT-HOUSES.

Cambridge, Mass. — Mt. Auburn and Banks Sts.,

BUILDING INTELLIGENCE.

four-sty frame apartments, 29' x 47'; owner, Joseph Lerner; contract to be let; architects, Joseph R. & Wm. P. Richards, Boston.

Chicago, Ill. — Alice Peterson, three-sty flats, 2124-2126 Indiana Ave.; cost, \$6,000.

Joseph M. Riley, three-sty flats, 1967 West Madison St.; cost, \$7,500.

Olson & Magnor, two-sty flats, 418 Roscoe St.; cost, \$3,000.

E. J. Buckley, 2 two-sty flats, 311-313 Armitage Ave.; cost, \$4,000.

Joun Ott, two-sty flats, 75 Greenwich St.; cost, \$3,500.

C. C. Landt, 3 two-sty flats, 303 Thirty-first St.; cost, \$3,000.

F. W. Kuhn, 2 two-sty flats, 7246-7248 Wentworth Ave.; cost, \$15,000.

CHURCHES.

Somerville, Mass. — Summer St., frame church, 63' x 110', for Rev. J. J. O'Brien; builders, Gillis Bros.

St. Louis, Mo. — One-sty brick church; cost, \$5,000; owner, Church of God; contract not let.

FACTORIES.

Chicago, Ill. — Warren Springer, seven-sty factory, 172-178 South Clinton St.; cost, \$175,000.

S. M. Peterson, four-sty factory, 126 North Union St.; cost, \$25,000.

C. M. Madison, three-sty factory, 591-597 Austin Ave.; cost, \$10,000.

Frees Bros., four-sty factory, 187 West Chicago Ave.; cost, \$12,000.

St. Louis, Mo. — Two-sty brick factory; cost, \$4,500; owners and contractors, W. Walke & Co.

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HOUSES.

Boston, Mass.—Beacon St., No. 470, Ward 22, four-sty brick dwell., flat roof, 24' x 72'; owner, T. A. Hall, Jr.; builders, Morton & Chesley.
Haverd St., near School St., Ward 24, two frame dwells., 20' x 34' and 20' x 33.6'; owner, W. Boyd; builders, Decker Bros.
Granville St., near Adams St., Ward 24, two frame dwells., 28' x 42', and one-sty gambrel roof, 28' x 37'; owner, J. G. Young, Jr.; builder, Jerome B. Reeve.
Telegraph St., No. 48, Ward 15, frame dwell., 18.6' x 35'; owner, Mrs. L. Sullivan; builders, H. S. & N. Clark.
Sydney Pl., near Waterloo St., Ward 24, frame dwell., 24' x 34'; owner and builder, J. E. Bishop.
New Heath St., No. 34, rear, Ward 22, three-sty frame dwell., hip roof, 22' x 43.4'; owner, James Smith; builder, Charles Lemmler.
Weldon St., near Wenham St., Ward 23, frame dwell., 24' x 44'; owner, John McDonald; builder, J. F. Sullivan.
Brooklyn, N. Y.—Dikeman St., s. s. 100' w Conover St., four-sty brick dwell., tin roof; cost, \$10,000; owner, Henry Otten, 188 Dikeman St.; architect, C. M. Detlefsen, 164 Conover St.
Halsey St., n. s. 47' w Nostrand Ave., 19 three-sty brick dwells., gravel roofs; cost, \$6,500 each; owner, Wm. H. Reynolds, 1230 Bedford Ave.; architects, Langston & Dahlander, 1230 Bedford Ave.
Lorimer St., w. s. 50' s Johnson Ave., four-sty frame dwell., tin roof; cost, \$5,000; owner, David Stern, 36 Siegel St.; architect, Hugo Smith, 27 Moore St.
Fourteenth St., s. s. 277' e Eighth Ave., 2 two-sty brick dwells., tin roofs; cost, \$4,000 each; owner, architect and builder, Wm. Hawkins, 449 Fourteenth St.

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Chicago, Ill.—S. Olson, 3 two-sty dwells., 85 Boulevard Pl.; cost, \$6,500.
John S. Woollacott, 2 three-sty dwells., 1851-1853 Barry Ave.; cost, \$12,000.
R. M. Piotrkzy, three-sty dwell., 354 Ashland Ave.; cost, \$20,000.
C. C. Lundt, 2 two-sty dwells., 405-407 Forty-first St.; cost, \$10,000.
George Nessell, two-sty dwell., 5328 Madison Ave.; cost, \$4,000.
J. C. Muchmore, two-sty dwell., 888 Winthrop Ave.; cost, \$3,700.
Cincinnati, O.—J. A. Thompson, two-and-one-half-sty frame dwell., Grand Ave.; cost, \$3,500; architect, W. W. Franklin.
Anton Humber, 2 two-and-one-half-sty brick and stone dwells., St. Clair St.; cost, \$7,500; architects, Rieg & Marty.
New York, N. Y.—Eighty-first St., n. s. 100' w West End Ave., 5 three-sty brick dwells., tin and slate roofs; cost, \$80,000; owner, Bernard S. Levy, 121 West Seventy-eighth St.; architect, Charles H. Glisrael, 90 Nassau St.
River View Terrace, w. s. 125' n Dock St., 10 two-sty brick and frame dwells., peak, tin and slate roofs; cost, \$30,000; owner, Mary A. Walker, Huguenot, Richmond Co.; architect, Fred H. Dodge, Morris Heights.
Fulton Ave., e. s. 135' n One Hundred and Sixty-ninth St., 2 three-sty brick and frame dwells., tin roofs; cost, \$9,000; owner, Mrs. Henrietta V. Wheeler, 1314 Boston Ave.; architect, P. Duke Barnum, 1314 Boston Ave.
Washington Ave., w. s. 338' 6" n One Hundred and Sixty-ninth St., two-sty brick and frame dwell., tin roof; cost, \$3,300; owner, Harvey Berry, 832 Jackson Ave.; architect, Chas. C. Churchill, 3493 Third Ave.
One Hundred and Thirty-fourth St., s. s. 200' e Cypress Ave., two-sty brick and frame dwell., tin roof; cost, \$3,500; owner, Adam H. Gareiss, 907 East

BUILDING INTELLIGENCE.

One Hundred and Thirty-fourth St.; architect, A. Gareiss, Jr., 630 East One Hundred and Forty-second St.
Providence, R. I.—Cypress St., s. s. near North Main St., two-and-one-half-sty frame dwell.; cost, \$4,500; owner, Jas. McGovern; builder, John Butler.
Waldo St., s. s. two-and-one-half-sty frame dwell.; cost, \$3,000; owners, Thos. Brogan and wife; builder, Daniel Leddy.
Washington Ave., s. s. two-and-one-half-sty frame dwell.; cost, \$3,500; owner, Mrs. Hattie Robinson.
Somerville, Mass.—Porter St., cor. Carven St., frame dwell., 20' x 34', with L 7.6' x 14'; owner and builder, Olin E. Philbrick.
Hudson St., cor. Lowell St., frame dwell., 21' x 30'; owner and builder, J. E. Durgan.
Central St., bet. Oxford St. and Highland Ave., three-sty frame dwell., flat roof, 42.6' x 53'; owner, G. A. Maynard; builder, A. M. Godfrey.
Vine St., cor. Eliot St., two frame dwells., 20.8' x 35'; owner, Chas. More; builder, I. W. McArthur.
Vernon St., cor. Miner St., frame dwell. and store, 23' x 24'; owner and builder, A. A. Terrio.
Waldo St., near Hudson St., frame dwell., 25' x 29', with L 16' x 16'; owner and builder, M. K. Norwood.
St. Louis, Mo.—Three-sty brick dwell.; cost, \$5,000; owner, G. W. Dunn; contractor, J. Auger.
Two-sty brick dwell.; cost, \$3,200; owner, M. Faust; contractors, A. Wieden & Son.
Two two-sty brick dwells.; cost, \$16,000; owner, C. E. Udell; contractor, J. Tierney.
Two-sty brick dwell.; cost, \$11,000; owner, Jno. Deolin; contractor, P. J. Moynihan.
Two-sty brick dwell.; cost, \$12,000; owner, Chas. Gibson; contractor, P. J. Moynihan.
Two-sty brick dwell.; cost, \$2,500; owner, E. Rothenbuecker; contractor, Ph. Sauerweine.
Two-sty brick dwell.; cost, \$4,500; owner, M. C. O'Hara; contractor, G. H. Frame.

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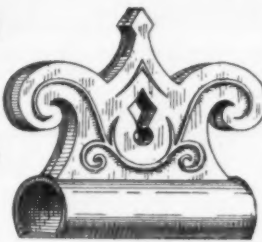
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Two-sty brick dwell.; cost, \$2,800; owners and contractors, Lee & O'Neil.

Two-sty brick dwell.; cost, \$2,500; owner, C. Bruning; contractor, A. Brum.

Two two-sty brick dwell.; cost, \$5,200; owner, L. S. Metcalfe; contractor, C. R. Wittig.

Two-sty brick dwell.; cost, \$5,000; owners, W. & R. W. Wray; contractor, C. B. McCormack.

Two-sty frame dwell.; cost, \$7,000; owner, Nathan Kaufman; contractor, S. L. Jones.

STORES.

Brooklyn, N. Y. - Third Ave., s w cor. Fiftieth St., four-sty brick store and dwell., tin roof; cost, \$9,000; owner, Christopher Osterheld, Bridge St., near Fulton Ave.; architects, H. L. Spicer & Son, Third and Fifty-third St.

Hamburg Ave., n w cor. Grove St., 4 three-sty frame stores and dwell., tin roofs; cost, \$4,500 each; owner, Mrs. Mary E. Jones, Cold Spring Harbor, L. I.; architect, Wm. Field, 1030 Gates Ave.

Crescent Ave., s e cor. Glen St., two-sty frame store and dwell., tin roof; cost, \$4,000; owner, Jos. Bernel, Middle Village, L. I.; architect, Ernest Dennis, 115 Himrod St.

Bedford Ave., Nos. 115-117-119, 3 four-sty brick stores and dwell., tin roofs; cost, \$10,000 each; owners, C. C. Gately and C. Friedmann, 139 Bedford Ave. and 174 South Ninth St.; architects, Charles Rents, 153 Fourth Ave., New York City.

Stagg St., n s, 425' w Waterbury St., three-sty frame store and dwell., tin roof; cost, \$4,800; owner, Adam Groh, 265 Stagg St.; architect, Th. Engelhardt, 905 Broadway.

Graham Ave., No. 53, four-sty frame store and dwell., tin roof; cost, \$8,000; owner, Max Schaffer, 791 Flushing Ave.; architect, H. Vollweiler, 483 Hart St.

Siegel St., s s, 50' w Graham Ave., 2 four-sty frame stores and dwell., tin roofs; cost, \$3,500 each; owner, M. Kempf, 156 McKibben St.; architect, Hugo Smith, 27 Moore St.

Rockaway Ave., w s, 250' n Eastern Parkway, 2 three-sty frame stores and dwell., tin roofs; cost, \$8,500 each; owner, B. Seesman, Rockaway Ave. near Belmont Ave.; architect, Hugo Smith, 27 Moore St.

Minneapolis, Minn. - Josiah Jones, five-sty brick store building, 317 First Ave., n; cost, \$15,000.

Somerville, Mass. - Marshall St., one-sty frame store, 39' x 50'; owner and builder, F. C. Fuller.

St. Louis, Mo. - Two-sty brick store and dwell.; cost, \$2,700; owner, H. Gunen; contractor, R. Deutman.

Three-sty brick store and dwell.; cost, \$8,500; owner, E. Schindler; contractor, L. Horman.

Two-sty brick store and dwell.; cost, \$5,400; owner, G. P. Wolf; contractor, C. B. McCormack.

Two-sty brick store and flats; cost, \$12,000; owner, A. P. Ghio; contractor, C. Linenbohl.

Two-sty brick store and flats; cost, \$15,000; owner, A. P. Ghio; contractor, C. Linenbohl.

Two-sty brick store; cost, \$5,000; owner, Fred Banister; contractor, C. B. McCormack.

Two-sty brick store; cost, \$5,000; owner, Cos Mfg. Co.; contractor, C. Dougherty.

WAREHOUSES.

Chicago, Ill. - M. F. Powers, three-sty warehouse, 312-314 Fulton St.; cost, \$10,800.

MISCELLANEOUS.

Boston, Mass. - Norfolk Ave., No. 84, rear, and Kemble St., Ward 20, one-sty brick boiler and engine-room, pitch roof, 34' x 68'; owner, Pearson Cordage Co.; builder, Herman Drake.

Brooklyn, N. Y. - Johnson Ave., No. 214, five-sty brick tailor shop, tin roof; cost, \$4,000; owner, G. Krakower, 220 Henry St., New York City; architect, H. Vollweiler, 483 Hart St.

BUILDING INTELLIGENCE.

Green St., s s, 325' e Oakland St., three-sty brick carpet cleaning establishment, tar and gravel roof; cost, \$8,500; owner, John C. Provost, 146 Hewes St.; architect, John P. Leo, 38 Park Row, New York City.

Chicago, Ill. - Danish Young People's Association, three-sty hall and flats, 615 Davis St.; cost, \$6,000.

Wesley Hospital Corporation, two-sty nurses home, Dearborn St., n e cor. Twenty-fifth St.; cost, \$7,000.

St. Louis, Mo. - Five-sty brick brewery; cost, \$130,000; owner, Columbia Brewery; contractors, Bothe & Katerman.

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Sealed proposals will be received at this office until 12 M., Monday, February 15, 1892, for materials and labor required in the construction of the elevators for the Massachusetts State-House Extension.

All information and instructions relating thereto may be had on application to the architects on and after the 27th day of January, 1892.

The Commissioners reserve the right to reject any and all bids, and bids received after the time named will not be considered.

All bids to be plainly marked "Bids for Elevators for the Massachusetts State-House Extension, Boston, Mass."

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BENJ. D. WHITCOMB, } Construction
WM. ENDICOTT, JR., } Commission.

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January 30, 1892. Sealed proposals will be received at the office of the Supervising Architect, Treasury Department, Washington, D. C., until 2 o'clock p. m. on the 29th day of February, 1892, for furnishing all the labor and materials required, and fixing in place complete, the low-pressure, return-circulation, steam-heating and ventilating apparatus (or otherwise, as the case may be) for the United States Post-office building at Lancaster, Pa., 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 Lancaster, Pa. Bids will also be considered for any other system of heating and ventilating in lieu of the above, and parties proposing to supply such must submit with their proposal plans and full specification for same. 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 Department will reject all bids received after the time herein stated for opening the same; also, bids which do not comply strictly with all the requirements and meaning of this invitation, or for any heating and ventilating apparatus not satisfactory to this department. Proposals must be enclosed in envelopes sealed and marked "Proposal for the Low-pressure, Return-circulation, Steam-heating and Ventilating Apparatus (or otherwise, as the case may be) for the United States Post-office building at Lancaster, Pa.," and addressed to W. J. EDBROOKE, Supervising Architect.

January 29, 1892. Sealed proposals will be received at the office of the Supervising Architect, Treasury Department, Washington, D. C., until 2 o'clock p. m. on the 25th day of February, 1892, for furnishing and erecting complete the hydraulic passenger-elevator, including pump, tanks, piping, car, etc., and the construction of well-hole for said elevator, for the United States Custom-house building at Cairo, Ill., in accordance with drawings and specification, copies of which may be had at this office or the office of the Custodian at Cairo, Ill. Each proposal must be accompanied by

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January 27, 1892. Sealed proposals will be received at the office of the Supervising Architect, Treasury Department, Washington, D. C., until 2 o'clock p. m. on the 18th day of February, 1892, for all the labor and materials required and fixing in place complete, the low-pressure, return-circulation, steam-heating and ventilating apparatus for the United States Court-house, Post-office, etc., building at Denver, Colo., 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 Denver, Colo. Bids will also be considered for any other system of heating and ventilating in lieu of the above and parties proposing to supply such, must submit with their proposal plans and full specification for same. 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 Department will reject all bids received after the time herein stated for opening the same; also, bids which do not comply strictly with all the requirements and meaning of this invitation, or for any heating and ventilating apparatus not satisfactory to this department. Proposals must be enclosed in envelopes sealed and marked "Proposal for the Low-pressure, Return-circulation, Steam-heating and Ventilating Apparatus (or otherwise, as the case may be) for the United States Court-house, Post-office, etc., at Denver, Colo.," and addressed to W. J. EDBROOKE, Supervising Architect.

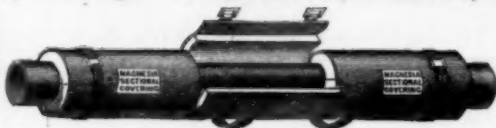
January 25, 1892. Sealed proposals will be received at the office of the Supervising Architect, Treasury Department, Washington, D. C., until 2 o'clock p. m. on the 23d day of February, 1892, for all the labor and materials required and fixing in place complete, the low-pressure, return-circulation, steam-heating and ventilating apparatus for the United States Custom-house and Post-office building at New Bedford, Mass., 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 New Bedford, Mass. Bids will also be considered for any other system of heating and ventilating in lieu of the above, and parties proposing to supply such must submit with their proposal, plans and full specification for same. Each bid must be accompanied by a certified check for a sum not less than two per cent of the

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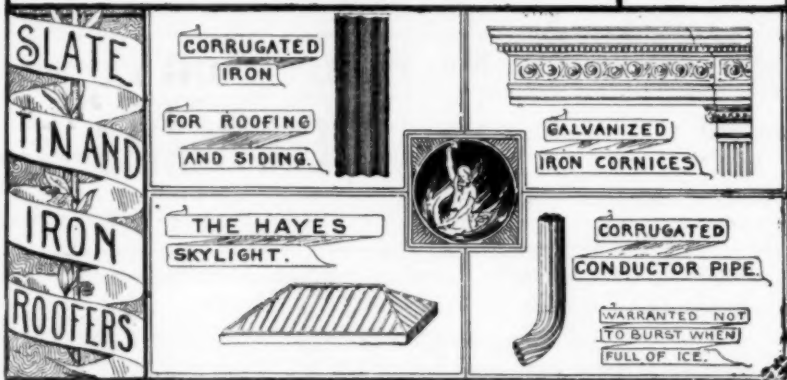
PROPOSALS.

amount of the proposal. The Department will reject all bids received after the time herein stated for opening the same; also, bids which do not comply strictly with all the requirements and meaning of this invitation, or for any heating and ventilating apparatus not satisfactory to this Department. Proposals must be enclosed in envelopes sealed and marked "Proposal for the Low-Pressure, Return-Circulation, Steam-Heating and Ventilating Apparatus (or otherwise as the case may be) for the United States Custom-house and Post-office Building at New Bedford, Mass.," and addressed to W. J. EDBROOKE, Supervising Architect.

January 18, 1892. Sealed proposals will be received at the office of the Supervising Architect, Treasury Department, Washington, D. C., until 2 o'clock P. M. on the 18th day of February, 1892, for all the labor

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PROPOSALS.

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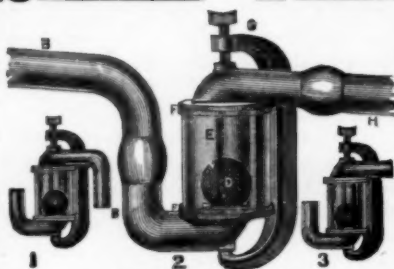
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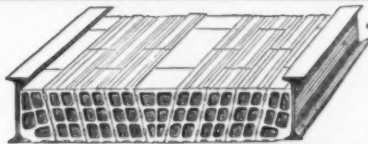
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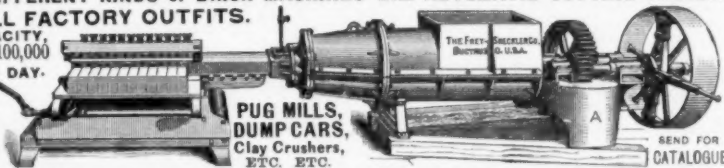
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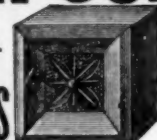
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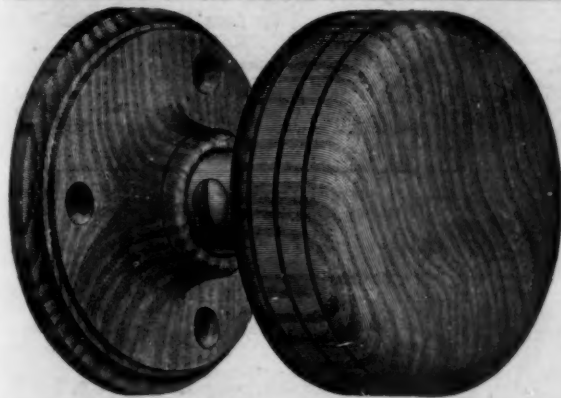
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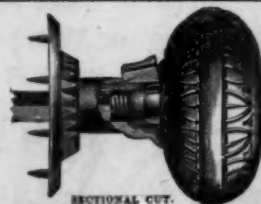
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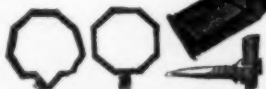
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Hemlock.....

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Cypress.....

Clapboards:

Pine.....

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..... 7 x 24

Miscellaneous:

Piles..... P. ft.

Fence pickets, Common.....

Cedar posts, 9 ft. (sq. posts.).....

Chestnut posts.....

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Cherry.....

Butternut.....

Hard-pine floors (frst).....

" Mahogany, Baywood (Mexican).....

" St. Domingo.....

Maple.....

Oak, red.....

" white.....

" quartered.....

Sycamore quartered.....

Pine, clear.....

Redwood.....

Rosewood..... P. ft.

Spruce floors (clear, kiln-dried).....

Walnut, black.....

Whitewood.....

Yellow pine..... P. M.

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(Prices to Builders and Contractors.)

55 00 @ 75 00	50 00 @ 60 00	30 00 @ 47 00	48 00 @ 55 00
55 00 @ 60 00	42 00 @ 50 00	25 00 @ 28 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	13 50 @ 25 00	Not sold.	16 00 @ 20 00
ea 13 1/2 @ 14	13 00 @ 15 00	12 00 @ 12 00	11 25 @ 13 50
20 @ 40	25 00 @ 35 00	29 00 @ 37 00	14 00 @ 29 00
@	31 00 @ 40 00	@	@ 35 00
@	38 00 @ 60 00	10 00 @ 22 00	14 00 @ 25 00
@	23 00 @ 35 00	Not sold.	Not sold.
14 00 @ 18 00	15 00 @ 18 00	12 00 @ 15 00	25 00 @ 37 30
12 00 @ 16 00	14 00 @ 15 00	Not sold.	16 00 @ 18 00
18 00 @ 21 00	24 00 @ 35 00	10 00 @ 13 00	13 00 @ 17 00
@	2 25 @ 2 35	2 10 @ 2 25	2 75 @ 3 00
2 75 @ 3 00	2 35 @ 2 50	Not sold.	2 30 @ 3 00
5 00 @ 6 00	@	Not sold.	2 20 @ 3 00
4 00 @ 5 00	@ 4 50	Not sold.	Not sold.
1 50 @ 2 00	1 50 @ 00	6 00 @ 7 50	30 00 @ 40 00
1 40 @ 1 60	3 75 @ 4 00	Not sold.	24 00 @ 35 00
@	@	Not sold.	20 00 @ 35 00
@	2 00 @ 4 00	2 00 @ 2 35	11 00 @ 14 00
18 00 @ 20 00	5 00 @ 6 00	3 50 @ 4 00	
4 1/2 @ 5 1/2	Piles 6c. P. ft.	Cut to order.	9 00 @ 13 00
8 00 @ 10 00	10 00 @ 18 00	P. 10 00 @ 18 00	40 @ 1 25
@	25 @ 50	9 @ 21	20 @ 30
@	25 @ 50	Not sold.	
@ 55 00	45 00 @ 60 00	30 00 @ 35 00	30 00 @ 40 00
60 00 @ 120 00	90 00 @ 120 00	80 00 @ 110 00	100 00 @ 120 00
40 00 @ 60 00	60 00 @ 70 00	50 00 @ 60 00	70 00 @ 80 00
@	45 00 @ 50 00	@	@
@ 180 00	150 00 @ 180 00	150 00 @ 200 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	18 00 @ 35 00	25 00 @ 55 00
@ 70 00	@ 50 00	32 00 @ 40 00	45 00 @ 55 00
@ 70 00	50 00 @ 55 00	22 00 @ 40 00	45 00 @ 55 00
@ 90 00	65 00 @ 75 00	45 00 @ 50 00	60 00 @ 75 00
Sycamore quartered.....	50 00 @ 65 00	35 00 @ 50 00	57 50 @ 65 00
Pine, clear.....	50 00 @ 75 00	35 00 @ 50 00	@ 65 00
Redwood.....	60 00 @ 70 00	55 00 @ 60 00	60 00 @ 75 00
@	@	@	@
Rosewood..... P. ft.	22 00 @ 35 00		
Spruce floors (clear, kiln-dried).....	85 00 @ 120 00	55 00 @ 100 00	50 00 @ 170 00
Walnut, black.....	40 00 @ 45 00	18 00 @ 40 00	25 00 @ 40 00
Whitewood.....	40 00 @ 42 00	29 00 @ 40 00	50 @ 45 00
Yellow pine..... P. M.			

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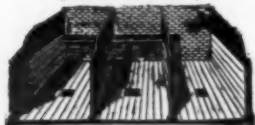


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	New York.	Boston.	Chicago.	Philadelphia.
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BRICK.—P. M.				
Common: Cargo afloat.				
Pale.....	2 50 @ 3 00	Eastern } 9 00 @ 10 00	Building Brick	Sq. Hard @ 9 00
Jersey.....	4 50 @ 5 00	Bay State Hard	@ 6 50	" @ 7 00
Long Island.....	5 50 @ 6 00	7 00 @ 8 00		Salmon @ 5 00
Up River.....	@	Domestic Com.	Indiana Pressed	Sq. " @ 9 00
Haverstraw Bay 2d.....	@	9 50 @ 10 00	14 00 @ 20 00	Light Stretchers @ 10 00
" 1st.....	@	Domestic Face	St. Louis Fronts	Medium " @ 12 00
Hollow.....	@ 13 00	20 00 @ 22 00	@ 27 00	Red " @ 13 00
Fronts:		Philadelphia } 40 00 @ 45 00		Dark " @ 13 00
Croton, Brown.....	@ 13 00	40 00 @ 45 00		Pressed " @ 13 00
" dark.....	@ 14 00	Phila. mould } 50 00 @ 80 00		Best Paving " @ 14 00
" red.....	@ 14 00	Anderson } 14 00 @ 32 00		Second " @ 13 00
Chicago pressed (Anderson).....				Third " @ 12 00
" Moulded.....				Dom. { @ 65
Baltimore.....	37 00 @ 41 00			@ 87
Philadelphia.....	23 00 @ 24 00			
Trenton.....	22 00 @ 23 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			
CEMENT, LIME, etc.—(P. cash.)				
Rosendale Cement.....	1 15 @ 1 20	1 20 @ 1 40	Not sold.	1 30 @ 1 50
Louisville.....		Brooks, S. & Co.	1 05 @ 1 30	BS&Co 2 75 @ 3 00
Utica, Akron, Buffalo, Milw'kee.....	Not sold.	2 60 @ 3 00	1 00 @ 1 25	2 85 @ 3 25
Portland, English (Gibbs).....	2 50 @ 3 00	2 60 @ 3 00	2 75 @ 3 25	2 85 @ 3 15
" (K. B. & S.).....	2 50 @ 3 00	2 60 @ 3 00	3 00 @ 3 25	2 75 @ 3 00
" Black Cross.....	2 25 @ 2 50	2 60 @ 3 00	3 00 @ 3 25	2 85 @ 3 15
" (Burnham).....	2 50 @ 2 80	2 60 @ 3 00	2 80 @ 3 15	2 75 @ 2 85
" (White's).....	2 65 @ 3 00	2 60 @ 3 00	3 00 @ 3 25	
" French (Lafarge).....	3 60 @ 3 75	@ 5 00	3 75 @ 4 25	Hemmoor 2 50 @ 2 75
" German (Alsen).....	2 30 @ 3 25	3 00 @ 3 50	@ 3 20	2 75 @ 2 85
" (Fewer).....	2 25 @ 2 40	3 15 @ 3 35	3 20 @ 3 40	Josson 2 60 @ 2 75
" (Vorwöhler).....	2 50 @ 2 90	Cleopatra	2 75 @ 3 00	3 00 @ 3 25
" (Lagerdofer).....	2 90 @ 3 25	2 55 @ 3 00	3 25 @ 3 50	Not sold.
" (Dyckerhoff).....	2 50 @ 3 00	3 00 @ 3 50	Not sold.	2 70 @ 3 00
" (Hanover).....	2 35 @ 2 85		2 75 @ 3 25	3 00 @ 3 50
" Stettin (Anchor).....	2 15 @ 2 45	2 15 @ 2 50	6 00 @ 7 00	8 00 @ 9 00
" American (Saylor's).....	2 75 @ 3 00	@ 6 00	9 00 @ 10 50	
Roman.....	5 75 @ 6 50	@ 11 50		
Keene's coarse.....	9 25 @ 10 25			
" superfine.....				
Lime:				
Lime of Teil.....	3 50 @ 4 00	@ 1 35	Not sold.	White Lime P bush 25 @ 30
Hydraulic Lime.....	@ 1 45	St. John 1 00	55 @ 60	{ White Mash 1 25 @ 1 50
Chicago Lime in bulk.....		@ 1 05	Not sold.	1 00 @ 1 00
Wisconsin Lime.....	@ 1 00	@ 1 10	Not sold.	Not sold.
Rockland and Rockport, (Com.).....	@ 1 20	@ 1 20	1 00 bulk, 75c.	Not sold.
Rockland and Rockport, finish.....	@ 85	Not sold.	Not sold.	Not sold.
Kelley Island Lime, finish.....	@ 1 05	Not sold.	1 85 @ 1 90	1 50 @ 2 25
State, com. cargo rates (nom.).....	1 20 @ 1 25	1 85 @ 2 00	1 85 @ 1 90	1 75 @ 2 50
State, finishing.....	1 30 @ 1 35	@ 2 25	20 @ 25	20 @ 25
Plaster of Paris (calcined).....	16 @ 18	25 @ 30	30 @ 35	30 @ 35
" (casting).....	25 @ 28	1 75 @ 1 90	@ 60	@ 1 50
Hair (Cattle) P bush.....	1 00 @ 1 25			
" (Goat).....				
Sand, P load.....				
STONE. (P cubic foot, rough.)				
Granite: (Maine)		@ 60		55 @ 65
Limestone:				75 @ 90
Bedford.....	45 @ 1 25	95 @ 1 00	50 @ 55	Richmond 75 @ 1 50
Joliet.....	@ 1 00		35 @ 60	P Perch @ 4 50
Lemont.....	@		@ 1 00	
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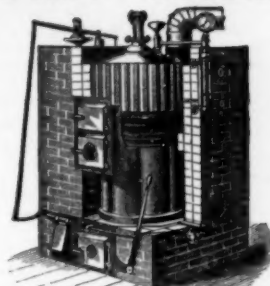
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Black, brown, buff & lb.	24			
Colorful. & lb.	24			
Red. & lb.	3			
White. & lb.	1 75			
Foundation:				
Dimension.		5 00 & ton.		
Block.		4 60 & perch.		
Rubble.		1 25 & 1 50		
Bluestone: & sq. ft.)				
Sidewalk.	30 @ 5 00	40 @ 1 75	75 @ 1 00	1 in. th. 10 @ 25
Planed.	50 @ 6 00	@ 75	50 @ 1 00	37 @ 50
Sandstone:				
Longmeadow.	@ 80	80 @ 90		
Kibbe.	@ 90	90 @ 1 10		
Brown (Connecticut).	1 00 @ 95	1 25 @ 1 45	1 50 & cub. ft.	95 @ 1 16
Amherst.	90 @ 95	90 @ 1 00	45 @ 50	1 05 @ 1 35
Berea.	75 @ 1 00	85 @ 90	45 @ 55	55 @ 1 00
Berlin.	75 @ 1 00	80 @ 90	55 @ 65	
Belleville.	80 @ 1 25	1 25 @ 1 35	@ 1 25	1 10 @ 1 00
New Brunswick (Dorchester).	1 00	75 @ 90		1 00 @ 1 00
Caen.	@ 1 05	@ 2 00		1 25 @ 1 00
Carlisle, English.	@ 1 05	@ 1 05		95 @ 1 00
Corse Hill (Scotch).	@ 1 05	@ 1 05		
Marble: (& 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 (& 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	2 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.	@ 25 00
N. Peach Bottom, warranted unfading.	@	@	@	6 00 @ 6 75
PAINTS. (In Oil & lb.)				
White lead, Am.	7 @ 7 1/2	7 @ 7 1/2	6 1/2 @ 7	@ 7 1/2
" zinc.	5 @ 8 1/2	5 @ 8 1/2	7 @ 10 1/2	@ 7
Red lead, Am.	6 1/2 @ 7	7 @ 7 1/2	6 1/2 @ 7	@ 7 1/2
" Venetian.	6 @ 10 1/2	7 @ 12	13 @ 2 1/2	@ 7
" Vermillion.	65 @ 70	70 @ 75 dry	65 @ 68	dry Eng. @ 7
" Indian, Eng.	12 @ 20	12 @ 20	12 @ 20	Eng. @ 7
Yellow Ochre.	6 @ 15	7 @ 12	3 @ 15	dry Am. @ 14
" Chrome.	12 @ 20	18 @ 25	15 @ 25	@ 15
Green (chrome).	8 @ 13	8 @ 20	8 @ 20	@ 21
Green, Paris.	25 @ 40	25 @ 40	18 @ 35	@ 20
Black, lamp.	15 @ 25	15 @ 25	8 @ 30	@ 12
Blue, ultramarine.	12 @ 18	18 @ 30	12 @ 35	@ 24
Oil, linseed, (raw).	55 @ 62	37 @ 38	57 @ 60	@ 60
" boiled.	58 @ 65	40 @ 41	60 @ 63	@ 63
Turpentine.	36 @ 37	@ 40	51 @ 51	@ 44
Varnish, coach.	@	1 50 @ 6 00	1 25 @ 2 00	125 @ 3 00
Shellac.	@	2 50 @ 3 00	2 25 @ 4 00	150 @ 3 00
Putty.	2 @	2 @ 4	2 @ 2 1/2	2 @ 2 1/2
Whiting.	75 @ 1 00	1 @ 13	1 @ 14	1 @ 2
Paris white, (Eng.).	1 30 @ 2 00	2 @ 3	1 1/2 @ 2	1 1/2 @ 2
Litharge, Am.	5 1/2 @ 6	7 @ 7 1/2	6 1/2 @ 7	4 @ 7 1/2
Sienna (burnt).	14 @ 20	14 @ 20	4 @ 16	4 @ 14
Umber.	14 @ 20	14 @ 20	2 @ 10	2 @ 13
HARDWARE.				
Nails: (Per Cask.) Spikes, (wrought.)	@ 2 85	@	2 75 @ 3 00	per keg @ 2 25
10d. common.	@ 2 60	@ 2 10	@ 2 35	@ 2 30
Shingle.	@ 3 35	@ 2 20	@ 2 75	@ 2 60
Lath.	@ 4 85	@ 3 10	@ 3 65	3 00 @ 4 75
(Finishing nails according to size.)	@	@	Add .85 to \$1.15	per lb. 4 @ 6
(For casing nails add 75 c. per keg.)	@	@	50 to .90	Add per cask
Butts: 4" x 4" (& doz. pairs.)				2 90 (all kinds.)
Plain.	@ 1 00	@ 1 20	@ 90	@ 90
Japaned.	@ 1 50	@ 1 75	Not Sold.	1 35 @ 2 00
Acorn, Japaned.	@ 65	@ 50	2 00 @ 3 75	1 35 @ 2 75
Ball Tip, Boston Finish (& pair.)	@ 1 90	plain 1 65	Not Sold.	48 @ 50
Bronze metal.	@ 10	@ 10	2 00 @ 3 25	@ 1 25
Brass (for cupboards.)	@ 10	@ 10	@ 12	@ 1 00
Ebony.	@	@	@	@ 35
Apple wood.	@	@	@	37 @ 1 00
Knobs: (& set.)				
Mineral, best.	@ 8	@ 8	8 @ 10	@ 08
Lava.	@ 5	@ 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:				
Sheet Lead.	@	@ 7 1/2	@ 7	13 1/2 @ 16
Lead Pipe.	@	@ 6 1/2	@ 6 1/2	@ 16
Iron:				
1-Beams, up to and including 36 ft.	3 3-10 @ 3 1/2	@ 3 1-10	@	@ 2 8-10
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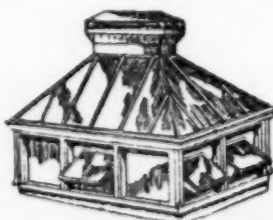
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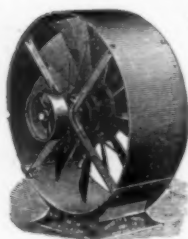
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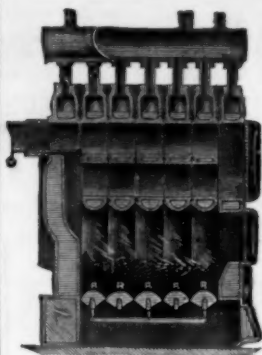


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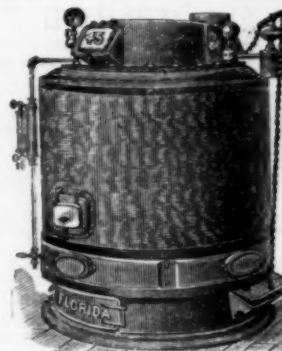
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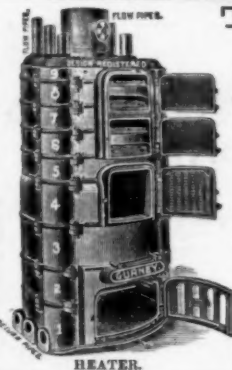
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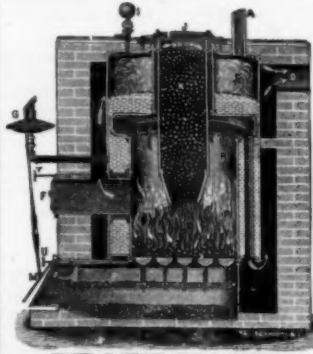
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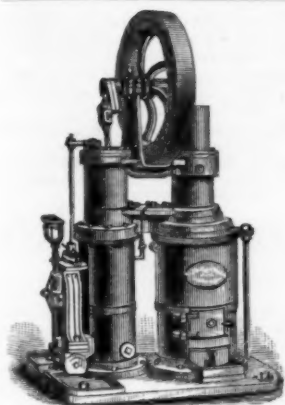
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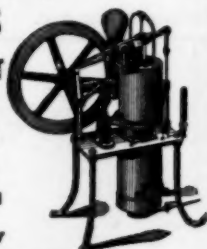
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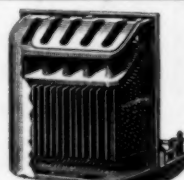
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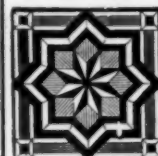
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PUBLISHERS' DEPARTMENT.

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New Advertisements.

POTSDAM RED SANDSTONE CO. (Potdam, N. Y.), Red Sandstone. Page xix.
J. BARDSLEY (New York, N. Y.), Wood Door Knobs. Page 3, Cover.
JOHN CARBUTT (Wayne Junction, Philadelphia, Pa.), Dry Plates and “Celluloid” Films. Page xiv.
THE ROYAL INSTITUTE OF BRITISH ARCHITECTS (London, W., Eng.), Examinations. Page xiv.

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DRAUGHTSMAN.—Wanted, competent architectural draughtsman. State terms, age, experience and references. John C. Smith, Architect, Harrisburg, Pa. 842

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SITUATION.—A designer for interior decoration wants a situation as first designer in a fine furniture house or architect's office. He is able to do the different French and Italian styles, also perspective sketches in water-color. Only a permanent and leading position wanted. Write to “B. T. E.” *American Architect*. 842

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467,970. AUTOMATIC FIRE-EXTINGUISHER.—Osborn B. Hall, Malden, Mass.
467,981. BRICK-KILN.—George C. Little, Vance, Kansas.
468,015. METAL ROOFING.—William L. and Henry Heberling, Havana, Ill.
468,016. ROOFER'S BENDING TOOL.—William L. and Henry Heberling, Havana, Ill.
468,040. LATCH.—Auguste Didon, Chicago, Ill.
468,062. BOLSTER FOR BEAMS.—Louis Duvinage, Brooklyn, N. Y.
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ASTON WEBB, Hon. Secretary.

WILLIAM H. WHITE, Secretary.

THE ROYAL INSTITUTE OF BRITISH ARCHITECTS,
9 Conduit St., Hanover Sq., LONDON, W.
25th January, 1892. 844

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BUILDING PATENTS.

- 468,228-229. METHOD OF CONSTRUCTING FOUNDATIONS FOR BUILDINGS.—John E. Robinson, Philadelphia, Pa.
468,253. ELECTRIC ELEVATOR.—Albert Neuburger, Kansas City, Mo.
468,268. CONCRETE POST, DOOR-STEP, TABLETOP, ETC.—Omar A. Stempel, St. Louis, Mo.
468,269. METAL-BRACE-FRAMED CONCRETE PIPE.—Omar A. Stempel, St. Louis, Mo.
468,290. CONCRETE-MIXING MACHINE.—William C. Barr, Jersey City, N. J.
468,291. PILE ARMOR OR CASING.—George W. Bedbury, Alameda, and Eugene F. Badgley, San Francisco, Cal.

(Continued on page xv.)

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From Antwerp. — Steamer "Pennland," 500 barrels cement, E. Thiele; 5 do., order.

From Genoa. — Steamer "Fulda," 267 slabs marble, Albert Roussel; 2 cases do., 246 do. cement tiles, order.

From Glasgow. — Steamer "Asyria," 147 cases granite, Austin, Baldwin & Co.; 5 do., order. Steamer "Anchoria," 98 packages bricks, order. Steamer "Siberian," 84 cases granite, Austin, Baldwin & Co.

From Hamburg. — Bark "Lovise," 2,250 barrels cement, order.

From Hull. — Steamer "Hindoo," a quantity of cliff stone, Sandison & Son; 148 cases bricks, Brown Bros. & Co.

From Laguna. — Schooner "Mannet R. Cuza," 183 logs mahogany, 46 log ends do., Thebaud Bros.

From Leghorn. — Bark "Giovanni S.," 27 blocks marble, G. Amsinck & Co.; 1,039 marble slabs, order.

From Liverpool. — Steamer "Aurania," 472 cases bricks, Howard Fleming. Steamer "Runic," 12 logs wood, W. E. Uptegrove & Bro.

From Marseilles and Naples. — Steamer "Massilia," 6 blocks marble, A. Roussel.

From Nassau. — Steamer "Johannes Brun," 8 tons sabicu (54 logs) 22 do. yellow wood, C. A. Haynes & Co.

From St. Jago. — Steamer "Cienfuegos," 43 logs mahogany, Ichabod J. Williams & So; 15 do., Willard Hawes & Co.

From Trinidad. — Steamer "Moruca," 1,300 tons asphaltum, order.

From Vera Cruz. — Steamer "City of Washington," 17 blocks marble, James E. Ward & Co.

From Zaza and Santa Cruz, Cuba. — Schooner "M. A. Achorn," 103 pieces mahogany, 1,396 do. cedar, Adams & Jimenes.

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.

Flushing, L. I. — Alterations and decorations to house for C. McKim; architect, H. Edwards Ficken.

Minneapolis, Minn. — North Third St., Nos. 15-19, two-sty addition to brick building; cost, \$15,000; owners, F. A. Fisher & Co.

South Third St., Nos. 39-41, alteration of barn into stores; cost, \$12,000; owner, E. J. Rose.

New York, N. Y. — West One Hundred and Twenty-fifth St., three-sty brick store-building, extension; cost, \$4,000; owner, A. J. Martin, Catskill, Green Co., N. Y.; architect, Theo. E. Thomson, 247 West One Hundred and Twenty-fifth St.

Courtland St., No. 22, four-sty brick store-building, internal alterations; cost, \$10,000; owner, Wm. H. Bradford, 21 Washington Pl.; architects, F. & W. E. Bloodgood, 8 York St.

Broadway, Nos. 739-741, five-sty brick store, internal alterations; cost, \$5,000; owner, Mrs. Hannah G. Gerry, 261 Broadway; architects, Renwick, Aspinwall & Renwick, 71 Broadway.

Sixth Ave., w s, 709 2d, a Thirteenth St., three-sty brick store-building, extension; cost, \$3,500; owner, E. L. Macomb Bristol, 273 West End Ave.; architects, Buchman & Deisler, 8 West Twenty-ninth St.

Washington St., Nos. 375-377, five-sty brick store, internal alterations; cost, \$3,000; owners, Farmers' Loan and Trust Co., trustees, 16-22 William St.; architect, George B. Post, 33 East Seventeenth St.

West Twenty-fourth St., Nos. 13-15, four-sty brick dwell., internal alterations; cost, \$18,000; owner, David B. Williams estate, Dobb's Ferry, N. Y.; architect, W. G. Jones, 17 West Thirteenth St.

BUILDING INTELLIGENCE.

Delancey St., No. 316, five-sty brick tenement, repaired where damaged by fire; cost, \$5,000; owner, Philip Cohen, 49 Cannon St.; architect, Fred Ebeling, 3 First Ave.

Park Ave., s w cor. Forty-second St., two-sty brick office-building, raised to five stories, with alterations; cost, \$38,000; owners, N. Y. C. & H. E. R. Co., East Forty-second St.; architect, Bradford L. Gilbert, 50 Broadway.

West Forty-ninth St., No. 62, alterations and decorations of house of James F. Sutton; architect, H. Edwards Ficken.

Plainfield, N. J. — Alterations and decorations of house for Rowland Cox; architect, H. Edwards Ficken.

APARTMENT-HOUSES.

Boston, Mass. — Huntington Ave., Nos. 202-204, Ward 11, 2 four-sty brick apartments, flat roofs, 27' 4" x 81'; owner and builder, Albion Knowlton.

New York, N. Y. — One Hundred and Sixth St., n s, 100' e Fifth Ave., 3 five-sty brick flats, tin roofs; cost, \$90,000; owner, Mary E. Gault, 1837 Madison Ave.; architects, Whittall & Campbell, 81 East One Hundred and Twenty-fifth St.

Morris Ave., s e cor. One Hundred and Forty-eighth St., four-sty brick flat, tin roof; cost, \$16,000; owner, Betty Otten, 519 Morris Ave.; architect, M. J. Garvin, 3311 Third Ave.

Tenth St., s s, 78' e Sixth Ave., 2 five-sty brick flats, tin roofs; cost, \$20,000; owner, William J. Moore, 516 West Fifty-second St.; architect, Geo. Keister, 146 West Thirty-fourth St.

Bradhurst Ave., 70' n One Hundred and Fifty-third St., four-sty brick flat, tin roof; cost, \$18,000; owner, Mrs. E. E. Berron, 798 Ninth Ave.; architect, Richard E. Davis, 247 West One Hundred and Twenty-fifth St.

One Hundred and Fortieth and One Hundred and Forty-first Sts., n e and s e corners Willis Ave., and Willis Ave., 10 five-sty apartment-houses; owner, William O'Gorman; architect, Walter H. Hornum.

CHURCHES.

Ambler, Pa. — Presbyterian Church, Indiana limestone, slate roof; seating-capacity, abt. 300; architect, T. Frank Miller, 1221 Arch St., Philadelphia.

Cape May City, N. J. — Presbyterian Church; cost, abt. \$12,000.

Durham, N. C. — An edifice to cost about \$50,000 will probably be built for Trinity Church.

Frankford, Pa. — Hazlehurst & Huckel, architects, are engaged on plans for the new Central Methodist Episcopal Church and for the enlargement of the Sabbath School in the rear.

FACTORIES.

New York, N. Y. — Ninety-eighth St., s s, 100' w First Ave., five-sty brick factory, tin roof; cost, \$19,000; owner, Francis A. Clark, 165 East Ninety-fifth St.; architect, Edward Wenz, 1491 Third Ave.

Philadelphia, Pa. — East Thirty-ninth St., bet. Snyder Ave. and McKean St., three-sty brick factory; contractors, Bent Bros., 2000 South Ninth St. Thompson St., e s, s Adams St., two-sty corrugated iron factory; owners, B. H. Comp & Co., Thompson St., cor. York St.

St. Louis, Mo. — Two-sty brick factory; cost, \$7,000; owner, Mo. Iron Roof & Cov. Co.; contractors, Kennedy & Marthis.

Two-sty brick factory; cost, \$2,700; owner and contractor, St. Louis Basket & Box Co.

HOTELS.

Fishers Island, N. Y. — Brick and frame hotel with accommodations for 150 guests; owners, the Messrs. Ferguson of Fishers Island, N. Y.; architect, H. Edwards Ficken.

HOUSES.

Allegheny City, Pa. — Fifty-four two-sty buff brick dwell.; architect, Harold Godwin, 905 Walnut St., Philadelphia, Pa.

Baltimore, Md. — Hy. Schwab, 2 three-sty brick buildings, n s Fayette St., bet. Pearl and Arch Sts., Levi Goldsmith, three-sty brick building, e s High St., n Baltimore St.

Wm. S. Fry, three-sty brick building, s e cor. Broadway and Mullikin St.

Boston, Mass. — Dalmatia St., near Howard Ave., Ward 20, three-sty frame dwell., flat roof, 23' x 50'; owner, I. H. Burritt; builder, John Bass.

Howe St., near Hancock St., Ward 24, frame dwell., flat roof, 25.10' x 25.6'; owner, Sarah A. Woods; builder, David Currier.

West Fifth St., Nos. 63-65, Ward 13, three-sty frame dwell., flat roof, 25.4' x 30'; owner, Harrison Dunham.

Day St., Nos. 56-60, Ward 22, three frame dwells., 25.6' x 26' and 24' x 30'; owners, Workmen's Building Association; builder, G. W. Pope.

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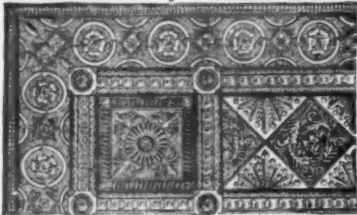
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Round Hill St., Nos. 62-64, Ward 22, two frame dwell., 24' x 30' and 25.6' x 26'; owner, Workingmen's Building Association; builder, G. W. Pope.
Langdon St., Nos. 17-19, Ward 20, 2 three-st'y frame dwell., flat roofs, 22' x 53.6'; owner, Ernest Brennan; builder, A. J. Brennan.

Chapman Ave., near Birch St., Ward 24, frame dwell., 21.3' x 26'; owner, D. C. Azulne; builders, Whittaker & Gerrish.

White St., near McClennan Ave., Ward 24, frame dwell., 25' x 51'; owner, W. A. Rogers; builders, Moulton & Chase.

Washington St., No. 3950, Ward 23, frame dwell., 29' x 59'; owner, Mrs. E. L. Poole; builder, Peter Schneider.

Whitney St., cor. Smith St., Ward 22, three-st'y frame dwell. and store, flat roof, 18.6' x 45'; owner, Michael Niland; builders, J. H. Pierce and Campbell.

Tappan St., near South St., Ward 23, two frame dwell., 20' x 41.6'; owner, Stephen Condon; builder, T. D. Condon.

Ruthven St., near Harold St., Ward 21, frame dwell., 23.6' x 42'; owner, P. B. Goodell; builders, Alcock & McKay.

B St., No. 106, Ward 13, three-st'y frame dwell., flat roof, 22' x 41'; owners, Boston Real Estate Trust Co.; builders, M. S. & G. N. Miller.

Murlock St., near North Beacon St., Ward 25, frame dwell., 25.4' x 31'; owner, John Kelley.

Warren Ave., near Coolidge Ave., Ward 24, frame dwell., 28' x 44'; owner, G. F. Pinkham; builder, B. T. Emery.

Clarkson St., near Bennington St., Ward 24, frame dwell., 24' x 36'; owner and builder, Hugh Chisholm.

Brooklyn, N. Y. — Flushing Ave., n. s. 23' e Bushwick Ave., two-st'y frame dwell., tin roof; cost, \$1,000; owner, Mr. Stoffregen, Flushing Ave. and Broadway; architect, Hugo Smith, 27 Moore St.

Carroll St., s. s. 150' w Third Ave., four-st'y frame dwell., tin roof; cost, \$4,000; owner, James Christian, 458 Carroll St.; architects, H. L. Spicer & Son, Third Ave. and Fifty-third St.

Jerome St., e. s. 173' s Arlington Ave., two-st'y frame dwell., shingle roof; cost, \$3,400; owner and builder, John C. Smith, 30 Wyona St.; architect, Chas. Infanger, 126 Van Sielen Ave.

Bleecker St., n. s. 325' w Central Ave., 7 three-st'y frame dwell., tin roofs; cost, \$3,500 each; owners, F. Roeder and A. Froese, 107 Bleecker St.; architect, Henry Loeffler, Jr., 788 Myrtle Ave.

Ingraham St., n. s. 100' e Bogart St., 2 three-st'y frame dwell., tin roofs; cost, \$3,500 each; owners, architects and builders, L. Erk and Jos. Abt, 20 and 14 Ingraham St.

Stagg St., No. 20, three-st'y frame dwell., tin roof; cost, \$4,000; owner, Geo. Effinger, on premises; architect, F. J. Berlenbach, Jr., 269 Graham Ave.

Boerum St., n. s. 75' w Bushwick Ave., four-st'y frame dwell., tin roof; cost, \$5,000; owner, Samuel Cohen, 186 Montrose Ave.; architect, Hugo Smith, 27 Moore St.

Boerum St., No. 163, four-st'y frame dwell., tin roof; cost, \$5,000; owner, O. Stromensky, 163 Boerum St.; architect, Hugo Smith, 27 Moore St.

Moore St., n. s. 329' w White St., 2 three-st'y frame dwell., tin roofs; total cost, \$8,000; owner,

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Fred Elfslein, 203 Moore St.; architect, E. Schrenpf, 36 Monteth St.

Fulton St., n. e. cor. Van Sielen Ave., three-st'y frame dwell., tin roof; cost, \$6,000; owner, G. H. Meyn, 389 Oakland St.; architect, Ed. Ahrens, 526 Manhattan Ave.

Buffalo, N. Y. — Frame dwell., 42.6' x 64'; old colonial style, cost, \$20,000; owner, Geo. E. Laverick; contract to be let; architect, E. A. P. Newcomb, Boston.

Burlington, Vt. — Brick veneered dwell., 46' x 48'; cost, abt. \$10,000; owner, Prof. S. F. Emerson; contract to be let; architect, E. A. P. Newcomb, Boston.

Chester, Pa. — About 30 brick dwell. will be built in Ward 1 for Edward Dickerson and others.

Chestnut Hill, Pa. — Stone dwell. for H. J. Maris; architects, Hazlehurst & Huckel, Drexel Building, Philadelphia, Pa.; contractor, W. J. Grubler, Germantown, Pa.

Cohasset, Mass. — Frame cottage, 28' x 48'; cost, \$3,000; owner, A. J. Hobart; builder, Billings Merritt; architect, E. A. P. Newcomb, Boston.

Downington, Pa. — A dwell. will be built for Dr. L. T. Bremnerman.

Germantown, Pa. — Green St., three-st'y stone dwell., shingle roof; owner, Dr. Thomas C. Potter; architect, M. Fielding, 110 South Fourth St., Philadelphia, Pa.

Glen Ridge, N. J. — Brick and frame dwell.; owner, A. H. Page; architect, H. Edwards Ficken.

Minneapolis, Minn. — South Bryant Ave., Nos. 2217, 2121 and 2123, two-st'y frame dwell.; cost, \$4,500; owner, P. C. Richardson.

South Colfax Ave., No. 2121, two-st'y brick veneer dwell.; cost, \$10,000; owner, Samuel Glover.

Morristown, N. J. — Frame dwell.; owner, H. W. Robert; architect, H. Edwards Ficken.

New York, N. Y. — One Hundred and Eighteenth St., 75' w Lenox Ave., 6 three-st'y brick dwell., tin roofs; cost, \$60,000; owner, Anthony McReynolds, 183 West One Hundred and Thirty-first St.; architect, William Guggolz, 2300 Bathgate Ave.

Amsterdam Ave., w. s. 30' s One Hundred and Fifty-seventh St., 2 two-st'y stone and frame dwell., tin roofs; cost, \$4,000; owner, Mark Ash, 918 St. Nicholas Ave.; architect, Will A. O'Hea, 2564 Eighth Ave.

Inswood Ave., e. s. 150' s Wolf Pl., two-st'y brick and frame dwell., tin roof; cost, \$5,000; owner, Mary Winder, Claremont and Devos St.; architect, C. F. Lohse, 3065 Third Ave.

Philadelphia, Pa. — Oregon St., s. s. bet. Third and

BUILDING INTELLIGENCE.

Fourth St., two-st'y dwell.; owner, R. Robinson, 2229 South Ninth St.

Forty-first St., s. Girard Ave., 3 three-st'y Indiana stone dwell.; architect, J. C. Worthington, 1305 Arch St.

Plainfield, N. J. — Frame dwell.; owner, Irving H. Brown; architect, H. Edwards Ficken.

Wallingford, Pa. — Three-st'y stone dwell., slate roof; owner, J. H. Little; architect, Theophilus P. Chandler, Jr., Brown Bros' Building, Chestnut and Fourth Sts., Philadelphia.

Woodbury, N. J. — Three-st'y stone and frame dwell., slate roof; architect, W. T. Smith, Broad St., cor. Arch St., Philadelphia.

Worcester, Mass. — June St., two-st'y frame dwell.; owner, A. Dodge; contractors, Wilding & Derrick.

Washington St., three-st'y frame dwell.; owner, Aleck Ambuchout; contract not let.

Queen St., two-st'y frame dwell.; owners, Henry Mellen and Walter Mellen; architects and contractors, Barker & Nourse.

RAILROAD BUILDINGS.

Hackensack, N. J. — Frame railroad station for New Jersey & New York Railroad Co.; architect, H. Edwards Ficken.

Kensico, N. Y. — Stone railroad station for New York and Harlem River Railroad; architect, H. Edwards Ficken.

SCHOOL-HOUSES.

Bowman, Ga. — Baptist Institute to cost \$10,000 will be built here.

Radford, Va. — College for boys to cost \$20,000 will be built at once.

STABLES.

Chestnut Hill, Pa. — Highland Ave., s. s. w German-town Ave., one-st'y brick stable; owner, S. R. Pan-coast, Evergreen Ave.

Glenside, Pa. — Glenside Ave., two-st'y livery-stable; owner, M. L. Kohler.

New York, N. Y. — Amsterdam Ave., e. s. 25' s One Hundred and Twenty-fifth St., five-st'y brick and stone stable; cost, \$45,000; owner, Thomas J. Robinson; architect, John C. Burne.

Forty-sixth St., n. s. 225' w Sixth Ave., five-st'y brick stable, tin roof; cost, \$30,000; owner, Mrs. Flora I. Bradburg, 243 West Fiftieth St.; architects, D. & J. Jardine, 1262 Broadway.

Philadelphia, Pa. — Lombard St., No. 933, three-st'y brick stable; contractor, B. M. Magill, 1734 South Eighth St.

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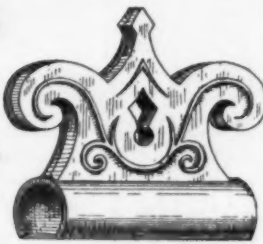
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BUILDING INTELLIGENCE.

Seventy-ninth St., s. e. w. Eastwick Ave., one-sty stable; owner, S. Sellerman, Eastwick Ave., cor. Seventy-ninth St.

St. Louis, Mo. - Two-sty brick stable; cost, \$3,000; owner, W. A. Earle; contractor, Jos. Woelker.

STORES.

Brooklyn, N. Y. - Scholes St., s. e. cor. Humboldt St., four-sty frame store and dwell., tin roof; cost, \$7,000; owner and builder, Henry Roth, 1091 Myrtle Ave.; architect, Th. Engelhardt, 905 Broadway.

Ewen St., w. s. 22^d s. Siegel St., four-sty frame store and dwell., tin roof; cost, \$6,500; owner and builder, Otto Pfeiffer, 55 Ewen St.; architect, Th. Engelhardt, 905 Broadway.

York St., n. s. 22^d w. Jay St., five-sty brick store and dwell., tin roof; cost, \$10,000; owner, Mrs. W. A. Farren, 275 Hicks St.; architect, S. Murphy, 275 Hicks St.

Evergreen Ave., n. e. cor. Schaeffer St., three-sty frame store and dwell., tin roof; cost, \$4,000; owners and builders, Cosine & Gascoigne, 585 Evergreen Ave.; architect, C. D. Hommel, 585 Evergreen Ave.

New York, N. Y. - Washington Pl., Nos. 13-19, 3 six-sty granite stone and terra-cotta stores; cost, \$180,000; owners, Louis and Samuel Sachs; architect, Richard Berger.

St. Louis, Mo. - Three-sty brick store and dwell.; cost, \$5,000; owner, W. Kollmeyer; contractors, Hetz & Hohenstein.

Two-sty brick store and flats; cost, \$15,000; owner, Valle Reyburn; contractors, Caugh & Mackey.

Two adj. two-sty brick stores and dwell.; cost, \$8,000; owner, S. S. Dooley; contractor, T. J. Kelly.

Two-sty brick stores and dwell.; cost, \$5,000; owner and contractor, Kiel & Dunes.

Two-sty brick stores and dwell.; cost, \$3,300; owner and contractor, A. T. Cook.

Three-sty brick stores and dwell.; cost, \$6,000; owner, Miss Clara Schulte; contract sub-let.

THEATRES.

Philadelphia, Pa. - Lancaster Ave., cor. Fortieth St., theatre to be built by C. F. Hall and others; architect, George W. Plowman, Esq.

WAREHOUSES.

St. Louis, Mo. - Two-sty brick warehouse; cost, \$3,500; owner, Geo. Bunte; contractor, C. H. Foertner.

MISCELLANEOUS.

Camden, N. J. - The Share Company with a capital stock of \$100,000 intend to lay out a public park for which purpose they have purchased the Simer Farm. The directors are, Hon. A. G. Cattell, Hon. E. A. Armstrong, Hon. Wm. J. Sewell, Edw. S. Hall, Edw. C. Knight, F. Wyland Ayer, Wm. S. Scull, G. Genge Brownig and R. C. Reese.

Jamaica Plain, Mass. - Rockview St., one-sty frame bowling-alley, 22' x 95'; cost, abt. \$2,500; for the Jamaica Club; builder, John Sherman of Brookline; architects, H. M. Stephenson and George A. Ballantine, Boston.

Kensico, N. Y. - Stone receiving-tomb for Kensico Cemetery; architect, H. Edwards Ficken.

BUILDING INTELLIGENCE.

Entrance gates and lodge; architect, H. Edwards Ficken.
Greenhouse and conservatories; owner, A. J. Marp; architect, H. Edwards Ficken.

New York, N. Y. - Fourth Ave., Thirty-third and Thirty-fourth Sts., armory for Seventy-first Regiment; architect, J. R. Thomas.

Avenue A, Forty-third and Forty-fourth Sts., brick and stone improved abattoir; architects, J. C. Cady & Co.

Philadelphia, Pa. - Cherry and Broad Sts., six-sty stone and buff brick building for Odd Fellows Temple; architects, Messrs. Hazlehurst & Huckel, Drexel Building.

St. Louis, Mo. - One-sty brick boiler-house; cost, \$6,000; owner, St. Louis Brewery Association; contractor, A. H. Haesseler.

Three-sty brick medical college; cost, \$89,500; owner, Medical Fund Society; contractor, J. H. Bright.

Worcester, Mass. - J. G. Vandreuil has been awarded the contract to build the new dormitory for the Worcester Academy; cost, \$82,000; architects, Fuller & Delano.

PROPOSALS.**GAS AND ELECTRIC-LIGHT FIXTURES.**

[At Omaha, Neb.]

Sealed bids will be received at the office of the City Comptroller, Omaha, Neb., up to 12 m., March 1, 1892, for combination gas and electric-light fixtures in accordance with the specifications on file at the office of C. F. Beindorff, Architect, 607 Bee Building. Bids to be accompanied with the sketches as therein specified.

All bids must be accompanied by a certified check to the amount of \$1,000, which will be forfeited to the city in case the bidder should be awarded the contract, and fail to furnish a bond, acceptable to the mayor and city council, in the sum of twice the amount of contract price, such bond to be signed by residents of this county.

The Council reserves the right to accept or reject any or all bids as in their judgment will best serve the interests of the city.

Bids to be addressed "Bid on Gas and Electric-Light Fixtures for Omaha City Hall."

844

THEO. OLSEN, Comptroller.

February 8, 1892. Sealed proposals will be received at the office of the Supervising Architect, Treasury Department, Washington, D. C., until 2 o'clock p. m. on the 9th day of March, 1892, and opened immediately thereafter for furnishing and erecting complete the hydraulic passenger elevator, including pump, tanks, piping, car, etc., required for the United States Post-office, Court-house, etc., at Wichita, Kansas, in accordance with drawings and specification, copies of which may be had on application at this office or the office of the Custodian at Wichita, Kansas. Each proposal must be accompanied by a certified check for a sum not less than two per cent of the amount of the

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proposal. The right is reserved to reject any or all bids and to waive any defect or informality in any bid. All proposals received after the time stated will be returned to the bidder. Proposals must be enclosed in envelopes sealed and marked "Proposal for a Hydraulic Passenger Elevator for the United States Post-office, Court-house, etc., Building at Wichita, Kansas," and addressed to W. J. EDBROOKE, Supervising Architect.

February 5, 1892. Sealed proposals will be received at the office of the Supervising Architect, Treasury Department, Washington, D. C., until two o'clock p. m. on the 8th day of March, 1892, and opened immediately thereafter, for all the labor and materials required for the interior finish of the United States Court-house and Post-office building at Birmingham, Ala., including furring, lathing, plastering, iron-stairs, marble-work, joinery-work, tower-clock, etc., 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 Birmingham, Ala. 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. 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 Interior Finish of the United States Court-house and Post-office building at Birmingham, Ala.," and addressed to W. J. EDBROOKE, Supervising Architect.

February 3, 1892. Sealed proposals will be received at the office of the Supervising Architect, Treasury Department, Washington, D. C., until 2 o'clock p. m. on the 24th day of February, 1892, for all the labor

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PROPOSALS.

and materials required and fixing in place complete the low-pressure, return-circulation, steam-heating and ventilating apparatus for the United States Post-office building at Watertown, N. Y., 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 Watertown, N. Y. Bids will also be considered for any other system of heating and ventilating in lieu of the above, and parties proposing to supply such must submit their proposal, plans and specification for same. 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 Department will reject all bids received after the time herein stated for opening the same; also, bids which do not comply strictly with all the requirements and meaning of this invitation, or for any heating and ventilating apparatus not satisfactory to this Department. Proposals must be enclosed in envelopes sealed and marked "Proposal for the Low-Pressure, Return-Circulation, Steam-Heating and Ventilating Apparatus (or otherwise as the case may be) for the United States Post-office Building at Watertown, N. Y.," and addressed to W. J. EDBROOKE, Supervising Architect. 843

January 30, 1892. Sealed proposals will be received at the Office of the Supervising Architect, Treasury Department, Washington, D. C., until 2 o'clock P. M. on the 29th day of February, 1892, for furnishing all the labor and materials required, and fixing in place complete, the low-pressure, return-circulation, steam-heating and ventilating apparatus (or otherwise, as the case may be) for the United States Post-office building at Lancaster, Pa., 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 Lancaster, Pa. Bids will also be considered for any other system of heating and ventilating in lieu of the above, and parties proposing to supply such must submit with their proposal plans

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Roofing

PROPOSALS.

and full specification for same. 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 Department will reject all bids received after the time herein stated for opening the same; also, bids which do not comply strictly with all the requirements of this invitation, or for any heating and ventilating apparatus not satisfactory to this Department. Proposals must be enclosed in envelopes sealed and marked "Proposal for the Low-pressure, Return-circulation, Steam-heating and Ventilating Apparatus (or otherwise, as the case may be) for the United States Post-office building at Lancaster, Pa.," and addressed to W. J. EDBROOKE, Supervising Architect. 842

January 29, 1892. Sealed proposals will be received at the office of the Supervising Architect, Treasury Department, Washington, D. C., until 2 o'clock P. M. on the 25th day of February, 1892, for furnishing and erecting complete the hydraulic passenger-elevator, including pump, tanks, piping, car, etc., and the construction of well-hole for said elevator, for the United States Custom-house building at Cairo, Ill., in accordance with drawings and specification, copies of which may be had at this office or the office of the Custodian at Cairo, Ill. Each proposal must be accompanied by a certified check for a sum not less than two per cent of the amount of the proposal. The Department will reject all bids received after the time herein stated for opening the same; also, bids which do not comply strictly with all the requirements of this invitation. Proposals must be enclosed in envelopes sealed and marked "Proposal for a Hydraulic Passenger-elevator for the United States Custom-house building at Cairo, Ill.," and addressed to W. J. EDBROOKE, Supervising Architect. 842

January 27, 1892. Sealed proposals will be received at the office of the Supervising Architect, Treasury Department, Washington, D. C., until 2 o'clock P. M. on the 18th day of February, 1892, for all the labor and materials required and fixing in place complete, the low-pressure, return-circulation, steam-heating and ventilating apparatus for the United States Court-house, Post-office, etc., building at Denver, Colo., 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 Denver,

PROPOSALS.

Colo. Bids will also be considered for any other system of heating and ventilating in lieu of the above and parties proposing to supply such, must submit with their proposal plans and full specification for same. 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 Department will reject all bids received after the time herein stated for opening the same; also, bids which do not comply strictly with all the requirements and meaning of this invitation, or for any heating and ventilating apparatus not satisfactory to this department. Proposals must be enclosed in envelopes sealed and marked "Proposal for the Low-Pressure, Return-Circulation, Steam-Heating and Ventilating Apparatus (or otherwise as the case may be) for the United States Court-house, Post-office, etc., at Denver, Colo.," and addressed to W. J. EDBROOKE, Supervising Architect. 842

January 25, 1892. Sealed proposals will be received at the office of the Supervising Architect, Treasury Department, Washington, D. C., until 2 o'clock P. M. on the 23d day of February, 1892, for all the labor and materials required and fixing in place complete, the low-pressure, return-circulation, steam-heating and ventilating apparatus for the United States Custom-house and Post-office building at New Bedford, Mass., 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 New Bedford, Mass. Bids will also be considered for any other system of heating and ventilating in lieu of the above, and parties proposing to supply such must submit with their proposal, plans and full specification for same. 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 Department will reject all bids received after the time herein stated for opening the same; also, bids which do not comply strictly with all the requirements and meaning of this invitation, or for any heating and ventilating apparatus not satisfactory to this Department. Proposals must be enclosed in envelopes sealed and marked "Proposal for the Low-Pressure, Return-Circulation, Steam-Heating and Ventilating Apparatus (or otherwise as the case may be) for the United States Custom-house and Post-office Building at New Bedford, Mass.," and addressed to W. J. EDBROOKE, Supervising Architect. 842

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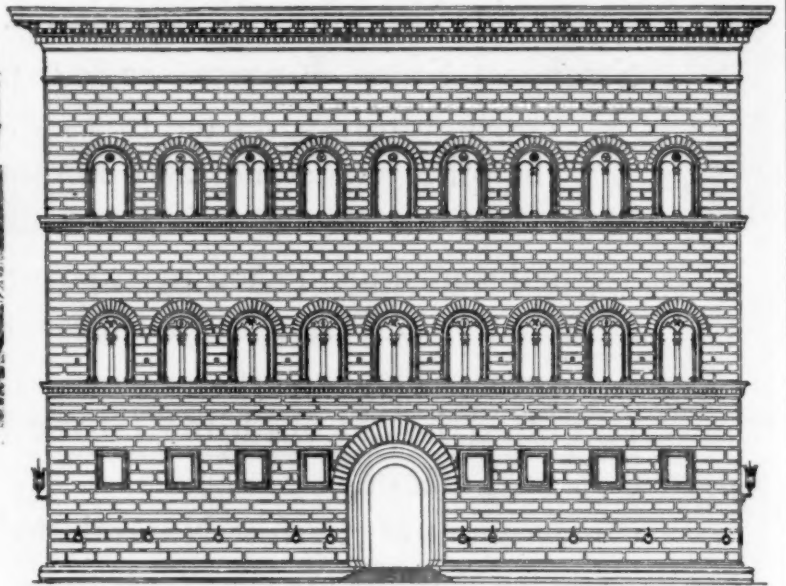
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[See Alphabetical Index on page VII for Pagination.]

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

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burgh, Pa..... |
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Pittsburgh Mineral Wool Co., Pittsburgh,
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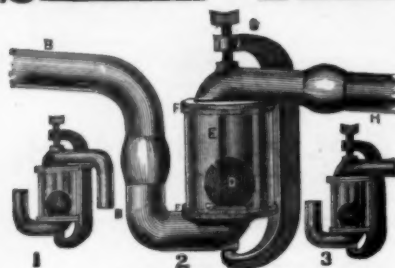
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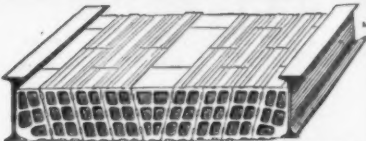
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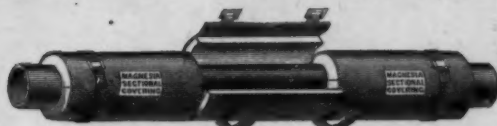
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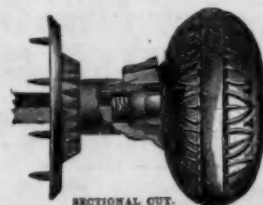
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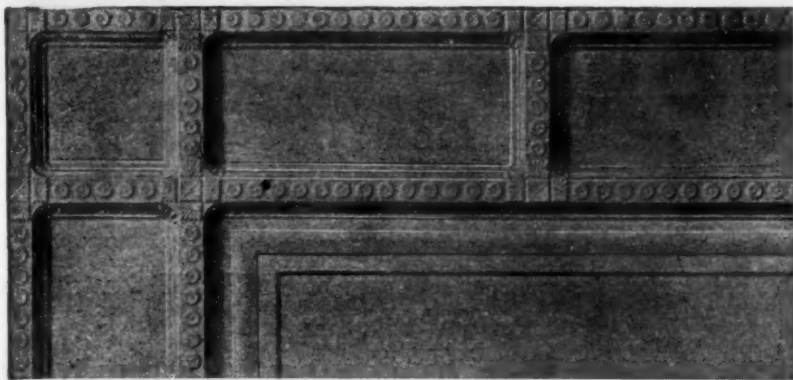
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30 00 @ 40 00
100 00 @ 120 00
70 00 @ 80 00

150 00 @ 200 00
200 00 @ 250 00
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100 00 @ 120 00
70 00 @ 80 00

150 00 @ 200 00
200 00 @ 250 00
18 00 @ 35 00
32 00 @ 40 00
45 00 @ 50 00
35 00 @ 50 00
35

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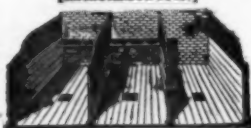
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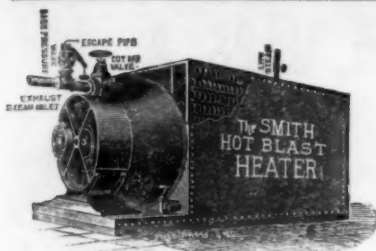
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Common: Cargo afloat.				Sq. Hard @ 9 00
Pale.	2 50 @ 3 00	Eastern } Building Brick @ 6 50		" @ 7 00
Jersey.	4 50 @ 5 00	Bay State Hard 7 00 @ 8 00		Salmon " @ 5 00
Long Island.	5 50 @ 6 00	Domestic Com. 9 50 @ 10 00		Sq. " @ 9 00
Up River		Domestic Face 20 00 @ 22 00		Light Stretchers @ 10 00
Haverstraw Bay 2d.		Philadelphia 40 00 @ 45 00		Medium " @ 12 00
" 1st.		Phila. mould 50 00 @ 80 00		Red " @ 13 00
Hollow	@ 13 00			Dark " @ 13 00
Fronts:				Pressed @ 13 00
Croton, Brown.	@ 13 00			Best Paving 18 00 @ 20 00
" dark.	@ 14 00			Second " @ 14 00
" red.	@ 14 00			Third " @ 13 00
Chicago pressed (Anderson).				Dom. { @ 65
" Moulded.				" @ 85
Baltimore.	37 00 @ 41 00	Anderson 14 00 @ 32 00		
Philadelphia	23 00 @ 24 00			
Trenton.	22 00 @ 23 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			
CEMENT, LIME, etc.—(P. cash.)				
Rosendale Cement.	1 15 @ 1 20	1 20 @ 1 40	Not sold.	1 30 @ 1 50
Louisville		Brooks, S. & Co. 1 05 @ 1 30		BS&Co 2 75 @ 3 00
Utica, Akron, Buffalo, Milw'kee.	Not sold.	2 60 @ 3 00	1 00 @ 1 25	2 85 @ 3 25
Portland, English (Gibbs).	2 50 @ 3 00	2 60 @ 3 00	2 75 @ 3 25	2 85 @ 3 15
" (K. B. & S.).	2 50 @ 3 00	2 60 @ 3 00	3 00 @ 3 25	2 75 @ 3 00
" Black Cross.	2 25 @ 2 50	2 60 @ 3 00	3 00 @ 3 25	2 85 @ 3 15
" (Burnham).	2 60 @ 2 80	2 60 @ 3 00	2 90 @ 3 15	2 75 @ 2 85
" (White's).	2 65 @ 3 00	2 60 @ 3 00	3 00 @ 3 25	
" French (Lafarge).	3 60 @ 3 75		3 75 @ 4 25	
" German (Alsen).	2 90 @ 3 25	3 00 @ 3 50	@ 3 20	Hemmoor 2 50 @ 2 75
" (Fewer).	2 25 @ 2 40	3 15 @ 3 35	3 20 @ 3 40	2 75 @ 2 85
" (Vorwöhler).	2 50 @ 2 90			
" (Lagerhofer).	@	2 55 @ 3 00	2 75 @ 3 00	2 60 @ 2 75
" (Dyckerhoff).	2 90 @ 3 25	3 00 @ 3 50	3 25 @ 3 50	3 90 @ 3 25
" (Hanover).	2 50 @ 3 00		Not sold.	2 75 @ 2 85
" Stettin (Anchor)	2 35 @ 2 85		Not sold.	
" American (Saylor's).	2 15 @ 2 45	2 15 @ 2 50	2 75 @ 3 00	2 70 @ 3 00
Roman.	2 75 @ 3 00	@ 3 00	2 75 @ 3 25	3 00 @ 3 50
Keene's coarse.	5 75 @ 6 50	@ 6 00	6 00 @ 7 00	6 50 @ 7 00
" superfine.	9 25 @ 10 25	@ 11 50	9 00 @ 10 50	8 00 @ 9 00
Lime:				
Lime of Tell.	3 50 @ 4 00		Not sold.	White Lime P bush 25 @ 30
Hydraulic Lime.	@ 1 45	@ 1 35		White Mash { 1 25 @ 1 50
Chicago Lime in bulk.		St. John 1 00	55 @	1 00 @ 1 00
Wisconsin Lime.	@ 1 00	@ 1 05	60 @	
Rockland and Rockport, (Com.).	@ 85	@ 1 10	Not sold.	
Rockland and Rockport, finish.	@ 1 20	@ 1 20	1 00 bulk, 75c.	
Kelley Island Lime, finish.	@ 85	Not sold.	Not sold.	
State, com. cargo rates (nom.).	@ 1 05	Not sold.	Not sold.	
State, finishing.	1 20 @ 1 25	1 85 @ 2 90	1 85 @ 1 90	Not sold.
Plaster of Paris (calcined).	1 30 @ 1 35	@ 2 25	1 75 @ 1 90	1 50 @ 2 25
" (casting).	15 @ 18	25 @ 30	20 @ 25	1 75 @ 2 50
Hair (Cattle) P bush.	25 @ 28	@ 30	30 @ 35	20 @ 25
" (Goat).	1 00 @ 1 25	1 75 @ 1 90	@ 60	30 @ 35
Sand, P load.				@ 1 50
STONE. (P cubic foot, rough.)				
Granite: (Maine)		@ 00		55 @ 65
Limestone:				
Bedford.	45 @ 1 25	95 @ 1 00	50 @	75 @ 90
Joliet.	@ 1 00		35 @ 55	Richmond 75 @ 1 50
Lemont.	@		35 @ 60	P Perch @ 4 50
Serpentine.	@	10 50 per ton	@ 1 00	



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Mortar Colors.				
Black, brown, buff p lb.	@ 2 1/2	@	@	@
Colorful p lb.	@ 2 1/2	@	@	@
Red @ 3	@ 3	@	@	@
White p bbl.	@ 1 75	@	@	@
Foundation:				
Dimension	@	5 00 p ton.	20 @	@ 5 00
Block	@	4 60 p perch.	@	Conshocken
Rubble	@	1 25 @ 1 50	8 50 @	1 45 @ 2 50
Bluestone: 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	@	@
Kibbe	@ 90	90 @ 1 10	@	@
Brown (Connecticut)	1 00 @	1 25 @ 1 45	1 50 p cub. ft.	@ 95 @ 1 16
Amherst	90 @ 95	90 @ 1 00	45 @ 60	1 05 @ 1 35
Berea Ohio	75 @ 1 00	85 @ 90	45 @ 65	@ 55 @ 1 00
Berlin	75 @ 1 00	80 @ 90	55 @ 65	@
Belleville	80 @ 1 25	1 25 @ 1 35	@ 1 25	1 10 @ 1 00
New Brunswick (Dorchester)	@ 1 00	75 @ 90	@	1 00 @ 1 00
Caen	@	@ 2 00	@	1 25 @ 1 00
Carlisle, English	@ 1 05	@ 1 05	@	95 @ 1 00
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
State: 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	1 50 @ 10 25
" black, Lehigh	4 25 @ 4 75	@	6 25 @ 6 85	2 25 @ 4 00
" Chapman	@	@	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. p M.	@	@	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	7 @ 7 1/2	6 1/2 @ 7	@ 7 1/2
" zinc	5 @ 8	@ 8	7 @ 10 1/2	@ 7
Red lead, Am.	6 1/2 @ 7	7 @ 7 1/2	6 1/2 @ 7	@ 7 1/2
" Venetian	6 @ 10 1/2	7 @ 12	1 1/2 @ 2 1/2	dry Eng. @ 7
" Vermillion	65 @ 70	70 @ 75 dry	65 @ 68	Eng. @ 76
" Indian, Eng.	12 @ 20	12 @ 20	12 @ 20	6 1/2 @ 7
Yellow Ochre	6 @ 15	7 @ 12	3 @ 15	dry Am. @ 1 1/2
" Chrome	12 @ 20	18 @ 25	15 @ 25	@ 18
Green (chrome)	8 @ 13	8 @ 20	8 @ 20	@ 21
Green, Paris	25 @ 40	25 @ 40	18 @ 35	" 15 @ 20
Black, lamp	15 @ 25	15 @ 25	8 @ 30	8 @ 12
Blue, ultramarine	12 @ 18	18 @ 30	12 @ 35	10 @ 24
Oil, linseed, (raw)	55 @ 62	37 @ 38	57 @ 60	@ 60
" boiled	58 @ 65	40 @ 41	60 @ 63	@ 63
Turpentine	36 @ 37	@ 40	51 @ 51	@ 44
Varnish, coach	@	1 50 @ 6 00	1 25 @ 2 00	1 25 @ 3 00
Shellac	@	2 50 @ 3 00	2 25 @ 4 00	1 50 @ 3 00
Putty	2 @	2 @ 4	2 @ 2 1/2	2 @ 2 1/2
Whiting	75 @ 1 00	1 @ 1 1/2	1 @ 1 1/2	1 @ 1
Paris white, (Eng.)	1 30 @ 2 00	2 @ 3	1 1/2 @ 2	1 1/2 @ 2
Litharge, Am.	5 1/2 @ 6	7 @ 7 1/2	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
HARDWARE.				
Nails: (Per Cask.) Spikes, (wrought.)	@ 2 85	@	2 75 @ 3 00	per keg @ 2 25
10d. common	@ 2 60	@ 2 10	@ 2 35	@ 2 30
Shingle	@ 3 35	@ 2 20	@ 2 75	@ 2 60
Lath	@ 4 85	@ 3 10	@ 3 65	3 60 @ 4 75
(Finishing nails according to size.)	@	@	Add .85 to \$1.15	per lb. 4 @ 6
(For casing nails add 75 c. per keg.)	@	@	" .50 to .50	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	@ 65	@ 50	2 00 @ 3 75	1 35 @ 2 75
Bail Tip, Boston Finish (p pair.)	@ 1 90	plain 1 65	Not Sold.	48 @ 30
Bronze metal	@ 10	@ 10	2 00 @ 3 25	@ 1 00
Brass (for cupboards)	@	@	@ 12	@ 35
Ebony	@	@	@	37 @ 1 00
Apple wood	@	@	@	@
Knobs: (p set.)				
Mineral, best	@ 8	@ 8	8 @ 10	@ 08
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.	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	13 @ 16	13 1/2 @ 16
Lead Pipe	@	@ 6 1/2	@ 7	6 @ 6 1/2
Iron:				
I-Beams, up to and including 36 ft.	3 3-10 @ 3 1/2	@ 3 1-10	@	@ 2 8-10
I-Beams, over 36 ft. 1/2 c. advance	3 3-10 @ 3 1/2	@ 3 1-10	3 20 @ 3 70	@ 2 8-10
Channel-Beams	3 3-10 @ 3 1/2	@ 3 1-10	3 20 @ 3 70	@ 2 8-10

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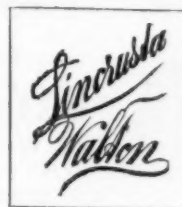
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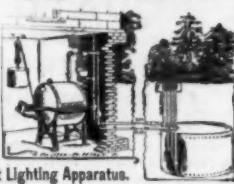
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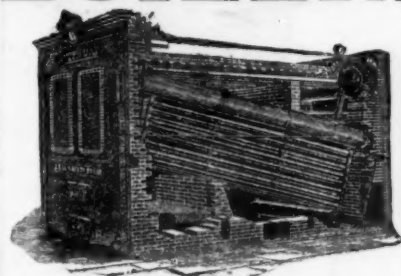
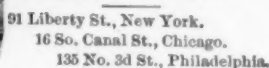


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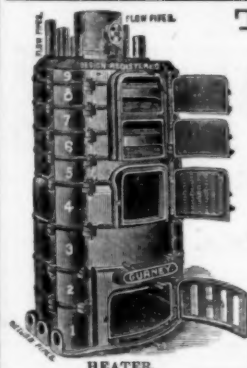
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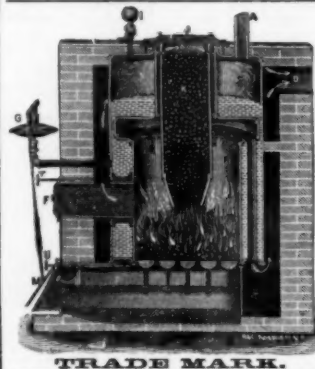
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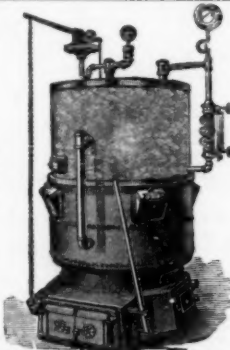
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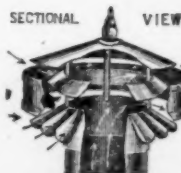
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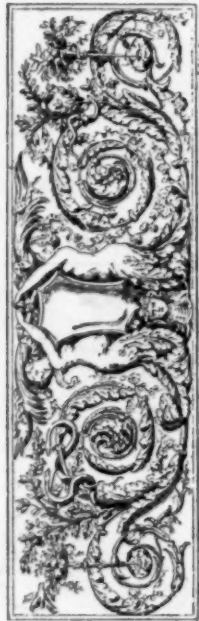
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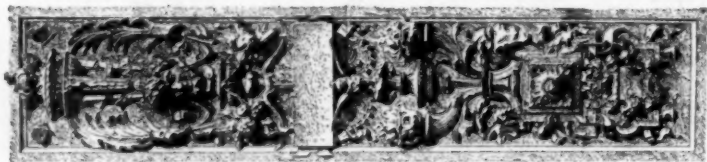
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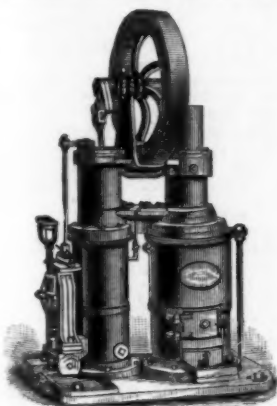
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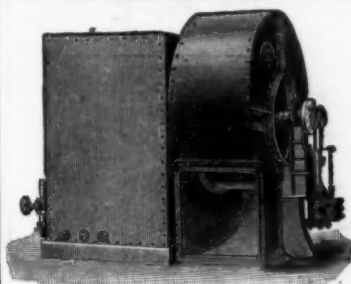
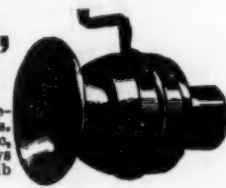


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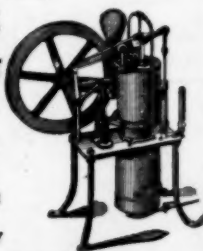
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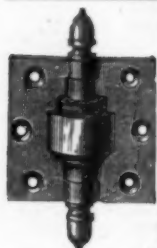


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[Printed specifications of any patents here mentioned together with full detail illustrations, may be obtained of the Commissioner of Patents, at Washington, for twenty-five cents.]

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NOTICE IS HEREBY GIVEN that after the close of the year 1893 all gentlemen who desire to qualify for candidature of ASSOCIATE of the Royal Institute of British Architects (except in special cases submitted to and approved by the Council) will be required to enter for the PRELIMINARY Examination, and having passed it, work up through the INTERMEDIATE to the FINAL Examination, which in 1894, will take the place of the present "Examination in Architecture." The only examinations to which young Architects, who are in practice and who desire to become Associates without passing the Progressive Examinations can enter, take place twice in the year 1892 and twice in the year 1893. Those, therefore, who may not be prepared to enter for the "EXAMINATION IN ARCHITECTURE" before the close of 1893 should take immediate steps to secure registration as Probationers, which they can do by passing the Preliminary Examination or obtaining the GRANT OF EXEMPTION THEREFROM.

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(Continued on page xv.)

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From Bremen.—Ship "Mommien," 4,050 cakes asphaltum, Gabriel & Schall; 800 barrels cement, order. Steamer "Mareca," 2,000 cakes asphaltum, E. Thiele. Steamer "Elbe," 56 casks cement, Knauth, Nachod & Kuhne.

From Glasgow.—Steamer "State of California," 147 cases granite, Austin, Baldwin & Co.; 100 barrels cement, order. Steamer "Ethiopia," 38 cases granite, Henderson Bros.; 3 do., Brown Bros. & Co.

From Havana.—Steamer "Mexico," 25 bags asphalt, C. Oertel. Steamer "Saratoga," 20 sacks asphaltum, order.

From Hull.—Steamer "Colorado," 90 casks bricks, Brown Bros. & Co.; 296 do., Meeker & Carter; 318 do., order.

From London.—Steamer "England," 30 logs hard wood, Willard Hawes & Co.; 100 do. wood, W. J. Rayner; 30 do. hard wood, 500 casks cement, order. Steamer "Richmond Hill," 500 casks cement, E. Thiele. Steamer "Europe," 4 logs hard wood, Willard Hawes & Co.; 69 logs wood, 500 casks cement, order.

From Marseilles.—Steamer "Olympia," 4 blocks stone, H. Storm & Sons; 223 bags stones, Volkening & Co.; 150 do., A. Pellarin; 24 blocks marble, Great Eastern Line; 2 do., order. Bark "Henry," 12,760 kilos plaster rock, 413 tons crude do., order. Steamer "Hindustan," 500 barrels cement, John W. Annex.

From Newcastle-on-Tyne.—Steamer "Volutana," 1,120 casks cement, Boring & Archibald; 600 do., Hamill & Gillespie; 10,000 square fire-bricks, order. Steamer "Camellia," 50,000 square fire-bricks, 58 lumps fire-clay, Hamill & Gillespie.

From Swansea.—Steamer "Crane," 40 casks bricks, J. H. L. Todd; 52,000 bath-bricks, 2,600 cases do., Hamill & Gillespie.

From Trinidad.—Steamer "Alps," 1,200 tons asphaltum, order. Brig "Venturer," 450 tons asphalt, order.

From Vera Cruz.—Steamer "Yumuri," 33 blocks marble, O'Kelly & Co.; 26 sacks asphaltum, Struller, Meyer & Schumacher.

From Zaza, Cuba.—Bark "Henry Norwell," 1,965 pieces cedar, 62 do. mahogany, Jose A. De Vella.

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.—Atlantic Dock, Nos. 13 and 14, 2 four-sty brick storehouses, tin roofs, damage by fire to be repaired; cost, about \$5,000; owner, A. A. Robins, Sixth Ave. and Park Pl.; architect and builder, Philip H. Gill, 19 Bowne St.

Chicago, Ill.—Webber & Pflerfus, two-sty addition, 4430-4436 State St.; cost, \$7,800.

Michael Koch, one-sty addition, 104 Randolph St.; cost, \$4,000.

Pinkerton Protective Patrol, one-sty addition, 193-207 Fifth Ave.; cost, \$6,000.

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Thomas Mackin, one-sty addition, 225-227 Kinzie St.; cost, \$2,800.

Wolff Manufacturing Co., three-sty addition, 828-832 Carroll Ave.; cost, \$50,000.

H. A. & C. A. Chapin, five-sty addition, 46-50 Sherman St.; cost, \$12,000.

New York, N. Y.—East Seventy-eighth St., No. 48, four-sty brick dwell., extension and interior alterations; cost, \$12,000; owner, Maria S. Gibb, 48 East Eighth St.; architect, George Halbert, 226 Fulton St., Brooklyn.

East Thirty-fourth St., No. 329, four-sty brick store, extension and internal alterations; cost, \$3,000; owner, Bernard Galewski, 170 Henry St.; architects, Solomon D. Cohn & Co., 1441 Third Ave.

East One Hundred and Fifty-third St., 275 w Courtland Ave., three-sty brick factory, extension; cost, \$7,000; owner, Aug. Wuensch, 555 East One Hundred and Fifty-third St.; architects, Weber & Drosser, 81 and 82 Bible House.

Second Ave., No. 1427, four-sty brick tenement, extension; cost, \$3,000; owner, Valentine Grimm, 894 Second Ave.; architect, Edward Wenz, 1491 Third Ave.

Bloomfield St., bet. West and West Thirteenth St., 2 three-sty brick market buildings, internal alterations; cost, \$10,000; owner, City of New York; architect, Wm. G. Bergen, 31 Chambers St.

APARTMENT-HOUSES.

Chicago, Ill.—M. J. Dunn, 2 two-sty flats, 263-265 Oakley Ave.; cost, \$5,000.

C. W. Fonby, two-sty flats, 892 South Kedzie Ave.; cost, \$3,000.

F. Kipp, two-sty flats, 1458 Newport Ave.; cost, \$2,800.

Richard Kirby, two-sty flats, 614 Sheffield Ave.; cost, \$3,000.

Martin C. Landell, three-sty flats, 4308 Forestville Ave.; cost, \$5,000.

Joseph Reamer, three-sty flats, 314 Webster Ave.; cost, \$4,000.

D. C. Parker, three-sty flats, 607 North Hoyne Ave.; cost, \$7,000.

Charles Wigg, four-sty flats, 201 Fortieth St.; cost, \$17,000.

J. H. Fullenwelder, 2 four-sty flats, 4631-4633 State St.; cost, \$16,000.

J. F. Daniels, two-sty flats, Sixty-seventh St. and Wabash Ave.; cost, \$3,000.

J. N. Danboch, 2 two-sty flats, 4827 St. Laurence Ave.; cost, \$11,000.

J. Cormick, three-sty flats, 429 Forty-first St.; cost, \$6,000.

John Schwesig, two-sty flats, 656 Henry St.; cost, \$4,500.

Martin Adler, two-sty flats, 1166 West Adams St.; cost, \$3,000.

John Rosinski, three-sty flats, 1534 Twenty-second St.; cost, \$4,000.

August Karson, three-sty flats, 439 California Ave.; cost, \$7,000.

William F. Sinemaker, three-sty flats, 780 West Division St.; cost, \$8,000.

William Burkmeier, three-sty flats, 1683 North Ashland St.; cost, \$4,000.

William Bodenstadt, three-sty flats, 1299 North Halsted St.; cost, \$10,000.

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 Louis Wilson, two-st'y flats, 242 Baxter St.; cost,
 \$3,000.
 Eugene Schaffer, 2 three-st'y flats, 4614-4616 Went-
 worth Ave.; cost, \$5,000.
Cincinnati, O.—Sarah O. Devon, four-st'y brick
 and stone flats, 190 Mound St.; architect, Jos.
 Steinkamp.
 B. Sickling, four-and-one-half-st'y brick and stone
 flats, Oak St.; cost, \$10,000; architects, G. & A.
 Brink.

New York, N. Y.—Third Ave., No. 367, five-st'y
 brick flat, tin roof; cost, \$20,000; owner, Mrs. Minna
 Spero, 1622 Lexington Ave.; architects, Flemer &
 Koehler, 261 Broadway.

One Hundred and Thirty-fourth St., s s, 210' e
 Lenox Ave., 3 five-st'y brick flats, tin roofs; cost,
 \$78,000; owner, Louis Wirth, 166 East Eighty-first
 St.; architect, John Hauser, 1441 Third Ave.

Eighty-third St., n s, 254' 2" w Second Ave., five-
 st'y brick flat, tin roof; cost, \$19,000; owner, John
 H. Sturk, 154 East Eighty-sixth St.; architect,
 Frank Wennemer, 204 East Eighty-sixth St.

One Hundred and Fifth St., 100' w Amsterdam
 Ave., five-st'y brick and stone apartment-house;
 owner, Elizabeth Johnson; architects, Messrs. A. B.
 Ogden & Son.

Orchard St., w s, 75' n Stanton St., 2 five-st'y brick
 and stone flats; cost, \$36,000; owners, W. N. Stern-
 kopf and A. Strohacker; architects, Kurtser & Rohl.

CHURCHES.

Paris, Texas.—The First Baptist Church will build
 an edifice to cost from \$20,000 to \$25,000.

Radford, Va.—The Presbyterians contemplate
 building an edifice to cost abt. \$10,000.

FACTORIES.

Baltimore, Md.—Fleischmann & Co. will build a
 four-st'y brick factory building, s w cor. Monument
 St. and Liberty Alley.

Chicago, Ill.—Charles Koestner, six-st'y factory,
 251-257 South Jefferson St.; cost, \$200,000.
 Shone Co., two-st'y factory, Forty-sixth St. and
 Stewart Ave.; cost, \$5,000.

HOUSES.

Baltimore, Md.—James D. Mason, three-st'y brick
 building, w s Charles St., bet. Chase and Biddle Sts.

Chicago, Ill.—O. M. Weed, three-st'y dwell., 4576
 Oakwood Ave.; cost, \$5,000.
 William P. Goodsmith, 3 three-st'y dwell., 448-450
 Fullerton Ave.; cost, \$20,000.

Edward Ruet, 3 two-st'y dwell., 275 Irving Ave.;
 cost, \$7,000.
 B. O. Case, two-st'y dwell., 7220-7231 Coles Ave.;
 cost, \$4,000.

T. F. Bolander, two-st'y dwell., 1554 West Monroe
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 \$8,000.

St. Louis, Mo.—Two-st'y brick dwell.; cost, \$3,000;
 owner and contractor, J. H. Dunlap.

Two two-st'y brick dwell.; cost, \$9,000; owner
 and contractor, J. T. Smith.

Two-st'y brick dwell.; cost, \$4,500; owner and
 contractor, R. C. Greer.

Two-st'y brick dwell.; cost, \$4,500; owner and
 contractor, C. L. Crane.

Two-st'y brick dwell.; cost, \$3,400; owner, W.
 Rubie; contractors, Doyner Bros.

Two-st'y brick dwell.; cost, \$5,000; owner and
 contractor, E. P. Dickson.

Two-st'y brick dwell.; cost, \$3,000; owner and
 contractor, W. Edwards.

Two-st'y brick dwell.; cost, \$4,500; owner, C.
 Bickel; contractors, F. H. Gray & Bro.

Worcester, Mass.—Tracy St., one-and-one-half-st'y
 dwell.; owner, Alfred Trudell; day work.

Rodney St., one-and-one-half-st'y dwell.; owner,
 Mrs. Charles Hinkley; contractor, F. Holland.

OFFICE BUILDINGS.

Chicago, Ill.—A. F. Dexter, eight-st'y office-build-
 ing, 82-84 East Adams St.; cost, \$100,000.

STABLES.

New York, N. Y.—One Hundred and Thirty-fourth
 St., s s, 100' e Fifth Ave., four-st'y brick stable,
 asphalt roof; cost, \$48,000; owner, James Everard,
 28-30 West Twenty-eighth St.; architect, M. V. B.
 Ferdon, 272 West Thirty-fourth St.

STORES.

Brooklyn, N. Y.—Scholes St., s s, 75' w Ewen St.,
 three-st'y frame store and dwell., tin roof; cost,
 \$3,500; owner, E. Lautman, Scholes and Ewen Sts.;
 architect, H. Vollweiler, 483 Hart St.

Knickerbocker Ave., n w cor. Melrose St., three-st'y
 frame store and dwell., tin roof; cost, \$5,800; owner,
 Leonard Epply, 54 Central Ave.; architect, Th. En-
 gelhardt, 936 Broadway.

Greene Ave., n s, 200' w Hamburg Ave., 4 three-
 st'y frame stores and dwell., tin roofs; cost, \$5,000
 each; owner and builder, Wm. Berlinger, 170 Har-
 man St.; architect, H. Vollweiler, 483 Hart St.

BUILDING INTELLIGENCE.

Buffalo Ave., n w cor. Pacific St., three-st'y frame
 store and dwell., tin roof; cost, \$3,000; owner, John
 Gibbons, 72 Buffalo Ave.; architect, H. Vollweiler,
 483 Hart St.

Oakland St., n w cor. Huron St., four-st'y brick
 store and dwell., tin roof; cost, \$12,000; owner, Jos.
 Riecker, 379 Oakland St.; architect, Edward Ahrens,
 526 Manhattan Ave.

Chicago, Ill.—M. B. Spencer, store, 246 Forty-third
 St.; cost, \$3,800.

New York, N. Y.—Greenwich St., n w cor. Laight
 St., seven-st'y brick store, gravel roofing; cost, \$20,-
 000; owner, C. Doscher, 142 Ross St., Brooklyn; ar-
 chitect, Benj. Finkensieper, 95 Broadway.

WAREHOUSES.

Chicago, Ill.—Jacob Well, three-st'y warehouse, 411-
 417 North Halsted St.; cost, \$5,000.

Andrew Pearson, four-st'y warehouse, 3849 Cot-
 tage Grove Ave.; cost, \$18,000.

A. Barnes, four-st'y warehouse, 158 East Huron
 St.; cost, \$6,000.

Belt Line Transfer Co., three-st'y warehouse, 7521-
 7531 Sherman St.; cost, \$31,000.

MISCELLANEOUS.

Jackson, Miss.—The building of an opera-house to
 cost about \$50,000 is contemplated.

New York, N. Y.—Eighty-sixth St., s s, 67' e Lexing-
 ton Ave., five-st'y brick and stone club-house; for
 the Aschenbrodel Verein; architect, George H.
 Griebel.

West Twenty-ninth St., Nos. 35-37, brick, iron and
 stone concert hall; cost, \$25,000; for George J.
 Kraus; architects, Kurtser & Rohl.

East Broadway, No. 30, five-st'y brick workshop,
 tin roof; cost, \$14,000; owner, Lazarus Levy, 60
 Catharine St.; architect, Herman Horenburger, 99
 East Third St.

Worcester, Mass.—Rankin St., one-and-one-half-
 st'y frame shop; owners and contractors, Rankin &
 Woodside.

Greer St., brick block, M. W. Epstein has awarded
 the contract to Wm. Power for \$15,000; architects,
 Earle & Fisher.

(Continued on page xx.)

The Potsdam Red Sandstone Company, Potsdam, N. Y., will take pleasure in sending, prepaid, samples and descriptive circulars containing tests and experts' opinions to Architects who may apply for them. The building stone from the quarries of this Company has been used in many of the finest public and private structures in America.

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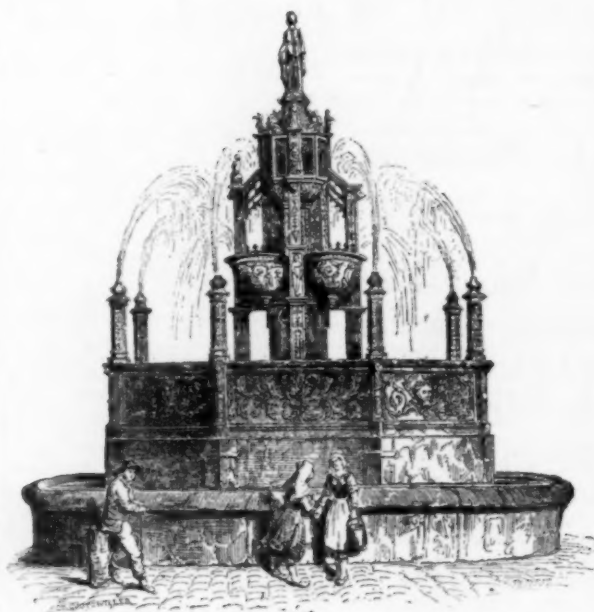
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PROPOSALS.

GAS AND ELECTRIC-LIGHT FIXTURES.
[At Omaha, Neb.]

Sealed bids will be received at the office of the City Comptroller, Omaha, Neb., up to 12 M., March 1, 1892, for combination gas and electric-light fixtures in accordance with the specifications on file at the office of C. F. Beindorf, Architect, 607 Bee Building. Bids to be accompanied with the sketches as therein specified.

All bids must be accompanied by a certified check to the amount of \$1,000, which will be forfeited to the city in case the bidder should be awarded the contract, and fail to furnish a bond, acceptable to the mayor and city council, in the sum of twice the amount of contract price, such bond to be signed by residents of this county.

The Council reserves the right to accept or reject any or all bids as in their judgment will best serve the interests of the city.

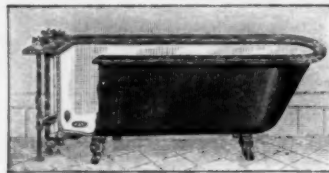
Bids to be addressed to "Bid on Gas and Electric-Light Fixtures for Omaha City Hall."
THEO. OLSEN, Comptroller.

February 5, 1892. Sealed proposals will be received at the office of the Supervising Architect, Treasury Department, Washington, D. C., until two o'clock P. M., on the 8th day of March, 1892, and opened immediately thereafter, for all the labor and materials required for the interior finish of the United States Court-house and Post-office building at Birmingham, Ala., including furring, lathing, plastering, iron-stairs, marble-work, joinery-work, tower-clock, etc., 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 Birmingham, Ala.

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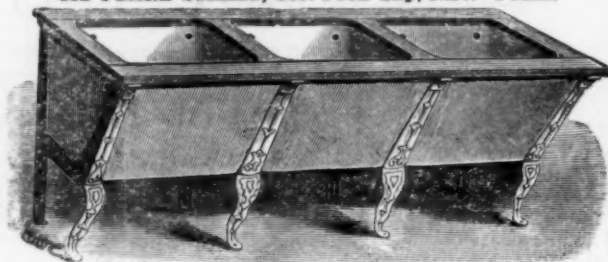


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Each bid must be accompanied by a certified check for a sum not less than two per cent of the amount of the proposal. The right is reserved to reject any or all bids and to waive any defect or informality in any bid. All proposals received after the time stated will be returned to the bidder. Proposals must be enclosed in envelopes sealed and marked "Proposal for the Interior Finish of the United States Court-house and Post-office building at Birmingham, Ala.," and addressed to W. J. EDBROOKE, Supervising Architect

February 8, 1892. Sealed proposals will be received at the office of the Supervising Architect, Treasury Department, Washington, D. C., until 2 o'clock P. M. on the 9th day of March, 1892, and opened immediately thereafter for furnishing and erecting complete the hydraulic passenger elevator, including pump, tanks, piping, car, etc., required for the United States Post-office, Court-house, etc., at Wichita, Kansas, in accordance with drawings and specification, copies of which may be had on application at this office or the office of the Custodian at Wichita, Kansas. Each proposal 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. All proposals received after the time stated will be returned to the bidder. Proposals must be enclosed in envelopes sealed and marked "Proposal for a Hydraulic Passenger Elevator for the United States Post-office, Court-house, etc., Building at Wichita,

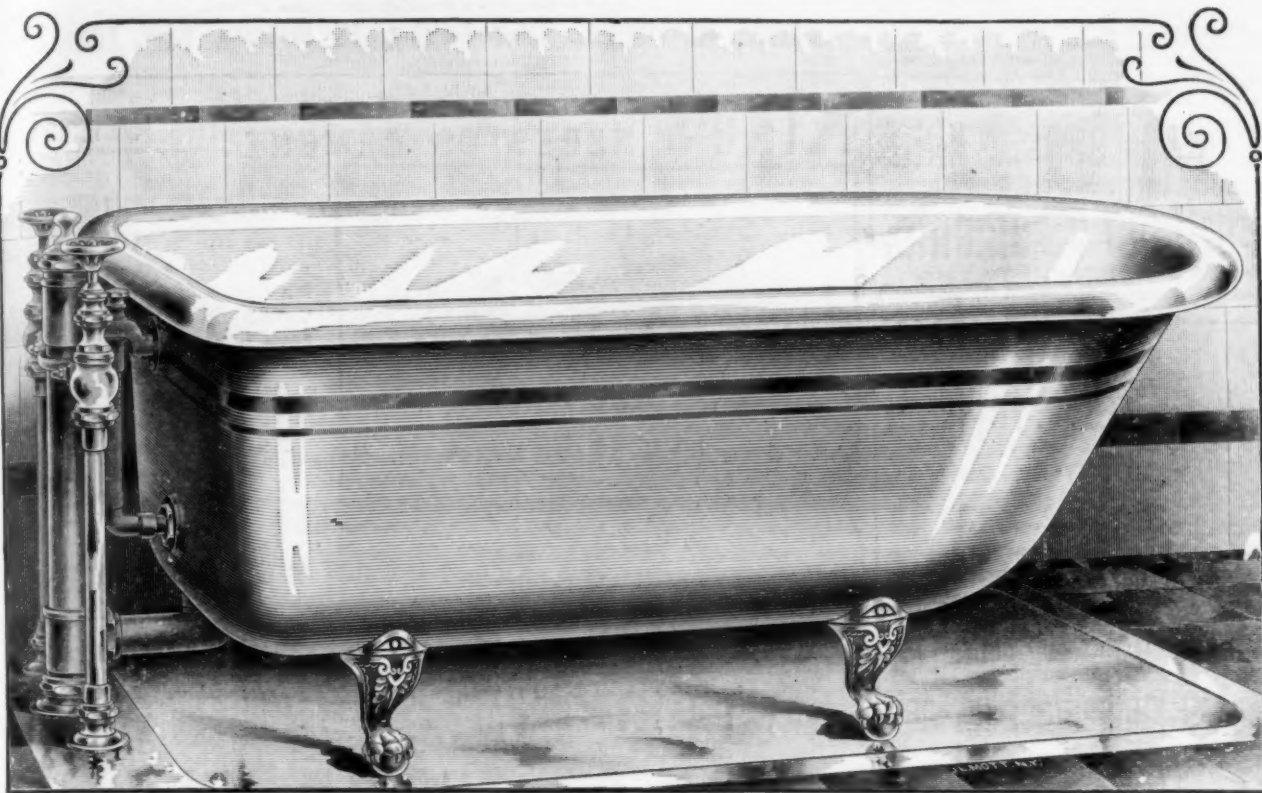
PROPOSALS.

Kansas," and addressed to W. J. EDBROOKE, Supervising Architect.

February 3, 1892. Sealed proposals will be received at the office of the Supervising Architect, Treasury Department, Washington, D. C., until 2 o'clock P. M. on the 24th day of February, 1892, for all the labor and materials required and fixing in place complete the low-pressure, return-circulation, steam-heating and ventilating apparatus for the United States Post-office building at Watertown, N. Y., 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 Watertown, N. Y. Bids will also be considered for any other system of heating and ventilating in lieu of the above, and parties proposing to supply such must submit their proposal, plans and specification for same. 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 Department will reject all bids received after the time herein stated for opening the same; also, bids which do not comply strictly with all the requirements and meaning of this invitation, or for any heating and ventilating apparatus not satisfactory to this Department. Proposals must be enclosed in envelopes sealed and marked "Proposal for the Low-Pressure, Return-Circulation, Steam-Heating and Ventilating Apparatus (or otherwise as the case may be) for the United States Post-office Building at Watertown, N. Y.," and addressed to W. J. EDBROOKE, Supervising Architect.

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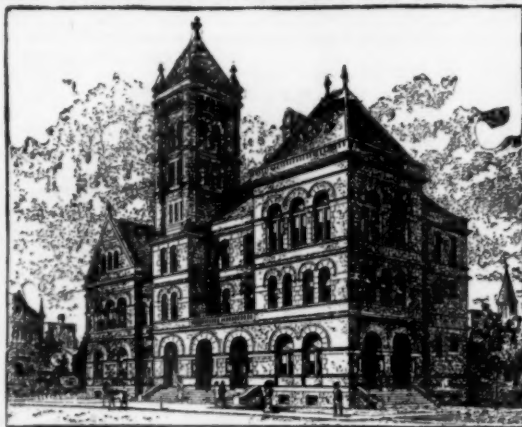
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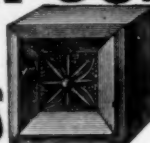
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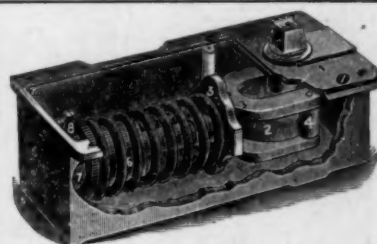
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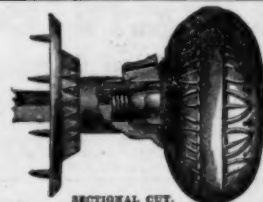
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Size	Weight	Size	Weight	Size	Weight	Size	Weight	Size	Weight
1 1/2 x 1 1/2	1 lb.	2 x 2	2 lb.	2 1/2 x 2 1/2	3 lb.	3 x 3	4 lb.	3 1/2 x 3 1/2	5 lb.
2 x 2	2 lb.	3 x 3	3 lb.	3 1/2 x 3 1/2	4 lb.	4 x 4	5 lb.	4 1/2 x 4 1/2	6 lb.
2 1/2 x 2 1/2	3 lb.	3 1/2 x 3 1/2	4 lb.	4 x 4	5 lb.	4 1/2 x 4 1/2	6 lb.	5 x 5	7 lb.
3 x 3	4 lb.	3 1/2 x 3 1/2	4 lb.	4 x 4	5 lb.	4 1/2 x 4 1/2	6 lb.	5 x 5	7 lb.
3 1/2 x 3 1/2	4 lb.	4 x 4	5 lb.	4 1/2 x 4 1/2	6 lb.	5 x 5	7 lb.	5 1/2 x 5 1/2	8 lb.
4 x 4	5 lb.	4 1/2 x 4 1/2	6 lb.	5 x 5	7 lb.	5 1/2 x 5 1/2	8 lb.	6 x 6	9 lb.
4 1/2 x 4 1/2	6 lb.	5 x 5	7 lb.	5 1/2 x 5 1/2	8 lb.	6 x 6	9 lb.	6 1/2 x 6 1/2	10 lb.
5 x 5	7 lb.	5 1/2 x 5 1/2	8 lb.	6 x 6	9 lb.	6 1/2 x 6 1/2	10 lb.	7 x 7	11 lb.
5 1/2 x 5 1/2	8 lb.	6 x 6	9 lb.	6 1/2 x 6 1/2	10 lb.	7 x 7	11 lb.	7 1/2 x 7 1/2	12 lb.
6 x 6	9 lb.	6 1/2 x 6 1/2	10 lb.	7 x 7	11 lb.	7 1/2 x 7 1/2	12 lb.	8 x 8	13 lb.
6 1/2 x 6 1/2	10 lb.	7 x 7	11 lb.	7 1/2 x 7 1/2	12 lb.	8 x 8	13 lb.	8 1/2 x 8 1/2	14 lb.
7 x 7	11 lb.	7 1/2 x 7 1/2	12 lb.	8 x 8	13 lb.	8 1/2 x 8 1/2	14 lb.	9 x 9	15 lb.
7 1/2 x 7 1/2	12 lb.	8 x 8	13 lb.	8 1/2 x 8 1/2	14 lb.	9 x 9	15 lb.	9 1/2 x 9 1/2	16 lb.
8 x 8	13 lb.	8 1/2 x 8 1/2	14 lb.	9 x 9	15 lb.	9 1/2 x 9 1/2	16 lb.	10 x 10	17 lb.
8 1/2 x 8 1/2	14 lb.	9 x 9	15 lb.	9 1/2 x 9 1/2	16 lb.	10 x 10	17 lb.	10 1/2 x 10 1/2	18 lb.
9 x 9	15 lb.	9 1/2 x 9 1/2	16 lb.	10 x 10	17 lb.	10 1/2 x 10 1/2	18 lb.	11 x 11	19 lb.
9 1/2 x 9 1/2	16 lb.	10 x 10	17 lb.	10 1/2 x 10 1/2	18 lb.	11 x 11	19 lb.	11 1/2 x 11 1/2	20 lb.
10 x 10	17 lb.	10 1/2 x 10 1/2	18 lb.	11 x 11	19 lb.	11 1/2 x 11 1/2	20 lb.	12 x 12	21 lb.
10 1/2 x 10 1/2	18 lb.	11 x 11	19 lb.	11 1/2 x 11 1/2	20 lb.	12 x 12	21 lb.	12 1/2 x 12 1/2	22 lb.
11 x 11	19 lb.	11 1/2 x 11 1/2	20 lb.	12 x 12	21 lb.	12 1/2 x 12 1/2	22 lb.	13 x 13	23 lb.
11 1/2 x 11 1/2	20 lb.	12 x 12	21 lb.	12 1/2 x 12 1/2	22 lb.	13 x 13	23 lb.	13 1/2 x 13 1/2	24 lb.
12 x 12	21 lb.	12 1/2 x 12 1/2	22 lb.	13 x 13	23 lb.	13 1/2 x 13 1/2	24 lb.	14 x 14	25 lb.
12 1/2 x 12 1/2	22 lb.	13 x 13	23 lb.	13 1/2 x 13 1/2	24 lb.	14 x 14	25 lb.	14 1/2 x 14 1/2	26 lb.
13 x 13	23 lb.	13 1/2 x 13 1/2	24 lb.	14 x 14	25 lb.	14 1/2 x 14 1/2	26 lb.	15 x 15	27 lb.
13 1/2 x 13 1/2	24 lb.	14 x 14	25 lb.	14 1/2 x 14 1/2	26 lb.	15 x 15	27 lb.	15 1/2 x 15 1/2	28 lb.
14 x 14	25 lb.	14 1/2 x 14 1/2	26 lb.	15 x 15	27 lb.	15 1/2 x 15 1/2	28 lb.	16 x 16	29 lb.
14 1/2 x 14 1/2	26 lb.	15 x 15	27 lb.	15 1/2 x 15 1/2	28 lb.	16 x 16	29 lb.	16 1/2 x 16 1/2	30 lb.
15 x 15	27 lb.	15 1/2 x 15 1/2	28 lb.	16 x 16	29 lb.	16 1/2 x 16 1/2	30 lb.	17 x 17	31 lb.
15 1/2 x 15 1/2	28 lb.	16 x 16	29 lb.	16 1/2 x 16 1/2	30 lb.	17 x 17	31 lb.	17 1/2 x 17 1/2	32 lb.
16 x 16	29 lb.	16 1/2 x 16 1/2	30 lb.	17 x 17	31 lb.	17 1/2 x 17 1/2	32 lb.	18 x 18	33 lb.
16 1/2 x 16 1/2	30 lb.	17 x 17	31 lb.	17 1/2 x 17 1/2	32 lb.	18 x 18	33 lb.	18 1/2 x 18 1/2	34 lb.
17 x 17	31 lb.	17 1/2 x 17 1/2	32 lb.	18 x 18	33 lb.	18 1/2 x 18 1/2	34 lb.	19 x 19	35 lb.
17 1/2 x 17 1/2	32 lb.	18 x 18	33 lb.	18 1/2 x 18 1/2	34 lb.	19 x 19	35 lb.	19 1/2 x 19 1/2	36 lb.
18 x 18	33 lb.	18 1/2 x 18 1/2	34 lb.	19 x 19	35 lb.	19 1/2 x 19 1/2	36 lb.	20 x 20	37 lb.
18 1/2 x 18 1/2	34 lb.	19 x 19	35 lb.	19 1/2 x 19 1/2	36 lb.	20 x 20	37 lb.	20 1/2 x 20 1/2	38 lb.
19 x 19	35 lb.	19 1/2 x 19 1/2	36 lb.	20 x 20	37 lb.	20 1/2 x 20 1/2	38 lb.	21 x 21	39 lb.
19 1/2 x 19 1/2	36 lb.	20 x 20	37 lb.	20 1/2 x 20 1/2	38 lb.	21 x 21	39 lb.	21 1/2 x 21 1/2	40 lb.
20 x 20	37 lb.	20 1/2 x 20 1/2	38 lb.	21 x 21	39 lb.	21 1/2 x 21 1/2	40 lb.	22 x 22	41 lb.
20 1/2 x 20 1/2	38 lb.	21 x 21	39 lb.	21 1/2 x 21 1/2	40 lb.	22 x 22	41 lb.	22 1/2 x 22 1/2	42 lb.
21 x 21	39 lb.	21 1/2 x 21 1/2	40 lb.	22 x 22	41 lb.	22 1/2 x 22 1/2	42 lb.	23 x 23	43 lb.
21 1/2 x 21 1/2	40 lb.	22 x 22	41 lb.	22 1/2 x 22 1/2	42 lb.	23 x 23	43 lb.	23 1/2 x 23 1/2	44 lb.
22 x 22	41 lb.	22 1/2 x 22 1/2	42 lb.	23 x 23	43 lb.	23 1/2 x 23 1/2	44 lb.	24 x 24	45 lb.
22 1/2 x 22 1/2	42 lb.	23 x 23	43 lb.	23 1/2 x 23 1/2	44 lb.	24 x 24	45 lb.	24 1/2 x 24 1/2	46 lb.
23 x 23	43 lb.	23 1/2 x 23 1/2	44 lb.	24 x 24	45 lb.	24 1/2 x 24 1/2	46 lb.	25 x 25	47 lb.
23 1/2 x 23 1/2	44 lb.	24 x 24	45 lb.	24 1/2 x 24 1/2	46 lb.	25 x 25	47 lb.	25 1/2 x 25 1/2	48 lb.
24 x 24	45 lb.	24 1/2 x 24 1/2	46 lb.	25 x 25	47 lb.	25 1/2 x 25 1/2	48 lb.	26 x 26	49 lb.
24 1/2 x 24 1/2	46 lb.	25 x 25	47 lb.	25 1/2 x 25 1/2	48 lb.	26 x 26	49 lb.	26 1/2 x 26 1/2	50 lb.
25 x 25	47 lb.	25 1/2 x 25 1/2	48 lb.	26 x 26	49 lb.	26 1/2 x 26 1/2	50 lb.	27 x 27	51 lb.
25 1/2 x 25 1/2	48 lb.	26 x 26	49 lb.	26 1/2 x 26 1/2	50 lb.	27 x 27	51 lb.	27 1/2 x 27 1/2	52 lb.
26 x 26	49 lb.	26 1/2 x 26 1/2	50 lb.	27 x 27	51 lb.	27 1/2 x 27 1/2	52 lb.	28 x 28	53 lb.
26 1/2 x 26 1/2	50 lb.	27 x 27	51 lb.	27 1/2 x 27 1/2	52 lb.	28 x 28	53 lb.	28 1/2 x 28 1/2	54 lb.
27 x 27	51 lb.	27 1/2 x 27 1/2	52 lb.	28 x 28	53 lb.	28 1/2 x 28 1/2	54 lb.	29 x 29	55 lb.
27 1/2 x 27 1/2	52 lb.	28 x 28	53 lb.	28 1/2 x 28 1/2	54 lb.	29 x 29	55 lb.	29 1/2 x 29 1/2	56 lb.
28 x 28	53 lb.	28 1/2 x 28 1/2	54 lb.	29 x 29	55 lb.	29 1/2 x 29 1/2	56 lb.	30 x 30	57 lb.
28 1/2 x 28 1/2	54 lb.	29 x 29	55 lb.	29 1/2 x 29 1/2	56 lb.	30 x 30	57 lb.	30 1/2 x 30 1/2	58 lb.
29 x 29	55 lb.	29 1/2 x 29 1/2	56 lb.	30 x 30	57 lb.	30 1/2 x 30 1/2	58 lb.	31 x 31	59 lb.
29 1/2 x 29 1/2	56 lb.	30 x 30	57 lb.	30 1/2 x 30 1/2	58 lb.	31 x 31	59 lb.	31 1/2 x 31 1/2	60 lb.
30 x 30	57 lb.	30 1/2 x 30 1/2	58 lb.	31 x 31	59 lb.	31 1/2 x 31 1/2	60 lb.	32 x 32	61 lb.
30 1/2 x 30 1/2	58 lb.	31 x 31	59 lb.	31 1/2 x 31 1/2	60 lb.	32 x 32	61 lb.	32 1/2 x 32 1/2	62 lb.
31 x 31	59 lb.	31 1/2 x 31 1/2	60 lb.	32 x 32	61 lb.	32 1/2 x 32 1/2	62 lb.	33 x 33	63 lb.
31 1/2 x 31 1/2	60 lb.	32 x 32	61 lb.	32 1/2 x 32 1/2	62 lb.	33 x 33	63 lb.	33 1/2 x 33 1/2	64 lb.
32 x 32	61 lb.	32 1/2 x 32 1/2	62 lb.	33 x 33	63 lb.	33 1/2 x 33 1/2	64 lb.	34 x 34	65 lb.
32 1/2 x 32 1/2	62 lb.	33 x 33	63 lb.	33 1/2 x 33 1/2	64 lb.	34 x 34	65 lb.	34 1/2 x 34 1/2	66 lb.
33 x 33	63 lb.	33 1/2 x 33 1/2	64 lb.	34 x 34	65 lb.	34 1/2 x 34 1/2	66 lb.	35 x 35	67 lb.
33 1/2 x 33 1/2	64 lb.	34 x 34	65 lb.	34 1/2 x 34 1/2	66 lb.	35 x 35	67 lb.	35 1/2 x 35 1/2	68 lb.
34 x 34	65 lb.	34 1/2 x 34 1/2	66 lb.	35 x 35	67 lb.	35 1/2 x 35 1/2	68 lb.	36 x 36	69 lb.
34 1/2 x 34 1/2	66 lb.	35 x 35	67 lb.	35 1/2 x 35 1/2	68 lb.	36 x 36	69 lb.	36 1/2 x 36 1/2	70 lb.
35 x 35	67 lb.	35 1/2 x 35 1/2	68 lb.	36 x 36	69 lb.	36 1/2 x 36 1/2	70 lb.	37 x 37	71 lb.
35 1/2 x 35 1/2	68 lb.	36 x 36	69 lb.	36 1/2 x 36 1/2	70 lb.	37 x 37	71 lb.	37 1/2 x 37 1/2	72 lb.
36 x 36	69 lb.	36 1/2 x 36 1/2	70 lb.	37 x 37	71 lb.	37 1/2 x 37 1/2	72 lb.	38 x 38	73 lb.
36 1/2 x 36 1/2	70 lb.	37 x 37	71 lb.	37 1/2 x 37 1/2	72 lb.	38 x 38	73 lb.	38 1/2 x 38 1/2	74 lb.
37 x 37	71 lb.	37 1/2 x 37 1/2	72 lb.	38 x 38	73 lb.	38 1/2 x 38 1/2	74 lb.	39 x 39	75 lb.
37 1/2 x 37 1/2	72 lb.	38 x 38	73 lb.	38 1/2 x 38 1/2	74 lb.	39 x 39	75 lb.	39 1/2 x 39 1/2	76 lb.
38 x 38	73 lb.	38 1/2 x 38 1/2	74 lb.	39 x 39	75 lb.	39 1/2 x 39 1/2	76 lb.	40 x 40	77 lb.
38 1/2 x 38 1/2	74 lb.	39 x 39	75 lb.	39 1/2 x 39 1/2	76 lb.	40 x 40	77 lb.	40 1/2 x 40 1/2	78 lb.
39 x 39	75 lb.	39 1/2 x 39 1/2	76 lb.	40 x 40	77 lb.	40 1/2 x 40 1/2	78 lb.	41 x 41	79 lb.
39 1/2 x 39 1/2	76 lb.	40 x 40	77 lb.	40 1/2 x 40 1/2	78 lb.	41 x 41	79 lb.	41 1/2 x 41 1/2	80 lb.
40 x 40	77 lb.	40 1/2 x 40 1/2	78 lb.	41 x 41	79 lb.	41 1/2 x 41 1/2	80 lb.	42 x 42	81 lb.
40 1/2 x 40 1/2	78 lb.	41 x 41	79 lb.	41 1/2 x 41 1/2	80 lb.	42 x 42	81 lb.	42 1/2 x 42 1/2	82 lb.
41 x 41	79 lb.	41 1/2 x 41 1/2	80 lb.	42 x 42	81 lb.	42 1/2 x 42 1/2	82 lb.	43 x 43	83 lb.
41 1/2 x 41 1/2	80 lb.	42 x 42	81 lb.	42 1/2 x 42 1/2	82 lb.	43 x 43	83 lb.	43 1/2 x 43 1/2	84 lb.
42 x 42	81 lb.	42 1/2 x 42 1/2	82 lb.	43 x 43	83 lb.	43 1/2 x 43 1/2	84 lb.	44 x 44	85 lb.
42 1/2 x 42 1/2	82 lb.	43 x 43	83 lb.	43 1/2 x 43 1/2	84 lb.	44 x 44	85 lb.	44 1/2 x 44 1/2	86 lb.
43 x 43	83 lb.	43 1/2 x 43 1/2	84 lb.	44 x 44	85 lb.	44 1/2 x 44 1/2	86 lb.	45 x 45	87 lb.
43 1/2 x 43 1/2	84 lb.	44 x 44	85 lb.	44 1/2 x 44 1/2	86 lb.	45 x 45	87 lb.	45 1/2 x 45 1/2	88 lb.
44 x 44	85 lb.	44 1/2 x 44 1/2	86 lb.	45 x 45	87 lb.	45 1/2 x 45 1/2	88 lb.	46 x 46	89 lb.
44 1/2 x 44 1/2	86 lb.	45 x 45	87 lb.	45 1/2 x 45 1/2	88 lb.	46 x 46	89 lb.	46 1/2 x 46 1/2	90 lb.
45 x 45	87 lb.	45 1/2 x 45 1/2	88 lb.	46 x 46	89 lb.	46 1/2 x 46 1/2	90 lb.	47 x 47	91 lb.
45 1/2 x 45 1/2	88 lb.	46 x 46	89 lb.	46 1/2 x 46 1/2	90 lb.	47 x 47	91 lb.	47 1/2 x 47 1/2	92 lb.
46 x 46	89 lb.	46 1/2 x 46 1/2	90 lb.	47 x 47	91 lb.	47 1/2 x 47 1/2	92 lb.	48 x 48	93 lb.
46 1/2 x 46 1/2	90 lb.	47 x 47	91 lb.	47 1/2 x 47 1/2	92 lb.	48 x 48	93 lb.	48 1/2 x 48 1/2	94 lb.
47 x 47	91 lb.	47 1/2 x 47 1/2	92 lb.	48 x 48	93 lb.	48 1/2 x 48 1/2	94 lb.	49 x 49	95 lb.
47 1/2 x 47 1/2	92 lb.	48 x 48	93 lb.	48 1/2 x 48 1/2	94 lb.	49 x 49	95 lb.	49 1/2 x 49 1/2	96 lb.
48 x 48	93 lb.	48 1/2 x 48 1/2	94 lb.	49 x 49	95 lb.	49 1/2 x 49 1/2	96 lb.	50 x 50	97 lb.
48 1/2 x 48 1/2	94 lb.	49 x 49	95 lb.	49 1/2 x 49 1/2	96 lb.	50 x 50	97 lb.	50 1/2 x 50 1/2	98 lb.
49 x 49	95 lb.	49 1/2 x 49 1/2	96 lb.	50 x 50	97 lb.	50 1/2 x 50 1/2	98 lb.	51 x 51	99 lb.
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Ash.....	@ 55 00	45 00 @ 60 00	30 00 @ 35 00	30 00 @ 40 00
Cherry.....	80 00 @ 120 00	90 00 @ 120 00	80 00 @ 110 00	100 00 @ 120 00
Butternut.....	40 00 @ 60 00	60 00 @ 70 00	50 00 @ 60 00	70 00 @ 80 00
Hard-pine floors (rift).....	@ 180 00	150 00 @ 160 00	150 00 @ 200 00	150 00 @ 250 00
Mahogany, Baywood (Mexican).....	@ 350 00	120 00 @ 350 00	200 00 @ 250 00	200 00 @ 400 00
St. Domingo.....	45 00 @ 50 00	45 00 @ 50 00	18 00 @ 35 00	25 00 @ 55 00
Maple.....	@ 70 00	@ 50 00	32 00 @ 40 00	45 00 @ 55 00
Oak, red.....	@ 70 00	50 00 @ 55 00	22 00 @ 40 00	45 00 @ 55 00
" white.....	@ 90 00	65 00 @ 75 00	45 00 @ 50 00	60 00 @ 75 00
" quartered.....		50 00 @ 65 00	35 00 @ 50 00	57 50 @ 65 00
Sycamore quartered.....		50 00 @ 75 00	35 00 @ 50 00	@ 65 00
Pine, clear.....	65 00 @ 70 00	60 00 @ 70 00	55 00 @ 60 00	60 00 @ 75 00
Redwood.....	60 00 @ 70 00	@ 6	@ 7	
Rosewood..... P. M.....		32 00 @ 35 00		
Spruce floors (clear, kiln-dried).....	125 00 @ 150 00	85 00 @ 120 00	55 00 @ 100 00	50 00 @ 170 00
Walnut, black.....	45 00 @ 50 00	18 00 @ 40 00	18 00 @ 40 00	25 00 @ 40 00
Whitewood.....	@ 45 00	40 00 @ 42 00	29 00 @ 40 00	@ 42 00
Yellow pine..... P. M.....				

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Up River.....	@	Domestic Face 20 00 @ 22 00	St. Louis Fronts @ 27 00	Sq. " @ 9 00
Haverstraw Bay 2d.....	@	Philadelphia } 40 00 @ 45 00		Light Stretchers @ 10 00
" 1st.....	@ 13 00	Phila. mould } 50 00 @ 55 00		Medium " @ 12 00
Hollow.....	@ 13 00	Anderson 14 00 @ 32 00		Red " @ 13 00
Fronts:				Dark " @ 13 00
Croton, Brown.....	@ 13 00		15 00 @ 27 00	Pressed 15 00 @ 20 00
" dark.....	@ 14 00		65 00 @ 350 00	Best Paving @ 14 00
" red.....	@ 14 00		45 00 @ 50 00	Second " @ 13 00
Chicago pressed (Anderson).....	@ 14 00		45 00 @	Third " @ 12 00
" Moulded.....			25 00 @	Dom. { @ 65
Baltimore.....	37 00 @ 41 00		60 00 @ 100 00	@ 87
Philadelphia.....	23 00 @ 24 00		30 @	
Trenton.....	22 00 @ 23 00		35 @	
Milwaukee.....			55 00 @ 65 00	
Moulded:			@ 100 00	
Glens Falls Red Pressed.....	@ 37 00		@ 120 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			
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Portland, English (Gibbs).....	2 50 @ 3 00	2 60 @ 3 00	2 75 @ 3 25	2 85 @ 3 15
" (K. B. & S.).....	2 50 @ 3 00	2 60 @ 3 00	3 00 @ 3 25	2 75 @ 3 00
" " Black Cross.....	2 25 @ 2 50	2 60 @ 3 00	3 00 @ 3 25	2 85 @ 3 15
" " (Burnham).....	2 50 @ 2 80	2 60 @ 3 00	2 90 @ 3 15	2 75 @ 2 85
" " (White's).....	2 65 @ 3 00	2 60 @ 3 00	3 00 @ 3 25	
" French (Lafarge).....	3 60 @ 3 75	@ 5 00	3 75 @ 4 25	Hemmoor 2 50 @ 2 75
" German (Alsen).....	2 90 @ 3 25	3 00 @ 3 50	@ 3 20	2 75 @ 2 85
" " (Fewer).....	2 25 @ 2 40	3 15 @ 3 35	3 20 @ 3 40	Josson 2 60 @ 2 75
" " (Vorwöhler).....	2 50 @ 2 90	Cleopatra 2 55 @ 3 00	2 75 @ 3 00	3 90 @ 3 25
" " (Lagerhofer).....	2 90 @ 3 25	3 00 @ 3 50	3 25 @ 3 50	2 75 @ 2 85
" " (Hanover).....	2 50 @ 3 00		Not sold.	Not sold.
" " Stettin (Anchor).....	2 35 @ 2 85		Not sold.	Not sold.
" American (Saylor's).....	2 15 @ 2 45	2 15 @ 2 50	2 75 @ 3 00	2 70 @ 3 00
Roman.....	2 75 @ 3 00	@ 3 00	2 75 @ 3 25	3 00 @ 3 50
Keene's coarse.....	5 75 @ 6 50	@ 6 00	6 00 @ 7 00	6 50 @ 7 00
" superfine.....	9 25 @ 10 25	@ 11 50	9 00 @ 10 50	8 00 @ 9 00
Lime:				
Lime of Tell.....	3 50 @ 4 00	@ 1 35	Not sold.	White Lime P bush 25 @ 30
Hydraulic Lime.....	@ 1 45	St. John 1 00	55 @	White Mash 1 25 @ 1 50
Chicago Lime in bulk.....	@ 85	@ 1 05	60 @	1 00 @ 1 00
Wisconsin Lime.....	@ 1 00	@ 1 10	Not sold.	
Rockland and Rockport, (Com.).....	@ 1 20	@ 1 20	Not sold.	
Rockland and Rockport, finish.....	@ 1 05	Not sold.	1 00 bulk, 75c.	
Kelley Island Lime, finish.....	@ 1 05	Not sold.	Not sold.	
State, com. cargo rates (nom.).....	1 20 @ 1 25	1 85 @ 2 00	1 85 @ 1 90	Not sold.
State, finishing.....	1 30 @ 1 35	@ 2 25	1 85 @ 1 90	1 50 @ 2 25
Plaster of Paris (calcined).....	16 @ 18	25 @ 30	20 @ 25	1 75 @ 2 50
" (casting).....	25 @ 28	@ 30	30 @ 35	20 @ 25
Hair (Cattle) P bush.....	1 00 @ 1 25	1 75 @ 1 90	@ 60	30 @ 35
" (Goat).....				@ 1 50
Sand, P load.....				
STONE. (P cubic foot, rough.)				
Granite: (Maine)		@ 60		55 @ 65
Limestone:				
Bedford.....	45 @ 1 25	95 @ 1 00	50 @	75 @ 90
Joliet.....	@ 1 00		35 @ 55	Riehmond 75 @ 1 50
Lemont.....	@		35 @ 60	P Perch @ 4 50
Serpentine.....	@	10 50 per ton	@ 1 00	

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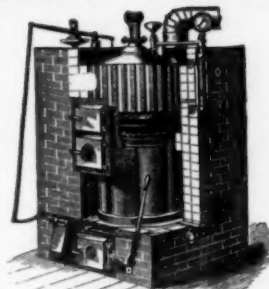
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Colorite p lb.	@ 24	@	@	@
Red	@ 3	@	@	@
White p bbl.	@ 1 75	@	@	@
Foundation:				
Dimension	@	5 00 p ton.	@	@ 5 00
Block	@	4 60 p perch.	@	Conshocken
Rubble	@	1 25 @ 1 50	8 50 @	1 45 @ 2 50
Bluestone: p sq. ft.				
Sidewalk	30 @ 5 00	40 @ 1 75	75 @ 1 00	1 in. th. 10 @ 25
Planned	50 @ 6 00	@ 75	50 @ 1 00	37 @ 50
Sandstone:				
Longmeadow	@ 80	80 @ 90	@	@ 95 @ 1 16
Kibbe	@ 90	90 @ 1 10	@	@ 1 05 @ 1 35
Brown (Connecticut)	1 00 @ 95	1 25 @ 1 45	1 50 p cub. ft.	@ 55 @ 1 00
Amherst	@ 90 @ 95	90 @ 1 00	45 @ 50	@ 1 10 @ 1 00
Berea Ohio	75 @ 1 00	85 @ 90	45 @ 55	1 25 @ 1 00
Berlin	75 @ 1 00	80 @ 90	55 @ 65	95 @ 1 00
Belleville	80 @ 1 25	1 25 @ 1 35	@ 1 25	@
New Brunswick (Dorchester)	@ 1 00	75 @ 90	@	@
Caen	@ 1 05	@ 2 00	@	@
Carlisle, English	@ 1 05	@ 1 05	@	@
Corse Hill (Scotch)	@ 1 05	@ 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	@	@	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	1 50 @ 10 25
black, Lehigh	4 25 @ 4 75	@	6 25 @ 6 85	3 25 @ 4 00
Chapmans	@	@	7 30 @ 8 00	3 00 @ 4 65
Unfading black, Monson, Mo.	5 50 @ 8 00	5 50 @ 8 00	6 00 @ 9 00	5 50 @ 8 00
Tiles, Am p M.	@	@	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	7 @ 7 1/2	6 1/2 @ 7	@ 7 1/2
zinc	5 @ 8	7 @ 8	7 @ 10 1/2	@ 7
Red lead, Am.	6 1/2 @ 7	7 @ 7 1/2	6 1/2 @ 7	@ 7 1/2
Venetian	6 @ 10 1/2	7 @ 75 dry	1 1/2 @ 2 1/2	dry Eng. @ 7
Vermillion	65 @ 70	12 @ 20	65 @ 68	Eng. @ 76
Indian, Eng.	12 @ 20	7 @ 12	12 @ 20	6 1/2 @ 7
Yellow Ochre	6 @ 15	7 @ 12	8 @ 15	dry Am. @ 1 1/2
Chrome	12 @ 20	18 @ 25	15 @ 25	@ 18
Green (chrome)	8 @ 13	8 @ 20	8 @ 20	@ 21
Green, Paris	25 @ 40	25 @ 40	18 @ 35	" 15 @ 20
Black, lamp	15 @ 25	15 @ 25	8 @ 30	8 @ 12
Blue, ultramarine	12 @ 18	18 @ 30	12 @ 35	10 @ 24
Oil, linseed, (raw)	55 @ 62	36 @ 37	57 @ 60	@ 60
boiled	58 @ 65	39 @ 40	60 @ 63	@ 63
Turpentine	36 @ 37	@ 46	51 @ 51	@ 44
Varnish, coach	@	1 50 @ 6 00	1 25 @ 2 00	1 25 @ 3 00
Shellac	@	2 50 @ 3 00	2 25 @ 4 00	1 50 @ 3 00
Putty	2 @	2 @ 4	2 @ 2 1/2	2 @ 2 1/2
Whiting	75 @ 1 00	1 @ 1 1/2	1 @ 1 1/2	@ 1
Paris white, (Eng.)	1 30 @ 2 00	2 @ 3	1 1/2 @ 2	1 1/2 @ 2
Litharge, Am.	5 1/2 @ 8	7 @ 7 1/2	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
HARDWARE.				
Nails: (Per Cask.) Spikes, (wrought.)	@ 2 85	@	2 75 @ 3 00	per keg @ 2 25
10d. common	@ 2 60	@ 2 10	@ 2 35	@ 2 30
Shingle	@ 3 35	@ 2 20	@ 2 75	@ 2 60
Lath	@ 4 85	@ 3 10	@ 3 65	3 60 @ 4 75
(Finishing nails according to size.)	@	@	Add. 85 to \$1.15	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.)	@	@	@ 90	2 90 (all kinds.)
Plain	@ 1 00	@ 1 20	Not Sold.	@ 90
Japanned	@ 1 59	@ 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	@ 98
Lava	@ 50	@ 75	65 @ 80	Not Sold.
Hemacite	Not Sold.	17 @ 30	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	13 @ 16	13 1/2 @ 16
Lead Pipe	@	@ 6 1/2	@ 7	@ 6 1/2
Iron:				
I-Beams, up to and including 36 ft.	3 34 @ 3 1/2	@ 3 1-10	@	@ 28-10
I-Beams, over 36 ft. 1 1/2 c. advance.	@	@	3 20 @ 3 70	@ 28-1
Channel-Beams	3 3-10 @ 3 1/2	@ 3 1-10	3 20 @ 3 70	@

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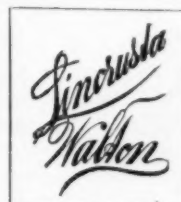
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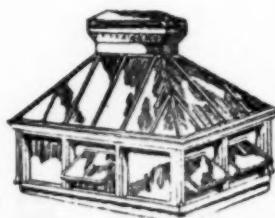
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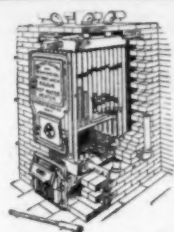
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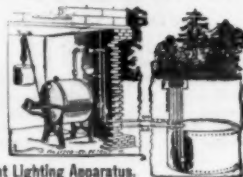
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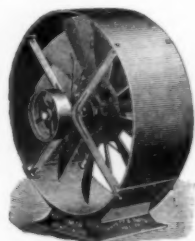
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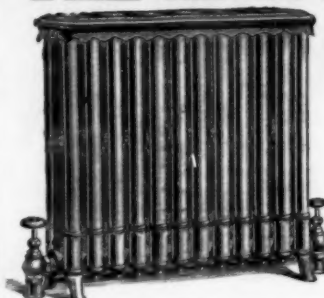
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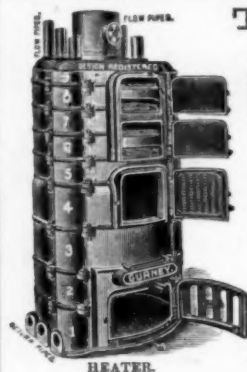
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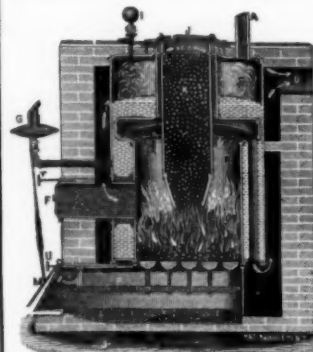
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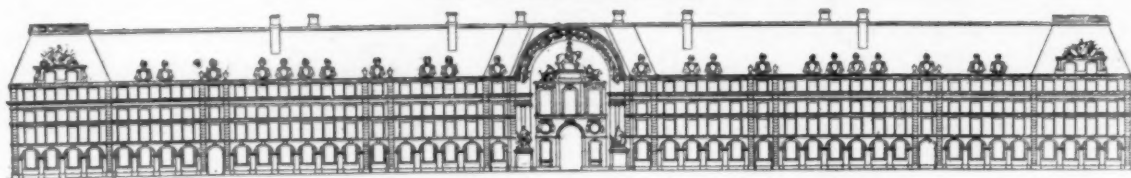
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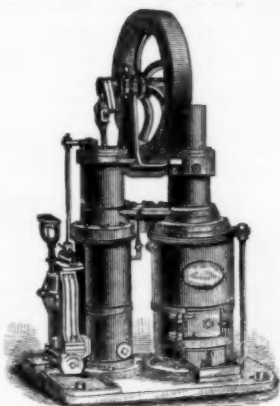
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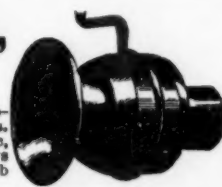
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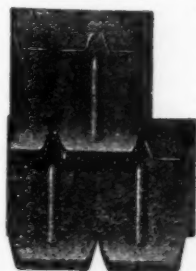
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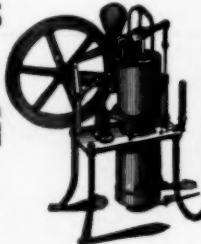
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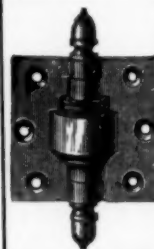
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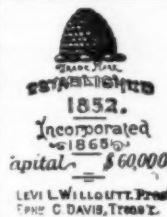
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asphalt, Brown Bros. & Co.

From Rotterdam. — Steamer "Sparndam," 4 cases
statues, Stoltzenberg & Co.; 1 case fire bricks, order.

From St. Jago. — Steamer "Santiago," 41 logs ma-
hogany, Ichabod T. Williams & Sons; 12 do., Wil-
lard Hayes & Co.; 14 do., G. Ansineck & Co.

From St. John, N. B. — Schooner "Maggie Willet,"
10 casks stone, H. Behr & Co.

From Vera Cruz. — Steamer "Fucatan," 39 casks
asphalt, Seeger Guernsey; 2 cases marble, James
E. Ward & Co. Steamer "Baldomero Iglesias," 45
blocks marble, S. Klaber & Co.

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.

Brooklyn, N. Y. — Sackett St., No. 36, three-st'y
brick store and dwell., internal alterations, cost,
\$4,100; owner, Marco Foggi, 35 Baxter St., New
York City; architect, Peter Integlia, 113 Union St.

BUILDING INTELLIGENCE.

Camden, N. J. — Haddon Ave. and Pa. R. R., altera-
tions to store and dwell.; owner, Chas. E. Poekerto.
Broadway, No. 511, alterations and additions to
brick dwell.; owner, John H. Chew.

Stevens St., n. w. cor. Fifth St., alterations to
building; owner, A. Turton.

Knigh Ave., bet. Seventh and Eighth Sts., al-
terations to building; owner, Chas. R. Smith.

Chicago, Ill. — Isaac Bernstein, two-st'y addition,
3534 State St.; cost, \$4,000.

F. E. Peterson, four-st'y addition, 426 Cleveland
Ave.; cost, \$4,000.

Philadelphia, Pa. — Fairmount and Delaware
Aves., interior and exterior alterations and repairs
to storehouse; owner, Aslie, Trinkle & Co.

Oxford St., cor. Front St., one-st'y brick building
in rear of and addi. on to dye-works; owner, Thos.
Dolan; contractor, David Mayhew, 1426 Palmer St.

George St., cor. Fourth St., alterations and addi-
tions to Mechanics Hall; contractor, Leonard
Schwab, 940 North Sixth St.

Market and Merrick Sts., extensive alterations
and improvements to the Broad St. station of the
Pa. R. R. Co.; architects, Wilson Bros. & Co.

Fourth St., bet. Locust and Spruce Sts., interior
alterations to St. Mary's Roman Catholic Church;
architect, P. A. Welsh, 429 Walnut St.

Pennsylvania Ave., bet. Seventeenth and Eigh-
teenth Sts., addition of two buildings to the plant
of the Baldwin Locomotive Works; cost, about
\$10,000.

APARTMENT-HOUSES.

Chicago, Ill. — James Schere, 2 two-st'y flats, 1755-
1757 Sherman Pl.; cost, \$10,000.

C. E. Patten, three-st'y flats, 2944 South Park
Ave.; cost, \$5,000.

Holmquist & Co., 2 three-st'y flats, 4746-4748 Lang-
ley Ave.; cost, \$17,500.

E. D. Murray, Jr., three-st'y flats, South Chicago
Ave., near Cottage Grove Ave.; cost, \$10,000.

Herman Wenderf, three-st'y flats, 5042 Paulina
St.; cost, \$3,500.

Jane Keating, two-st'y flats, 101 Bismarck St.;
cost, \$3,000.

Charles W. Young, 3 two-st'y flats, 1272-1276 Wil-
cox Ave.; cost, \$14,000.

John Burns, 2 three-st'y flats, 6330-6332 Dickey
St.; cost, \$8,000.

F. C. Wegeworth, two-st'y flats, 1539 West Monroe
St.; cost, \$4,000.

C. J. McGee, two-st'y flat, 645 Flournoy St.; cost,
\$3,000.

(Continued on page xx.)

IN PREPARATION.

To be published in Four parts, Folio, each containing Eighteen Plates, a portion of which will be reproduced from Photographs specially taken from the originals, and the others from measured Drawings by the Authors. With Letterpress illustrated by numerous Sketches.

Norman Monuments

— OF —

PALERMO AND ENVIRONS

A Study by ARNE DEHLI, ARCHITECT,

Author of "DETAILS OF BYZANTINE ORNAMENT," comprising: ST. MARK'S, VENICE and RAVENNA,

— ASSISTED BY —

G. HOWARD CHAMBERLIN, Architect.



ALTHOUGH numerous works have been issued on single monuments or those of single cities or provinces, the mediæval styles of Italy are yet far from having received the attention they deserve.

A perfect sifting of the elements that went to make up the architecture of mediæval Italy is yet to be undertaken, and will require as a preliminary work that of investigating the origin of the Byzantine style and clearly defining it. In the meanwhile every little stone that can be carried to the building may be of some use, especially if it represent honest and careful investigation.

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, 14 x 18, and publication will be begun early in 1892. 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.

The price will be \$5.00 per part, in all cases payable upon the delivery of the numbers. A deduction of ten per cent will be made if paid in full in advance. After completion, the price will be raised to \$25.00 per set.

TICKNOR & CO., Publishers, 211 Tremont St., BOSTON.

Jacob Burger, three-sty flat, 1702 Dewey St.; cost, \$6,000.
 M. E. Smith, four-sty flats, 3133 Wabash Ave.; cost, \$14,000.
 M. R. Thompson, three-sty flats, 1212 Van Buren St.; cost, \$5,000.
 James P. Kerwin, two-sty flats, 1628 Fillmore St.; cost, \$3,500.
 J. Holzhauser, three-sty flats, 294 West Congress St.; cost, \$5,000.
 J. D. Roe, two-sty flats, 1391 Monroe St.; cost, \$5,000.
 Conlan & Folz, three-sty flats, 6934-6938 Stony Island Ave.; cost, \$20,000.
 Rood Teed, two-sty flat, 175 Twenty-fourth Pl.; cost, \$4,000.
 James Kell, three-sty flats, 617 West Taylor St.; cost, \$4,000.
 E. A. Prester, two-sty flats, 1563 West Monroe St.; cost, \$6,500.
 C. E. Carlson, three-sty flats, 1261-1263 Wilton Ave.; cost, \$5,000.
 Whelan Bros., two-sty flats, Avenue L and Ninety-sixth St.; cost, \$3,500.
 P. C. Boulin, two-sty flats, 6358 Evans Ave.; cost, \$6,000.
 James McCoulie, 6 three-sty flats, 6000-6004 Dearborn St.; cost, \$17,000.

New York, N. Y.—*Madison Ave.*, e s, bet. One Hundred and Second and One Hundred and Third St., 2 seven-sty brick, stone and terra-cotta flats; cost, \$70,000; owners, Sevestre & Casack; architect, John B. Cushman.

Columbus Ave., s w cor. Eighty-fifth St., 3 five-sty brick and stone apartment-houses; owner and architect, John G. Prague.

Willis Ave., One Hundred and Fortieth to One One Hundred and Forty-first St., 6 five-sty brick flats, tin roofs; cost, \$130,000; owner, Wm. O. Gorman, 252 Willis Ave.; architect, Walter C. Hornum, 150 East One Hundred and Twenty-fifth St.

Forty-sixth St., n s, 375 w Tenth Ave., five-sty brick flat, tin roof; cost, \$18,000; owner, James Mulholland, 445 West Forty-eighth St.; architect, James W. Cole, 403 West Fifty-first St.

Forty-sixth St., n s, 100 w Tenth Ave., 2 five-sty brick flats; cost, \$36,000; owner, John McKelvey, 454 West Forty-ninth St.; architect, James W. Cole, 403 West Fifty-first St.

Eighty Ave., w s, 25 w s, five-sty brick flat, tin roof; cost, \$22,000; owner, Mary C. Ohl, 1115 Lafayette Ave.; architect, James W. Cole, 403 West Fifty-first St.

CHURCHES.

Atlantic City, N. J.—A Lutheran church will be built on a lot recently purchased for that purpose for about \$9,000.

Columbus, Ga.—The First Presbyterian Church will be remodeled and rebuilt at a cost of abt. \$30,000.

Houston, Texas.—New edifices will be built for Christ Episcopal Church to cost abt. \$50,000.

Latrobe, Pa.—The Benedictine priests of St. Vincent's Monastery have accepted plans for a church; seating-capacity, 5,000.

Mansfield, Pa.—*Main St.*, cor. Washington Ave., new church will be built by the congregation of the First Presbyterian Church at a cost of about \$35,000.

FACTORIES.

Boston, Mass.—*A St.*, rear 167, Ward 13, one-sty frame factory and office, flat and pitch roof, 25' x 70', and office 15' x 20'; owner, Massachusetts Chemical Co.; builder, James Curtis.

Chicago, Ill.—C. Carlson, three-sty factory, 850 Seymour St.; cost, \$11,200.

New York, N. Y.—*Mercer St.*, No. 79, six-sty brick factory, tin roof; cost, \$35,000; owner, Lewis Friedman, 44 East Sixty-seventh St.; architects, Cleverdon & Putzell, 13 Astor Pl.

Girard Ave., e s, 250 s One Hundred and Thirty-eighth St., four-sty brick factory, gravel roof; cost, \$40,000; owner, Alexander Cameron, 96 Eighth Ave.; architect, Henry Davidson, 67 West Thirty-sixth St.

Philadelphia, Pa.—*Race St.*, s s, bet. Tenth and Eleventh St., seven-sty brick, stone and terra-cotta chair-factory for the Heywood Chair Co.; owner, Wm. Weightman; contractors, Benj. Ketcham & Son, 1020 Brown St.; architect, Willis G. Hale, 1524 Chestnut St.

HOTELS.

Grand Rivers, Ky.—The building of hotel to cost abt. \$45,000 is contemplated.

Philadelphia, Pa.—*Arch St.*, s e cor. Eleventh St., hotel; owner, Oscar L. Wilson, 113 South Eleventh St., leasee.

Arch St., cor. Twelfth St., hotel; owner, Henry A. Hornick, Sansom St., cor. Thirteenth St.

Roonoke, Va.—*Mill Mountain*, George T. Pearson, architect, 427 Walnut St., Philadelphia, Pa., has prepared plans for a hotel, excursion-house, etc.

Williamsport, Pa.—*Fourth St.*, three-sty brick hotel; architect, Amos Wagner; builder, Jno. Moser.

HOUSES.

Bethlehem, Pa.—Three-sty Ohio River brick dwell., tile roof; owner, R. Rathbun; architect, Mr. Geo. T. Pearson, 427 Walnut St., Philadelphia.

Boston, Mass.—*Grew Ave.*, near Canterbury St., Ward 23, frame dwell., 22' x 30'; owner, Patrick Connelly.

Brandon St., near Dudley Ave., Ward 23, frame dwell., 22' x 35'; owner, W. G. Dunn; builder, M. A. Blanchard.

Centre St., rear No. 2, Ward 21, three-sty frame dwell., flat roof, 37' x 37'; owners and builders, A. A. Libby & Co.

Fuller St., near Dorchester Ave., Ward 21, two-sty frame dwell., hip roof, 40' x 41'; owner, C. E. Chamberlain; builders, R. D. Ward & Co.

Vinson St., near Park St. and near Geneva Ave., Ward 24, ten frame dwell., 22' x 24'; owner, A. L. Jewett; builders, Gould Bros.

Cabot St., near Linden Park St., Ward 19, 2 three-sty frame dwell. and a store, flat roofs, one 21.6' x 42' and one 21.6' x 45'; owner, Catherine Reddick; builder, W. J. Jobling.

Laven St., near Heath St., Ward 23, three-sty frame dwell., flat roof, 24' x 46.6'; owner, Denis Dorley; builder, J. H. Pineo.

Cushing Ave., near Hancock St., Ward 24, frame dwell., 26' x 52'; owner and builder, J. B. Christie.

Oak Square, near Champney, Ward 25, 2 three-sty frame dwell., flat roofs, 24' x 50'; owners, C. J. & T. Sullivan; builder, T. Sullivan.

Preble St., Nos. 89-91, Ward 15, 2 three-sty frame dwell., flat roofs, 22' x 39'; owner, D. A. Ring; builder, W. T. Eaton.

Harvard Ave., near Dalmatia St., Ward 20, 2 three-sty frame dwell., flat roofs, 23' x 42'; owner and builder, J. E. Mulvey.

Washington St., near Williams St., Ward 23, three-sty frame dwell., pitch roof, 24' x 38'; owner, John Downey; builder, T. J. Tobin.

Vine St., cor. Cross St., Ward 2, three-sty frame dwell., flat roof, 32.6' x 41'; owners and builders, F. H. Webb and H. H. Watson.

Bertram St., near Neponset Ave., Ward 24, frame dwell., 23' x 36'; owner and builder, W. O. Ruggles.

Vinson St., near Park St., Ward 24, two-sty frame dwell., gambrel roof, 24' x 40.6'; owner, A. L. Jewett.

Bellevue St., bet. Kane and Quincy Sts., Ward 24, frame dwell., 26' x 52'; owner, C. H. Delano; builders, Delano & Little.

Brooklyn, N. Y.—*Madison St.*, s s, 25' w Knickerbocker Ave., 3 two-sty frame dwell., tin roofs; cost, \$2,600 each; owner, architect and builder, A. Berckmeier, 101 Ralph St.

Woodbine St., s s, 25' w Knickerbocker Ave., 3 two-sty frame dwell., tin roofs; cost, \$2,600 each; owner, architect and builder, A. Berckmeier, 101 Ralph St.

Stagg St., No. 20, three-sty frame dwell., tin roof; cost, \$4,000; owner, George Effinger, on premises; architect, F. J. Berlenbach, Jr., 260 Graham Ave.

Logan St., e s, 90' n Sutter Ave., 7 two-sty frame dwell., tin roofs; cost, \$2,500 each; owner, R. Geary, 576 Madison St.; architect, Wm. Godfrey.

Sutter Ave., n s, 20' e Logan St., 8 two-sty frame dwell., tin roofs; cost, \$2,500 each; owner, R. Geary, 576 Madison St.; architect, Wm. Godfrey.

Logan St., e s, 170' n Belmont Ave., 3 two-sty frame dwell., tin roofs; cost, \$2,750 each; owner, R. Geary, 576 Madison St.; architect, Wm. Godfrey.

Osborn St., e s, 150' s Dumont Ave., three-sty frame dwell., tin roof; cost, \$5,000; owner and builder, Sam Tostevin, 1141 Lafayette Ave.; architects, D. Acker & Sons, 732 Broadway.

Butler St., s s, 400' w Franklin Ave., three-sty brick dwell., tin roof; cost, \$1,500; owner, Thomas Cunningham, 641 Washington Ave.; architect, M. F. Walsh, 371 Fulton St.

Newton St., n s, 80' w Graham Ave., four-sty frame dwell., gravel roof; cost, \$3,800; owner and builder, Thos. Davies, 183 Java St.; architect, Fr. Weber, 209 Manhattan Ave.

Nostrand Ave., Nos. 120-122, 2 four-sty brick dwell., tin roofs; total cost, \$14,000; owner, Ferdinand Mangold, Harrytown, N. Y.; architect, Chas. Gessner, 62 Throop Ave.

Hemlock St., e s, 100' s Fulton St., three-sty frame dwell., tin roof; cost, \$3,200; owner, A. O. Graner, Hemlock St.

Cambridge, Mass.—*Orchard St.*, frame dwell., 34' x 50'; owner, Miss E. L. Forbes; contract to be let; architect, J. F. Eaton, Boston.

Oxford St., cor. Wendell St., double frame dwell., 49' x 49'; old colonial style; contract to be let; architect, G. Leslie Nichols, Boston.

Camden, N. J.—*Erie Ave.*, s e cor. Front St., 2 two-sty brick dwell.; builder, James W. Draper, 536 Vine St.

Eighth St., w s, bet. Ferry Ave. and Linden St., 7 two-sty brick dwell.; builders, D. Leonard Moore & Co.

Chestnut Hill, Pa.—Dwell. and stable for Mitchell Harrison; contractors, Geo. F. Payne & Co.; architects, Messrs. Cope and Stewardson, 324-326 Walnut St., Philadelphia, Pa.

Chicago, Ill.—J. C. Brompton, two-sty dwell., Sunnyside and Wright Aves.; cost, \$4,500.

E. E. Smith, two-sty dwell., 158 Fifty-seventh St.; cost, \$10,000.

Stark & Timmerman, two-sty dwell., 7710 Emerald Ave.; cost, \$1,000.

F. L. Baldwin, 3 two-sty dwell., 901-905 Evanson Ave.; cost, \$15,500.

Mrs. Jennie Kilgore, two-sty dwell., 43 North Leavitt St.; cost, \$5,000.

American Express Employes' Investment Association, 3 two-sty dwell., 6106-6108 South Park Ave.; cost, \$15,000.

J. W. Carroll, six cottages, 3233-3251 Leavitt St.; cost, \$3,000.

Tolman & Londerius, 5 three-sty dwell., 3910-3918 Calumet Ave.; cost, \$30,000.

Dr. Allen, three-sty dwell., 5142 Washington Ave.; cost, \$12,000.

A. H. Hill & Co., two-sty dwell., Jefferson Ave.; cost, \$3,000.

Philadelphia, Pa.—*Springfield Ave. and Sixtieth St.*, 12 dwell. for Mr. Dwight; architect, P. A. Welsh, 429 Walnut St.

Cumberland St., n s, e Salmon St., three-sty brick dwell.; owner, John Fenerty, cor. Salmon and Cumberland Sts.

Eagleside St., n s, bet. Fortieth and Forty-first Sts., three-sty brick dwell.; contractor, Harry Weekley, 1047 Belmont Ave.

Pittsburgh, Pa.—*Ingram St.*, frame dwell.; cost, about \$5,000; owner, H. H. Doughty; architects, Biddle & Keane, 527 Standard Building.

Dwell., to cost about \$4,000, will be built for H. H. Allison; architects, Biddle & Keane, 527 Standard Building.

Royersford, Pa.—*Lathaw Bros.* will build 10 dwell. on the Boulevard.

I. S. Pennypacker will build several brick dwell. Dwell. will be built for Yeltes C. Freed.

Somerville, Mass.—*Gilman St.*, frame dwell., 21' x 37'; owner and builder, H. A. Clarry.

Hudson St., cor. Lowell St., frame dwell., 23' x 32'; owner and builder, W. A. Young.

Lowell St., near Summer St., frame dwell., 26' x 40'; owner, S. S. Higgins; builder, A. A. Smith.

Tioga, Pa.—*Westmoreland and Sixteenth Sts.*, W. R. Brown, 3229 North Seventeenth St., Philadelphia, Pa., will build a number of dwell.

Atlantic Ave. and Seventeenth St., a number of dwell. will be built by W. R. Brown, Philadelphia, Pa.

West Chester, Pa.—*East Market St.*, three-sty brick dwell.; owner, Thomas Davis.

Worcester, Mass.—*Perry Ave.*, three-sty frame dwell.; owner, J. S. Perry; contractor, Wm. O. Burns.

Mount Ave., one-and-one-half-sty frame dwell.; owner, Mrs. Margaret Lamb; contractors, Nilson & Silven.

Maxwell St., one-sty frame dwell.; owner, Mrs. J. Murray.

Plum St., three-sty frame dwell.; owner, Thoma Kennedy; contractor, J. A. Kennedy.

Vernon St., three-sty frame dwell.; owner, M. J. Toomey; contractor, T. Doon; architects, Barker & Nourse.

OFFICE-BUILDINGS.

Chicago, Ill.—Young Men's Christian Association, twelve-sty office-building, 153-155 La Salle St.; cost, \$700,000.

PUBLIC-BUILDINGS.

Baltimore, Md.—Resolution appropriating \$80,000 for the building of an armory for the Fourth Battalion, Maryland National Guard, has been introduced in the City Council.

Dawson, Ga.—\$36,000 of bonds will be issued by Terrell County to build a court-house.

Haskell, Texas.—Contract has been awarded for the building of Haskell County court-house; cost, \$45,000.

New York, N. Y.—*West Twenty-ninth St.*, Nos. 33-35, one-and-one-half-sty brick building, peak tin roof; cost, \$25,000; owner of building George J. Kraus, 30 East Second St.; owner of grounds, John J. White, Litchfield, Conn.; architects, Kurtzer & Rohl, cor. Third Ave. and Seventh St.

West St., s s, Franklin St., two-sty iron ferry-house, peak tin roof; cost, \$50,000; owner, West Shore Railroad, 5 Vanderbilt Ave.; architect, Walter Katter, Grand Central Depot.

RAILROAD BUILDINGS.

Brooklyn, N. Y.—*Flatbush Ave.*, n s, 209' e Hanson Pl., one-sty brick railroad depot, tin and slate roof; cost, \$40,000; owner, Long Island Railroad Co., Long Island City; architect, C. M. Jacobs, 192 Broadway, New York City.

SCHOOL-HOUSES.

Conway, Ark.—\$30,000 will be expended in the buildings for the Baptist Female College.

Grand Rapids, Mich.—*Ransom St.*, cor. Lyon St., four-sty red brick and cut stone Central High School, slate roof; cost, \$70,000; owner, City of Grand Rapids; builders, Hauser, Hayen & Co.; architect, W. G. Robinson.

Newton, Pa.—A large public school-house will be built at this place.

Perkasie, Pa.—*Sellersville Ave.*, cor. Mill St., public school-house.

Philadelphia, Pa.—*Ontario St.*, n w cor. Frankford Ave., three-sty red Hummelstown stone school-house, slate roof; contractor, J. B. Jordan; architect, — Austin.

Spring Garden St., cor. Thirteenth St., four-sty normal school-house.

STABLES.

Boston, Mass.—*Robinson St.*, rear, near Grace Ave., Ward 23, frame stable, 22' x 35'; owner, B. D. McDonald; builder, D. Campbell.

Camden, N. J.—*Central Ave.*, No. 666, one-sty frame stable; owner, Robert J. Tweedy, 666 Central Ave.

Spruce St., No. 516, frame stable will be built by John North.

Philadelphia, Pa.—*Birch St.*, No. 2552, one-sty stable; builder, John Rhoads, Weikel St., n Venango St.

Market St., n s, bet. Fifty-second and Fifty-third Sts., two-sty stable; owners, W. A. Arthur & Bro., 5700 Market St.

Tinicum Ave., e s, Eighty-ninth St., two-sty stable; owner, H. G. Girth, Tinicum Ave., cor. Eighty-ninth St.

Torresdale St., e State Road, one-sty stable; builder, Thos. O. Enoch, Fairview Ave., Holmesburg, Pa.

STORES.

Bethlehem, Pa.—*Market St.*, cor. Main St., 2 three-sty brick and stone stores, Romanesque style; owner, Captain Wiley; architect, A. W. Leh, Esq., 214 Second St., South Bethlehem, Pa.

Brooklyn, N. Y.—*Washington Ave.*, Nos. 62-70, one-sty brick store, gravel roof; cost, \$10,000; owners, Von Glahn Bros., Washington and Park Aves.; architect, J. G. Glover, 186 Remsen St.

Forty-sixth St., s w cor. Third Ave., four-sty brick store and flats, tin roof; cost, \$8,000; owner, Catharine Michel, 437 East Fifty-eighth St., New York City; architect, J. G. Michel, 437 East Fifty-eighth St., New York City.

Adelphi St., No. 490, four-sty brick store and dwell., tin roof; cost, \$6,000; owner, Vincent D. Clement, 459 Adelphi St.

Camden, N. J.—*Knighn Ave.*, No. 223, three-sty store, for Thos. Witherspoon.

New York, N. Y.—*Greenwich St.*, No. 347, six-sty brick store, tin roof; cost, \$20,000; owner, Joseph Bacharach, 156 West One Hundred and Twenty-first St.; architect, John C. Burne, 1531 Third Ave.

South Bethlehem, Pa.—Two two-sty brick stores; owner, Mr. M. Conolly; architect, A. M. Leh, 214 Second St.

St. Louis, Mo.—Two-sty brick store; cost, \$5,000; owners, Vogel & Carlin; contractor, C. Linnenkohl.

West Bethlehem, Pa.—Three-sty brick and stone shoe store; architect, A. W. Leh, Esq., 214 Second St.

TENEMENT-HOUSES.

Brooklyn, N. Y.—*Diamond St.*, e s, 50' s Nassau Ave., 2 three-sty frame tenements, gravel roofs; cost, \$4,000 each; owners, Connell & Quinlan, 181 India St.; architect, P. Tillion, 202 Manhattan Ave.

THEATRES.

Boston, Mass.—*Mason St.*, No. 60, and *Washington St.*, Ward 19, four-sty brick theatre, pitch roof, 89' x 162.10'; owner, Joseph Morton Estate.

Erie, Pa.—*North Park Row*, opera-house; cost, bet. \$75,000 and 100,000; owner, Hon. Chas. M. Reed; architects, Green & Wicks, Buffalo, Pa.

WAREHOUSES.

Chicago, Ill.—E. G. Rutz, five-sty warehouse, 50-52 North Canal St.; cost, \$10,000.

St. Louis, Mo.—Eight-sty brick warehouse; cost, \$46,500; owner, L. C. Nelson; contractor, C. E. Clarke.

MISCELLANEOUS.

Brooklyn, N. Y.—*Eastern Parkway*, s e cor. Watkins St., two-sty frame casino and store, tin roof; cost, \$6,000; owner, Ada Farmer, Watkins St.

Sanitary Appliances.

THE J. L. MOTT IRON WORKS.

84 to 90 Beekman Street, NEW YORK,

311-313 Wabash Avenue, CHICAGO.



PLATE 987-G. Copyright, 1891, by THE J. L. MOTT IRON WORKS.

THE "VICTORIAN" PORCELAIN-LINED ROLL-RIM BATH,

With Supply Fittings, Pipes to Floor, and Patent "Unique" Waste. The Bath as shown is decorated outside Ivory with Gold Lines; It can also be decorated with Pond Lilies, or any other design to order.

BUILDING INTELLIGENCE.

New York, N. Y. — *Hester St., Nos. 9-11*, four-st'y brick workshop, tin roof; cost, \$8,000; owner, Isaac Goodstein, 121 East Seventy-fourth St.; architect, H. Horenberger, 99 East Third St.

Philadelphia, Pa. — *Spring Garden St., n e cor. Thirteenth St.*, four-st'y club-house; cost, bet. \$40,000 and \$50,000; owner, Caledonian Club; architect, John Ord, City Hall.

At the annual meeting of the Master Carpenters and Builders Co. in January, the following officers were elected to serve for the ensuing year. President, Stacy Reeves; First Vice-President, Benjamin Ketcham; Second Vice-President, Ruse J. Whitesides; Secretary, Chas. G. Wetter; and Treasurer, Thomas H. Marshall.

The following directors were elected for three years at a meeting of the Builders Exchange held on January 26: Franklin M. Harris, John Kisterbock, Chas. P. Bancroft, A. H. Barber, John P. Eyanson, Murrell Dobbins, Wm. B. Irvine; Peter Gray was elected to serve for two years; all the superintendents will be retained.

St. Louis, Mo. — *One-st'y brick storage*; cost, \$4,000; owner, American Brewery Co.; contract, sub let.

PROPOSALS.

GAS AND ELECTRIC-LIGHT FIXTURES.
[At Omaha, Neb.]

Sealed bids will be received at the office of the City Comptroller, Omaha, Neb., up to 12 M., March 1, 1892, for combination gas and electric-light fixtures in accordance with the specifications on file at the office of C. F. Beindorf, Architect, 607 Bee Building. Bids to be accompanied with the sketches as therein specified.

All bids must be accompanied by a certified check to the amount of \$1,000, which will be forfeited to the city in case the bidder should be awarded the contract, and fail to furnish a bond, acceptable to the mayor and city council, in the sum of twice the amount of contract price, such bond to be signed by residents of this county.

The Council reserves the right to accept or reject any or all bids as in their judgment will best serve the interests of the city.

Bids to be addressed "Bid on Gas and Electric-Light Fixtures for Omaha City Hall."

844

THEO. OLSEN, Comptroller.

Proposals for Roofing-Copper. Office of Building for Library of Congress, 145 East Capitol Street, Washington, D. C., February 25, 1892. Sealed proposals for furnishing and delivering the tinned sheet-copper and galvanized sheet-iron ribs required for the three book-stack roofs and portico flashings of the Building for Library of Congress, in this city, will be received at this office until 2 o'clock P. M. on Monday, the 14th day of March, 1892, and opened immediately thereafter in presence of bidders. Specifications, general instructions and conditions and

PROPOSALS.

blank forms of proposal may be obtained on application at this office. BERNARD R. GREEN, Superintendent and Engineer. 845

February 19, 1892. Sealed proposals will be received at the office of the Supervising Architect, Treasury Department, Washington, D. C., until 2 o'clock P. M. on the 23d day of March, 1892, and opened immediately thereafter, for all the labor and materials required for the erection and completion (except general excavation and heating apparatus) of the United States Post-office building at Beatrice, Neb., in accordance with drawings and specification, copies of which may be had on application at this office or the office of the Superintendent at Beatrice, Neb. Each proposal 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. 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 Erection and Completion (except General Excavation and Heating Apparatus) of United States Post-office building at Beatrice, Neb.," and addressed to W. J. EDBROOKE, Supervising Architect. 845

Proposals for Terra-cotta Roof and Floor Tiles. Office of Building for Library of Congress, 145 East Capitol Street, Washington, D. C., February 18, 1892. Sealed proposals for furnishing and delivering hollow terra-cotta roof and floor tiles for the Building for Library of Congress, in this city, will be received until 2 o'clock P. M. on Saturday, the 5th day of March, 1892, and opened immediately thereafter in presence of bidders. Specifications, general instructions and conditions and blank forms of proposal may be had on application to this office. BERNARD R. GREEN, Superintendent and Engineer. 844

February 17, 1892. Sealed proposals will be received at the office of the Supervising Architect, Treasury Department, Washington, D. C., until 2 o'clock P. M. on the 16th day of March, 1892, and opened immediately thereafter, for all the labor and materials required, and fixing in place complete, the low-pressure, return-circulation, steam-heating and ventilating apparatus for the United States Court-house and Post-office at Asheville, N. C., in accordance with the drawings and specification, copies of which may be had on application at this office or the office of the Custodian at Asheville, N. C. Bids will also be considered for any other system of heating and ventilating in lieu of the above, and parties proposing to supply such must submit with their proposal plans and full specification for same. 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 defects or informality in any bid. 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 Low-pressure, Return-circulation, Steam-heating and Ven-

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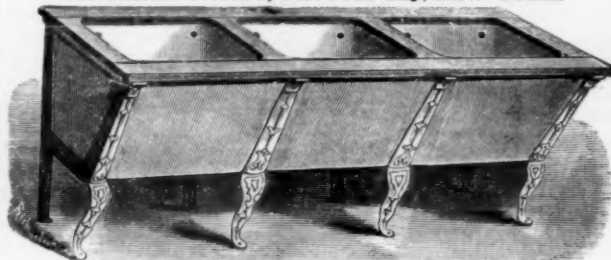
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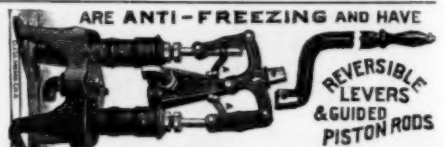
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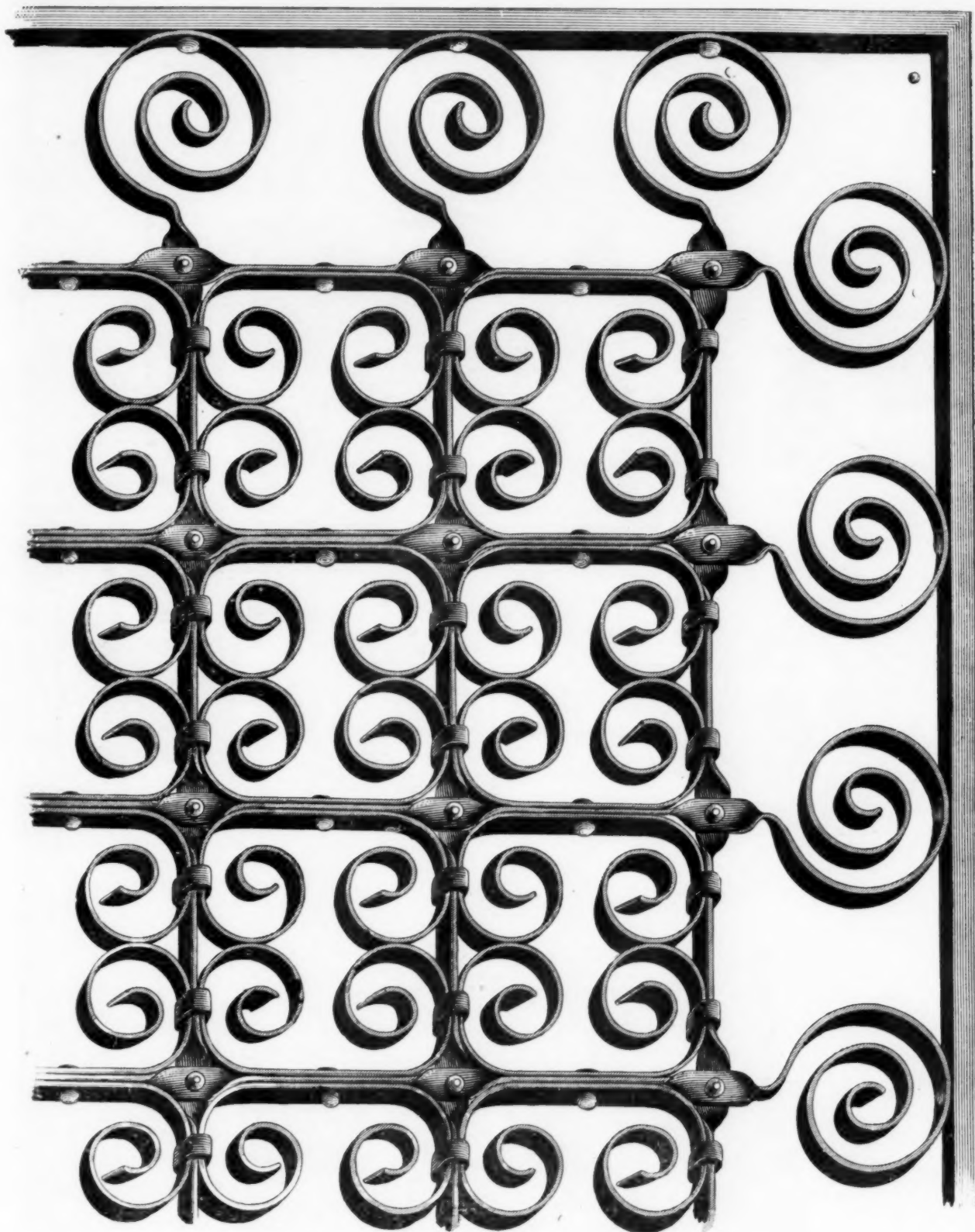
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(Continued on page xxv)



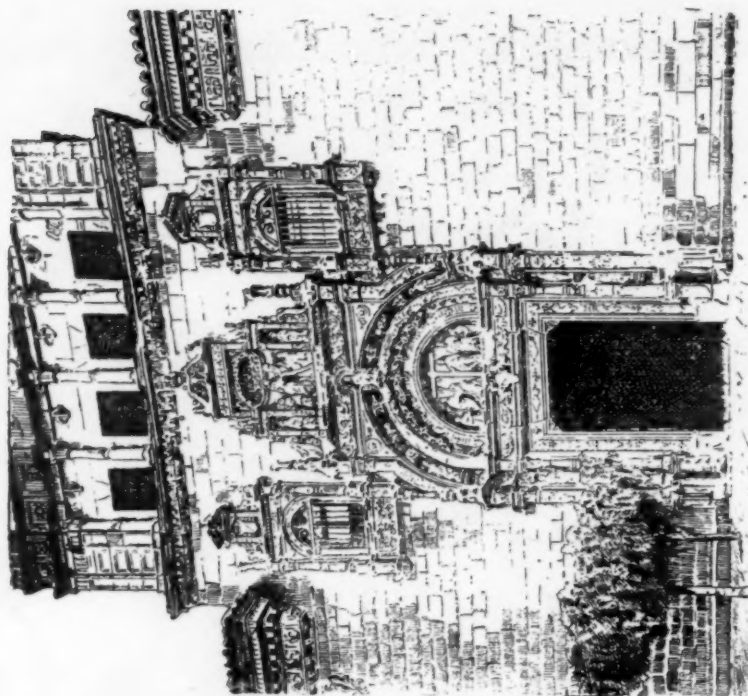
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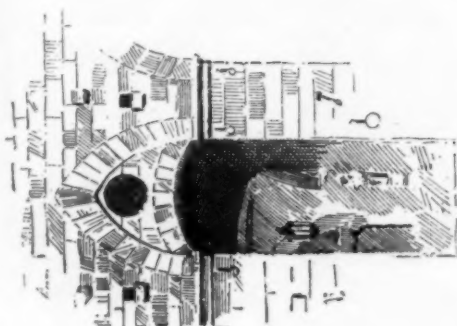
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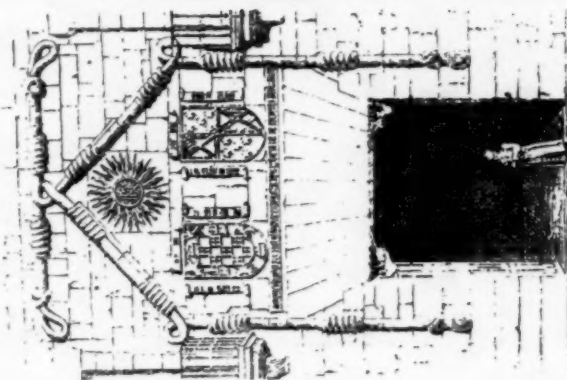
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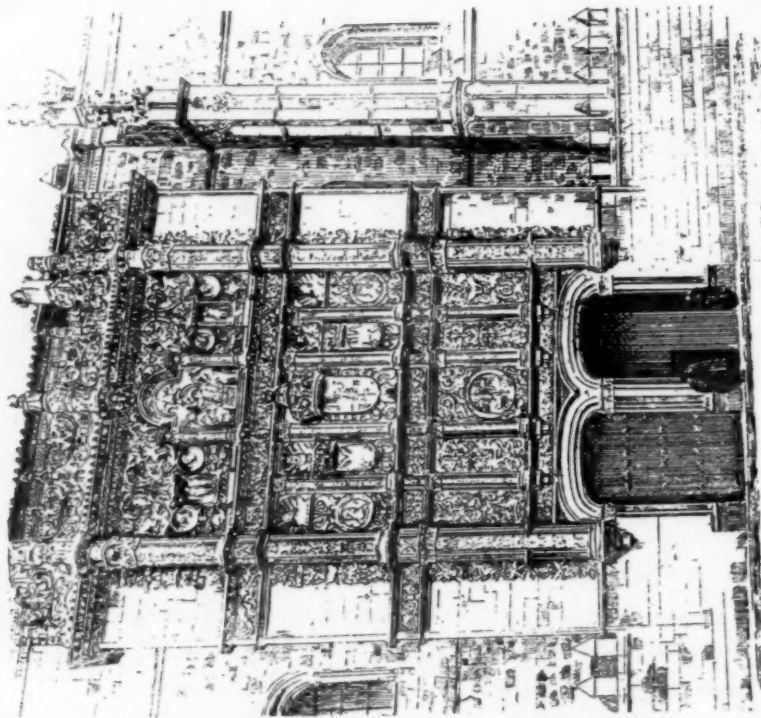
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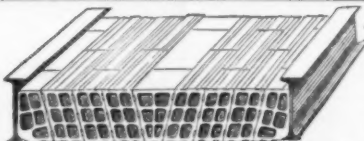
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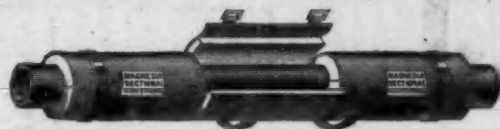
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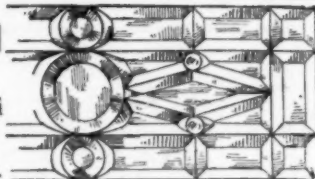
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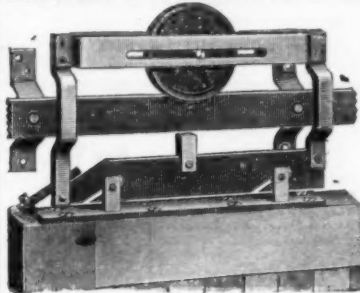
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Block	@	4 60 P perch.	@	Conshocken
Rubble	@	1 25 @ 1 50	8 50 @	1 45 @ 2 50
Bluestone: P sq. ft.	30 @ 5 00	40 @ 1 75	75 @ 1 00	1 in. th. 10 @ 25
Sidewalk	50 @ 6 00	@ 75	50 @ 1 00	37 @ 50
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Sandstone:				
Longmeadow	@ 80	80 @ 90	@	@ 95 @ 1 16
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Berea Ohio	75 @ 1 00	85 @ 90	45 @ 55	@ 1 00 @ 1 00
Berlin	75 @ 1 00	80 @ 90	55 @ 65	@ 1 00 @ 1 00
Belleville	80 @ 1 25	1 25 @ 1 35	@ 1 25	@ 1 00 @ 1 00
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Caen	@	@ 2 00	@	@ 1 25 @ 1 00
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"Sienna	@	@	Not Sold.	@ 5 00
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"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
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"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
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"Chapmans	@	@	7 30 @ 8 00	00 @ 4 65
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"zinc	5 @ 8 1/2	5 @ 8 1/2	7 @ 10 1/2	@ 7
Red lead, Am.	6 1/2 @ 7	7 @ 7 1/2	6 1/2 @ 7	@ 7 1/2
"Venetian	6 @ 10 1/2	7 @ 12 1/2	11 @ 12 1/2	dry Eng. @ 7
"Vermillion	65 @ 70	70 @ 75 dry	65 @ 65	Eng. 6 1/2 @ 7
"Indian, Eng.	12 @ 20	12 @ 20	12 @ 20	dry Am. @ 11
Yellow Ochre	6 @ 15	7 @ 12	3 @ 15	@ 18
"Chrome	12 @ 20	18 @ 25	15 @ 25	@ 21
Green (chrome)	8 @ 13	8 @ 20	8 @ 20	" 15 @ 20
Green, Paris	25 @ 40	25 @ 40	18 @ 35	@ 12
Black, lamp	15 @ 25	15 @ 25	8 @ 30	@ 34
Blue, ultramarine	12 @ 18	18 @ 30	12 @ 35	@ 60
Oil, linseed, (raw)	55 @ 62	37 @ 38	57 @ 60	@ 63
"boiled	58 @ 65	40 @ 41	60 @ 65	@ 44
Turpentine	36 @ 37	@ 48	51 @ 51	125 @ 300
Varnish, coach	@	1 50 @ 6 00	1 25 @ 2 00	150 @ 3 00
Shellac	@	2 50 @ 3 00	2 25 @ 4 00	2 @ 2 1/2
Putty	2 @	2 @ 4	2 @ 2 1/2	1 @ 1
Whiting	75 @ 1 00	1 @ 1 1/2	1 @ 1 1/2	1 @ 1
Paris white, (Eng.)	1 30 @ 2 00	2 @ 3	1 1/2 @ 2	1 1/2 @ 7 1/2
Litharge, Am.	5 1/2 @ 6	7 @ 7 1/2	6 1/2 @ 7	4 @ 14
Sienna (burnt)	14 @ 20	14 @ 20	4 @ 16	2 @ 13
Umber	14 @ 20	14 @ 20	4 @ 10	
HARDWARE				
Nails: (Per Cask.) Spikes, (wrought.)	@ 2 85	@	2 75 @ 3 00	per keg @ 2 25
10d. common	@ 2 60	@ 2 10	@ 2 35	@ 2 30
Shingle	@ 3 35	@ 2 20	@ 2 75	@ 2 60
Lath	@ 4 85	@ 3 10	@ 3 65	3 00 @ 4 75
(Finishing nails according to size.)	@	@	Add .85 to \$1.15	per lb. 4 @ 6
(For casing nails add 75 c. per keg.)	@	@	".50 to .90	Add per cask
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Brass	1 00 @ 2 50	@	13 @ 16	@ 6 1/2
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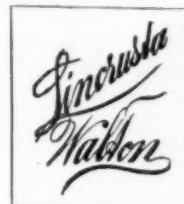
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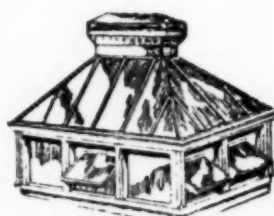
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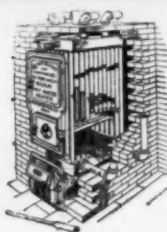
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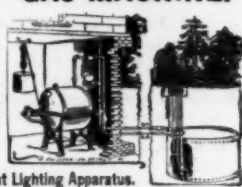
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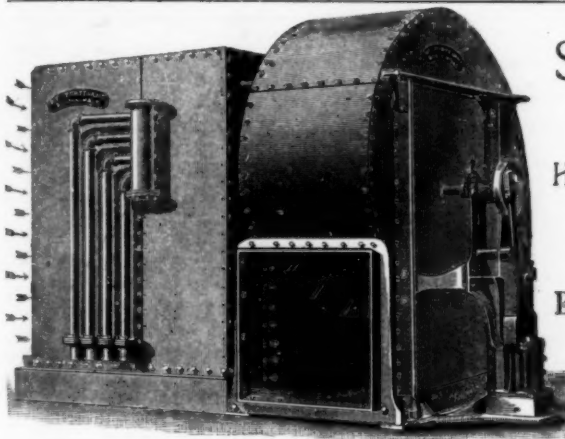
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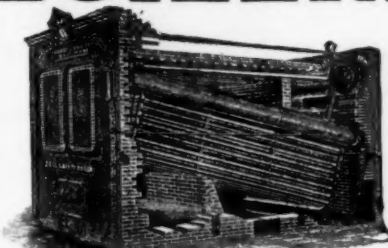
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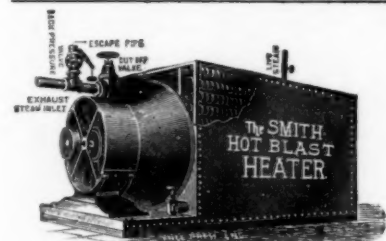
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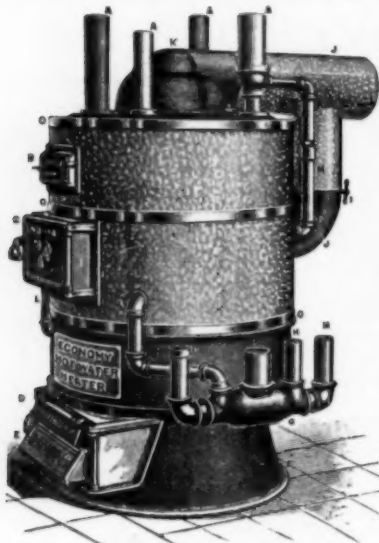
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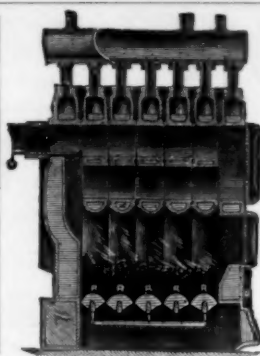
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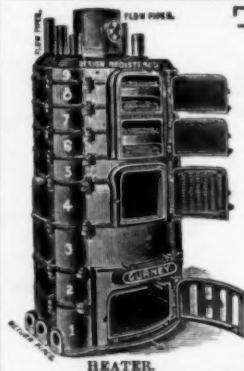


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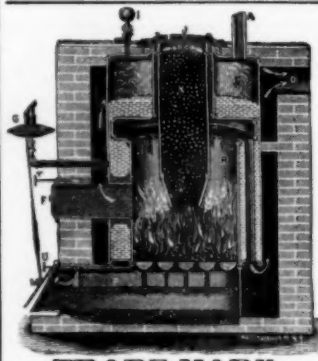
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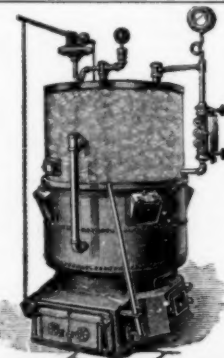
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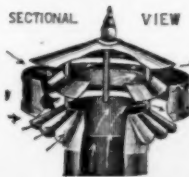
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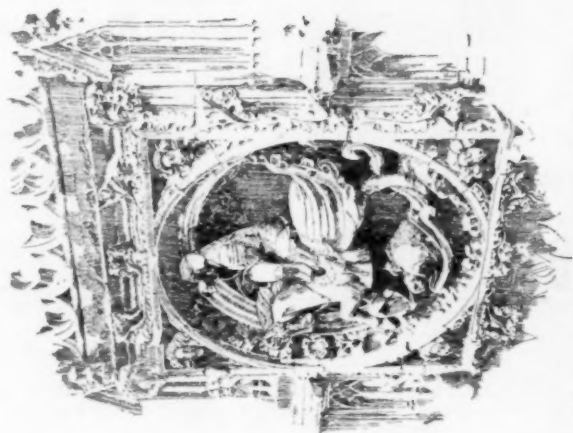
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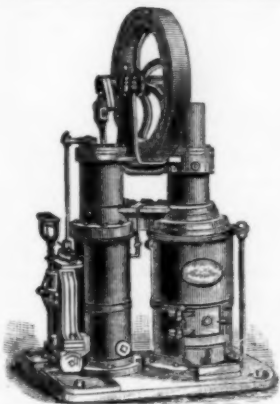
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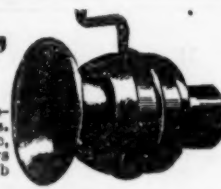
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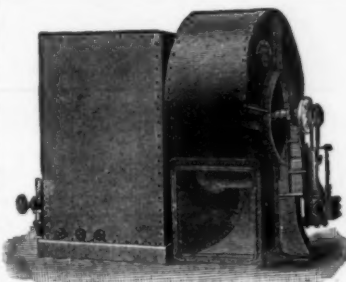
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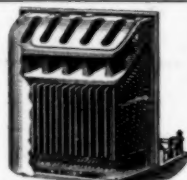
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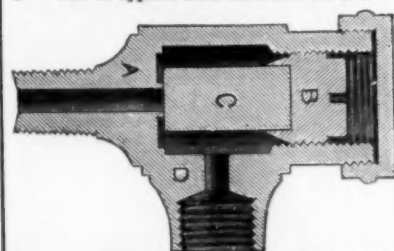
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If you and we had been ready, all together, we might perhaps have begun at the beginning, gone through and got to the end of it long ago.

That would have been a more orderly school; but we couldn't; you wouldn't; and here we are. We have fallen into the way of the "business colleges." You enter (begin to read) when you like; you take vacations (skip) when you like; and graduate (stop) when you think you have got about as far along as the school appears to be going.

We do not flatter ourselves that any particular week is quite satisfactory; but we are greatly encouraged by what has been gained in the whole three years.

We never know when you begin; but, when you begin to get on, we know; and we have not heard of a single graduate.

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No. 6.

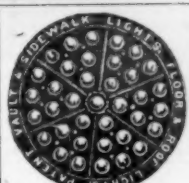
The Clinch

The paint must be tied to the wood. It needs a clinch, as plaster needs a key to hold it to the lath. That clinch is the priming coat. What shall we make it of? The wood is absorbent, don't forget that. If we use white lead and oil in the ordinary consistency, the wood will draw out the oil, and leave a mere powder on the surface. Moral—use plenty of oil in the priming coat. White lead is a good primer. Pure French ochre is better. It has a peculiar property of holding fast to the wood. "Town and Country" Primer and Filler is pure French ochre. It is a good clinch.

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The American Architect and Building News

IS PUBLISHED EVERY SATURDAY BY

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211 TREMONT ST., BOSTON, MASS.

For the American Architect and Building News Co.

Advance Subscription Rates.

Regular Edition, \$6.00 per year; six months, \$3.50.
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New Advertisements.

THE KINNEAR & GAGER CO. (Columbus, O.), Steel Ceiling. Page xx.
LINK BELT ENGINEERING CO. (Philadelphia, Pa.), Link Belting. Page ii.
POTSDAM RED SANDSTONE CO. (Potsdam, N. Y.), Building Stone. Page xvii.
AEROMOTOR CO. (Chicago, Ill.), Windmill. Page 3, Supplement.

PERSPECTIVE DRAWING.

The American Architect Drawing-Office will undertake the preparation of perspective drawings in line or color from scale drawings, or will render drawings already in outline. Address the editors.

WANTED.

POSITION.—Advertiser, engaged, seeks re-engagement with architect or leading builder; draughtsman, specification clerk or superintendent; experienced; good references; moderate salary. Address "Practical," American Architect. 845

WANTED.

POSITION.—Wanted, position by A1 draughtsman and designer; capable of taking care of architect's office. Address "B," 646 North Tenth Street, Philadelphia, Pa. 845

WANTED.

DRAUGHTSMAN.—Wanted, a thoroughly competent and reliable draughtsman in a large office. Call or write to S. R. Audsley, Foreman, Draughting Department, Perth Amboy Terra-Cotta Co., Perth Amboy, N. J. 845

WANTED.

DESIGNER.—Ornamental designer wanted for architectural iron-work; applicant must have had thorough practical experience. Address "Permanent," care American Architect. 847

WANTED.

POSITION.—Young man desires position in architect's office; well-educated; is a good copyist; had some training; will give time. Address "F," Box 5197, Post-office. 845

WANTED.

POSITION.—Wanted, position as draughtsman, good at construction and figuring strength of materials, etc., or superintendent on outside work. Address "R. W.," care of American Architect. t.f.

WANTED.

POSITION.—Wanted, position or partnership by an architect, draughtsman and superintendent; salary and part profits; New York only; references exchanged. Address "K.," care American Architect. 845

TO ARCHITECTS.

FRANCIS H. CRUESS, architectural artist, is prepared to receive from architects their designs to render in pen-and-ink, monochrome or water-colors. Address 206 North Second Street, Harrisburg, Pa. t.f.

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Home Study in Architecture. For Particulars, address **C. POWELL KARR, Architect.**

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.]

469,224. HATCHWAY-DOOR MECHANISM.—William Bardsley, Kearney, N. J., and Warren K. Crofford, New York, N. Y.
469,233. TRANSOM-LIFTER.—Gilbert J. Dickson, Albany, N. Y.
469,266. ELECTRICAL BURGLAR-ALARM FOR WINDOWS.—Friend C. Page, Creston, Iowa.
469,268. DRYING-KILN.—James S. Parmenter, Woodstock, Canada.
469,313. SASH-FASTENER.—John W. Wright, New York, N. Y.
469,316. SASH-HOLDER.—Philip R. Miller and Peleg Barker, Kearney, Neb.
469,317. HATCHWAY-DOOR-OPERATING DEVICE.—John J. McBride, Ridgefield Park, N. J.
469,333. LOCK-HINGE.—Alfred A. Oat, Sr., Philadelphia, Pa.
469,361. ELECTRIC ELEVATOR.—Robert Watson, Brooklyn, N. Y.
469,365. BURGLAR-ALARM.—Levi Pentz, Canton, Ohio.
469,368. ELEVATOR.—Arthur W. D. Bell and John Welsby, Wellington, New Zealand.
469,430. PENDULUM LEVEL AND PLUMB.—John Winkelmann, Milwaukee, Wis.
469,446. SHUTTER-FASTENER.—John Handwerker, Marlborough, Mass.
469,451. SPIRIT-LEVEL.—William Praddex, Lawrence, Mass.
469,463. WINDOW.—Elias B. Brundage, Brewster, N. Y.

Imports of Building Materials, Etc.,

AT THE PORT OF NEW YORK FOR THE WEEK ENDING FEBRUARY 26, 1892.

From Antwerp.—Steamer "Conemaugh," 100 barrels cement, E. Thiele; 500 do., Bank of British North America; 1,000 do., order. Steamer "Westerland," 17 cases marble, Merchants' Despatch Co.; 2 cases polished marble, John Matthews; 500 barrels cement, 1,104 do., order.

From Bremen.—Ship "Colchester," 4,000 cakes asphaltum, E. Thiele. Ship "Anna," 4,000 cakes asphaltum, E. Thiele; 3,500 do., Chas. W. Saake. Steamer "Active," 5,250 cakes asphaltum, C. W. Saake; 4,200 do., E. Thiele.

From Copenhagen.—Steamer "Thingvalla," 3 barrels cement, order.

From Genoa.—Steamer "Werra," 8 cases marble, Victor A. Fuergua; 20 barrels cement in powder, Oelrichs & Co.; 100 cases marble bricks, 3 small blocks of marble, 92 slabs do., James E. Ward & Co.; 8 barrels cement, 206 bags marble, order.

From Glasgow.—Steamer "Norwegian," 203 cases granite, Austin, Baldwin & Co.; 21 barrels enamelled bricks, Charles R. Weeks & Bros.; 50 do. Roman cement, Howard Fleming.

From Hamburg.—Ship "Theodore Fischer," 2,560 barrels cement, order. Steamer "Sorrento," 560 casks cement, E. Thiele.

From Hull.—Steamer "Buffalo," 301 tons cliff-stone, Sanderson & Son. Steamer "Francisco," 365 tons cliff-stone, Sanderson & Son.

From Leghorn.—Steamer "Elysia," 4 cases sculpture, etc., J. W. Hampton, Jr., & Co.; 14 blocks marble, G. Amsinek & Co.; 23 do., Taber & Co.; 20 do., order.

From Liverpool.—Steamer "Wyoming," 193 casks bricks, Howard Fleming; 179 do., Meeker & Carter. Steamer "Holland," 17 logs rosewood, 12 do. mahogany, order. Steamer "Tauric," 21 blocks stone, C. F. Woodward. Steamer "St. Enoch," 19,000 fire-bricks, order.

From London.—Steamer "Michigan," 500 casks cement, Hammill & Gillispie; 500 do., 102 do., order. Steamer "Egyptian Monarch," 500 casks cement, E. Thiele. Steamer "America," 500 casks cement, 1 case do., order.

From Marseilles.—Steamer "Britannic," 1 block marble, order.

From Monte Christi.—Steamer "Saginaw," 24 logs mahogany, 150 do. satinwood, Jiminez, Haustedt & Co.

From Naples.—Steamer "Elysia," 2 cases marble, J. W. Hampton, Jr., & Co.

From Port Spain.—Brig "Bessie E. Crane," 235 tons asphalt, Middleton & Co.

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Bridgeport Wood Finishing Co.
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G. W. Grove & Co.
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J. J. Schilling.
Stebbins Mfg. Co.
N. & G. Taylor Co.
Thorn Shingle and Ornament Co.
Webb Pavement Co.
Wood Mosaic Co.

The following advertisements are omitted in this issue in favor of the Classified Index.

Blake Bell Co.
L. Haberstroh & Son.
Huyet & Smith Mfg. Co.
Hydraulic-Press Brick Co.
J. Miller & Bro.
New Jersey Wire Cloth Co.
N. Y. Architectural Terra-Cotta Co.
Oakley & Keating.
Passaic Rolling Mill Co.
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W. Willer.
J. Williams.
E. H. Wootton.

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.

Bourne, Mass.—Addition, 30' x 35', to dwell, for John Parkinson; builder, M. C. Waterhouse; architects, Longfellow, Alden & Harlow, Boston.

Camden, N. J.—North Third St., No. 29, alteration of dwell. into store; builder, John Corbitt, 915 South Fifth St.

Chicago, Ill.—Swan Nelson, one-st'y addition, 1438 Noble St.; cost, \$3,000.

M. Koch, one-st'y addition, 140-142 Thirty-fifth St.; cost, \$10,000.

Webster Manufacturing Co., one-st'y addition, Fifteenth St. and Western Ave.; cost, \$3,000.

Horace O'Donoghue, four-st'y addition, 192 Jefferson St.; cost, \$12,000.

Lancaster, Mass.—Alterations to interior of dwell, for Nathaniel Thayer; builders, A. Estey and A. H. Davenport; architects, Longfellow, Alden & Harlow, Boston.

APARTMENT-HOUSES.

Boston, Mass.—Boylston St., No. 903, Ward 11, six-st'y brick apartments, flat roof, 68' x 70'; owner, E. B. Horn; builder, D. L. Rand.

Boylston St., near Gloucester St., Ward 11, 4 four-st'y brick apartments, flat roofs, 28' x 88'; owner and builder, Albion Knowlton.

Brooklyn, N. Y.—Bleecker St., n. s. 343' 9" e Evergreen Ave., 2 three-st'y frame double flats, tin roofs; cost, \$5,500 each; owner and builder, John Kreuder, 294 Willoughby Ave.; architect, Th. Engelhardt, 905 Broadway.

Dikeman St., n. s. 130' w Van Brunt St., three-st'y frame flat, tin roof; cost, \$3,000; owner, Thos. F. Lewis, on premises; architect, Robert Dixou, 219 Montague St.

Chicago, Ill.—C. A. Standish, five-st'y flats, 5136 State St.; cost, \$13,000.

John Eberhau, 4 two-st'y flats, 2618-2624 Sixty-third St.; cost, \$5,000.

(Continued on page xv.)

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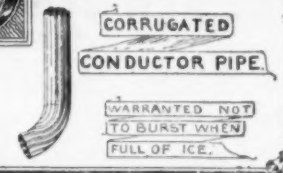
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101 East 17th Street, New York.
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BUILDING INTELLIGENCE.

Augusta George, two-st'y flats, 205 Sheffield Ave.; cost, \$3,500.
Valentine Gramer, 2 four-st'y flats, 381-383 West Twelfth St.; cost, \$9,000.
John Peterson, three-st'y flats, 272 Dayton St.; cost, \$6,000.
George H. Brady, three-st'y flats, 270 Albany Ave.; cost, \$4,000.
Moritz Silfank, three-st'y flats, 522 Paulina St.; cost, \$5,000.
M. Fitzgerald, 2 three-st'y flats, 2806 Union Ave.; cost, \$3,000.
S. Wedelle, two-st'y flats, 4018-4020 Ellis Ave.; cost, \$5,000.
Sarah J. Hyde, two-st'y flats, 482 Forty-second St.; cost, \$12,000.
F. E. O'Brien, three-st'y flats, 4429 Peoria Ave.; cost, \$5,000.
Frank Fitzgerald, three-st'y flats, 732 Elk Grove Ave.; cost, \$3,000.
G. Reipinger, three-st'y flats, 10 Chestnut Pl.; cost, \$4,500.

CHURCHES.

Bridgeport, Pa.—A Baptist church will be built.
Frankford, Pa.—Central Methodist-Episcopal Church, stone church, slate roof; Romanesque style; architects, Hazlehurst & Huckel, Drexel Building, Philadelphia, Pa.
Nashville, Tenn.—Memorial chapel, to cost \$28,000, is to be built at the Fisk University.
Philadelphia, Pa.—Tioga St., cor. Sixth St., Roman Catholic church for St. Veronica's parish; architect, J. F. Brennan.

BUILDING INTELLIGENCE.

FACTORIES.

Chicago, Ill.—J. A. Shepard, four-st'y factory, 1545 Michigan Ave.; cost, \$20,000.
Reading, Pa.—Penn St., No. 752, rear, three-st'y factory; owner, Walter A. Boas.

HOTELS.

Boston, Mass.—Atlantic St., near Eighth St., Ward 14, three-st'y brick hotel, flat roof, 68' x 76'; owner, C. H. Fleming.
New York, N. Y.—Franklin St., s.w. cor. Elm St., three-st'y café building; cost, \$45,000; owner, F. Raub; architects, De Lemos & Cordes.

MISCELLANEOUS.

Atlanta, Ga.—Plans are being prepared by Bruce & Morgan for a two-st'y market-house to cost about \$50,000.
Boston, Mass.—Albany St., No. 863, cor. Colony Pl., Ward 20, four-st'y brick bakery, flat roof, 42.6' x 86.6'; owners, J. G. & B. S. Ferguson.

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Rockview St., near Green St., Ward 23, one-st'y
frame bowling alley, pitch roof; owner, Jamaica
Club; builder, John Sherman.

Rockland St., near Washington St., Ward 25,
frame mechanical building, 45' x 46'; owner, W. N.
Sanborn; builder, B. E. Woodbury.

Somerville, Mass. — Sherman St., frame machine
and repair shop; owner, Eastman Freight Car
Heater Company.

PROPOSALS.

JAIL, ETC.

[At Blakely, Ga.]
Sealed bids will be received at the office of
the Clerk of Superior Court of Early County, at
Blakely, Ga., until 11 o'clock A. M. Tuesday,
March 15, 1892, for furnishing material and building
a sheriff's residence and county jail, of brick, for
said county.

For further information address at once

EARLY COUNTY NEWS,
Blakely, Ga.

Proposals for Roofing-Copper. Office of Building
for Library of Congress, 145 East Capitol Street,
Washington, D. C., February 25, 1892. Sealed propo-
sals for furnishing and delivering the tinned sheet-
copper and galvanized sheet-iron ribs required for
the three book-stack roofs and portico flashings of
the Building for Library of Congress, in this city,
will be received at this office until 2 o'clock P. M. on
Monday, the 14th day of March, 1892, and opened
immediately thereafter in presence of bidders. Specifi-
cations, general instructions and conditions and
blank forms of proposal may be obtained on applica-
tion at this office. BERNARD R. GREEN, Superin-
tendent and Engineer.

PROPOSALS.

February 19, 1892. Sealed proposals will be received
at the office of the Supervising Architect, Treasury
Department, Washington, D. C., until 2 o'clock P. M.
on the 23d day of March, 1892, and opened imme-
diately thereafter, for all the labor and materials
required for the erection and completion (except
general excavation and heating apparatus) of the
United States Post-office building at Beatrice, Neb.,
in accordance with drawings and specification, copies
of which may be had on application at this office or
the office of the Superintendent at Beatrice, Neb.
Each proposal 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. All proposals received after
the time stated will be returned to the bidder. Propo-
sals must be enclosed in envelopes sealed and
marked "Proposal for the Erection and Completion
(except General Excavation and Heating Apparatus)
of United States Post-office building at Beatrice,
Neb.," and addressed to W. J. EDBROOKE, Super-
vising Architect.

February 17, 1892. Sealed proposals will be received
at the office of the Supervising Architect, Treasury
Department, Washington, D. C., until 2 o'clock P. M.
on the 16th day of March, 1892, and opened imme-
diately thereafter, for all the labor and materials
required, and fixing in place complete, the low-
pressure, return-circulation, steam-heating and ven-
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[Continued in Supplement.]

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Professor Henry Draper says (U. S. Census Report, Vol. X, page 385): "It would appear that the reason that the brownstone disintegrates so rapidly in our city [New York], is its greater susceptibility to the action of organic compounds of decomposition and combustion; where the elementary material is dissolved and weakened, and pores

and fissures in the rock being opened, it is less liable to resist the attacks of frost."

On page 368, Vol. X, of the Tenth Census U. S., Alexis A. Julien, Ph.D., says, speaking of the use of brownstone in the city of New York, "Even the brownstone of the City Hall, originally of a very superior quality, and the crumbling cornices, lintels, etc., of numberless houses which line some of the streets of the City evince the progress of decay. It makes no very great difference whether the stone is laid parallel or perpendicular to its grain. In the former case its destruction is more rapid; in the latter rotteness soon appears in the lintels, columns, cornices and other projecting portions of the edifice. Several of the fronts along Fifth Avenue, some less than ten years old, already look frightful to the experienced eye of an honest stone-cutter."

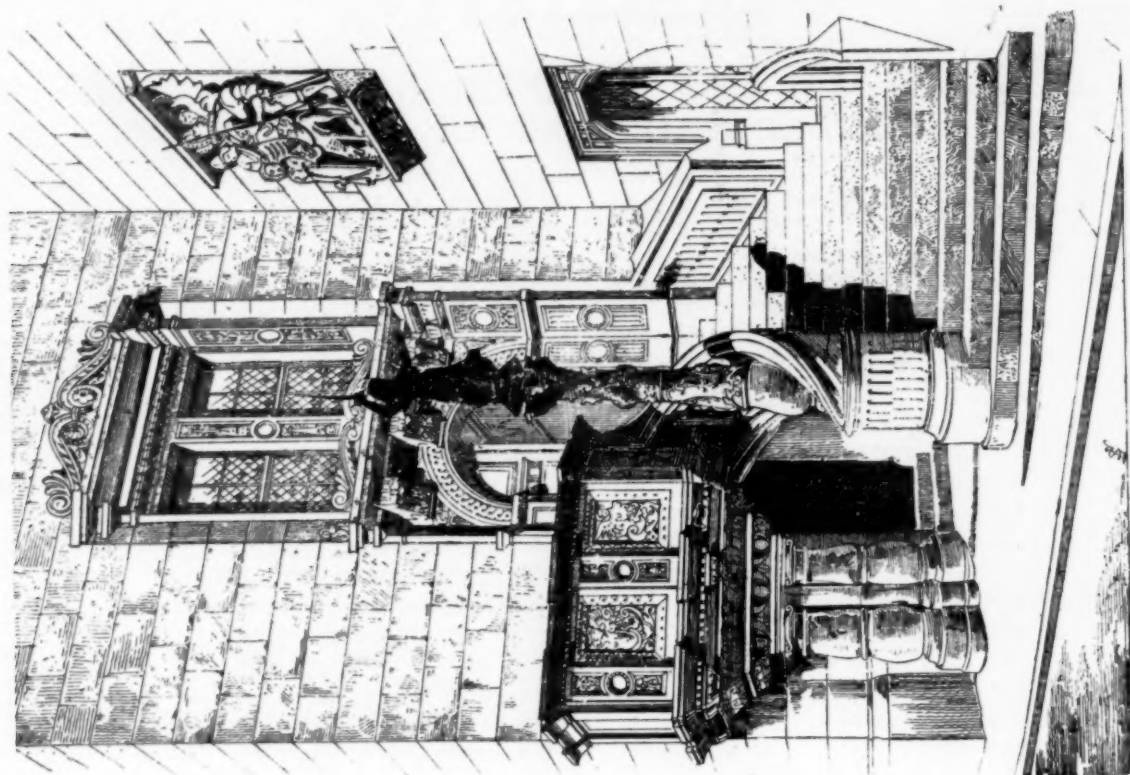
In contrast to this, the following by Dr. W. H. Wahl, Secretary of the Franklin Institute, referring to stone from the quarries of this Company, is suggestive:

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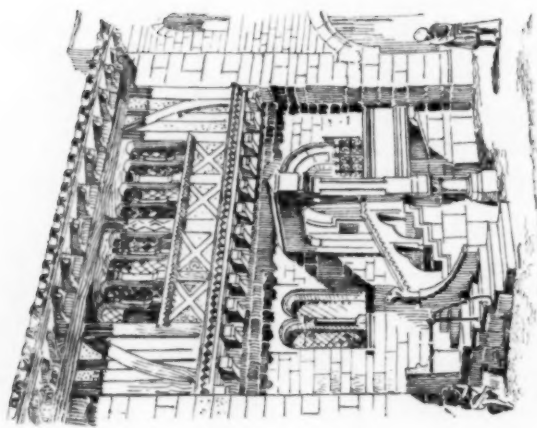
From these comments, it will appear that this remarkable stone, because of its beauty and extraordinary durability—which last is unquestioned and demonstrated—approximates more closely to the ideal building stone than any other that has thus far been proposed for use in this country, where the conditions of service are so extreme."

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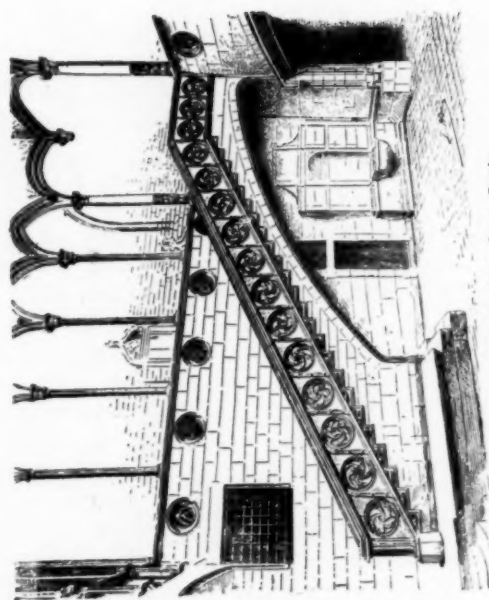
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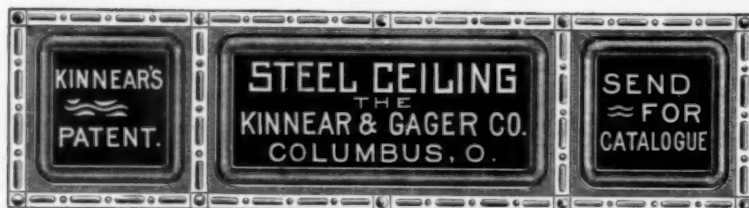


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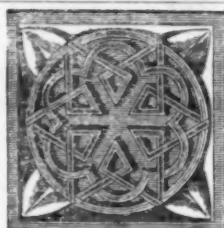
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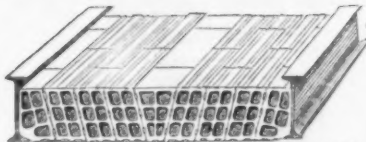
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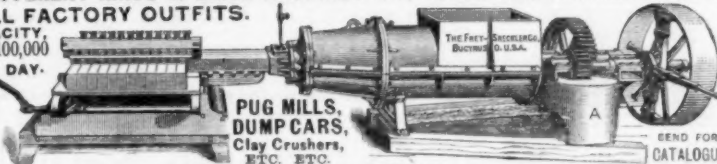
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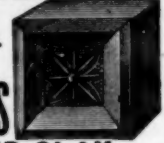
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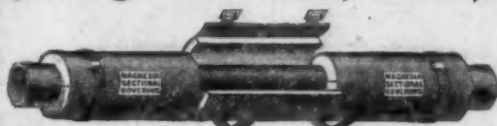
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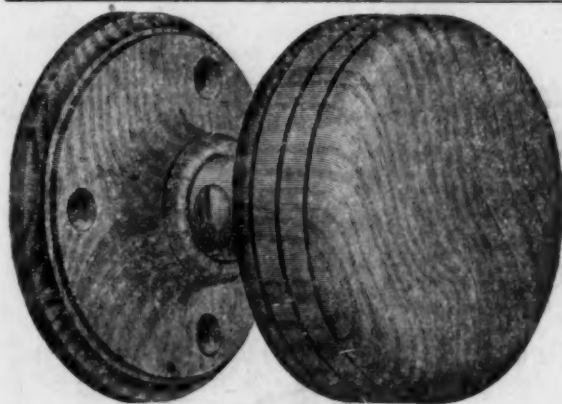
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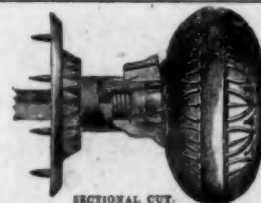
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Cedar sawed.....		2 00 @ 4 00	2 00 @ 2 35	{ 20" 35 @ 14
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Oak, red.....	@ 70 00	50 00 @ 55 00	32 00 @ 40 00	45 00 @ 55 00
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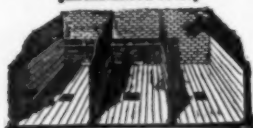


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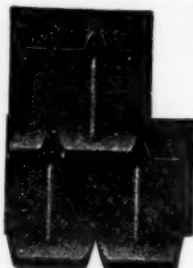
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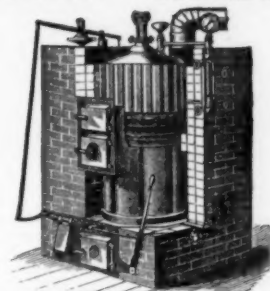
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zinc.	5 @ 8		7 @ 10 1/2	@ 7 1/2
Red lead, Am.	6 1/2 @ 7	7 @ 7 1/2	6 1/2 @ 7	@ 7 1/2
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Vermillion.	65 @ 70	70 @ 75 dry	65 @ 68	Eng. @ 7 1/2
Indian, Eng.	12 @ 20	12 @ 20	12 @ 20	dry Am. @ 7 1/2
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Green (chrome).	8 @ 13	8 @ 20	8 @ 20	@ 20
Green, Paris.	25 @ 40	25 @ 40	18 @ 35	15 @ 20
Black, lamp.	15 @ 25	15 @ 25	8 @ 30	8 @ 12
Blue, ultramarine.	12 @ 18	18 @ 30	12 @ 35	10 @ 24
Oil, linseed, (raw).	55 @ 62	38 @ 39	57 @ 60	@ 60
boiled.	58 @ 65	41 @ 42	60 @ 63	@ 63
Turpentine.	36 @ 37	1 50 @ 6 00	51 @ 51	@ 44
Varnish, conch.		2 50 @ 3 00	1 25 @ 2 00	125 @ 3 00
Shellac.		2 @ 4	2 25 @ 4 00	150 @ 3 00
Patty.	2 @ 100	1 @ 1 1/2	2 @ 2 1/2	2 @ 2 1/2
Whiting.	75 @ 1 00	1 @ 1 1/2	1 @ 1 1/2	1 @ 1 1/2
Paris white, (Eng.).	1 30 @ 2 00	2 @ 3	1 1/2 @ 2	1 1/2 @ 2
Litharge, Am.	54 @ 6	7 @ 7 1/2	6 1/2 @ 7	1 @ 2
Sienna (burnt).	14 @ 20	14 @ 20	4 @ 16	4 @ 14
Umber.	14 @ 20	14 @ 20	2 @ 10	2 @ 13
HARDWARE.				
Nails: (Per Cask.) Spikes, (wrought.)	@ 2 85	@	2 75 @ 3 00	per keg @ 2 25
10d. common.	@ 2 60	@ 2 10	@ 2 35	@ 2 30
Shingle.	@ 3 35	@ 2 20	@ 2 75	@ 2 60
Lath.	@ 4 85	@ 3 10	@ 3 65	3 60 @ 4 75
(Finishing nails according to size.)			Add .85 to \$1.15	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
Japaned.	@ 1 50	@ 1 75	Not Sold.	1 35 @ 2 00
Acorn, Japaned.	@ 1 50	@ 1 90	2 00 @ 3 75	1 35 @ 2 75
Bail Tip, Boston Finish. (P pair.)	@ 65	@ 50	Not Sold.	48 @ 50
Bronze metal.	@ 1 30	plain 1 65	2 00 @ 3 25	@ 1 25
Brass (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.
Hemacite.	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:				13 1/2 @ 16
Sheet Lead.	@	@ 7 1/2	@ 7	@ 6 1/2
Lead Pipe.	@	@ 6 1/2	@ 6 1/2	6 @ 6
Iron:				
I-Beams, up to and including 36 ft.	3 3-10 @ 3 1/2	@ 3 1-10	@	@ 2 8-10
I-Beams, over 30 ft. 1/2 c. advance.	@	@	3 20 @ 3 70	@ 2 8-10
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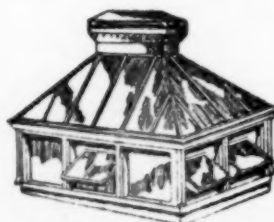
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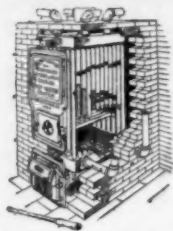
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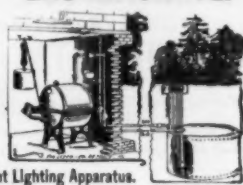
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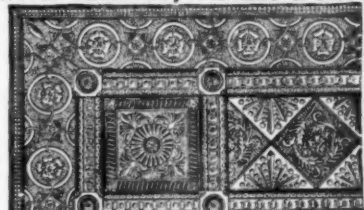


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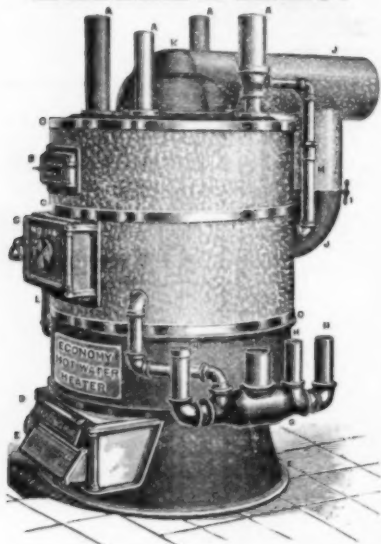
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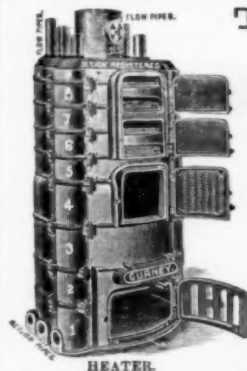


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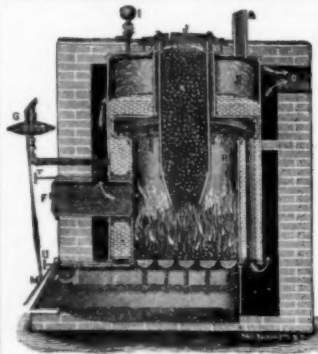
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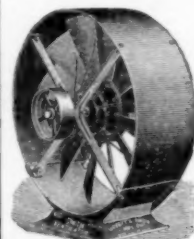
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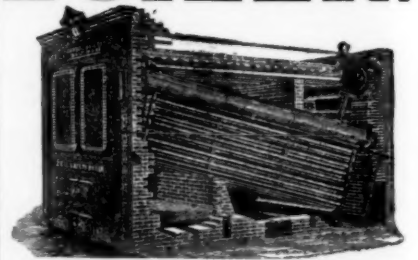
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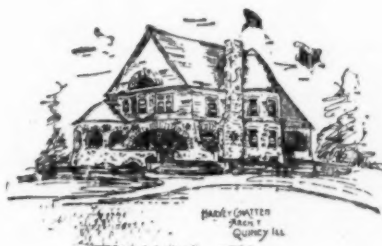
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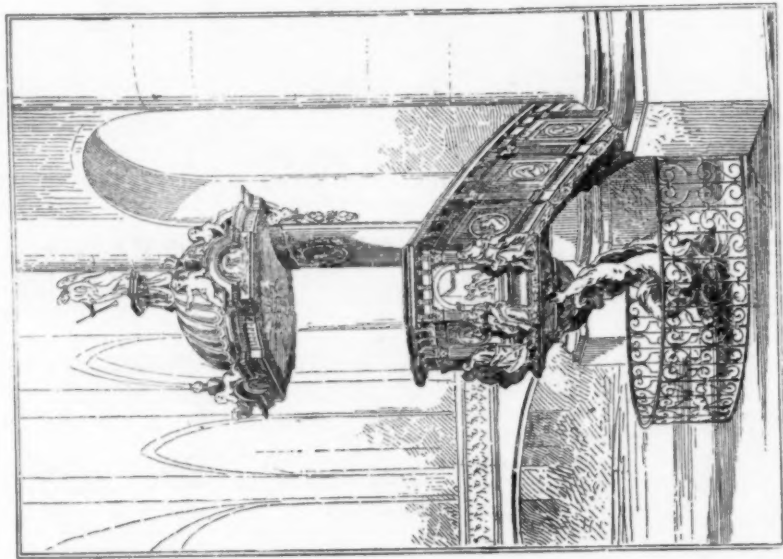


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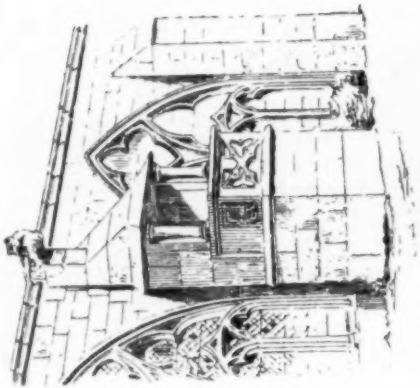
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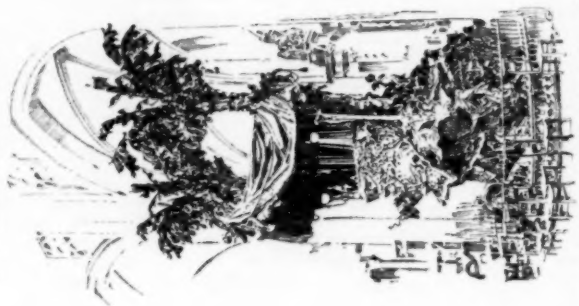
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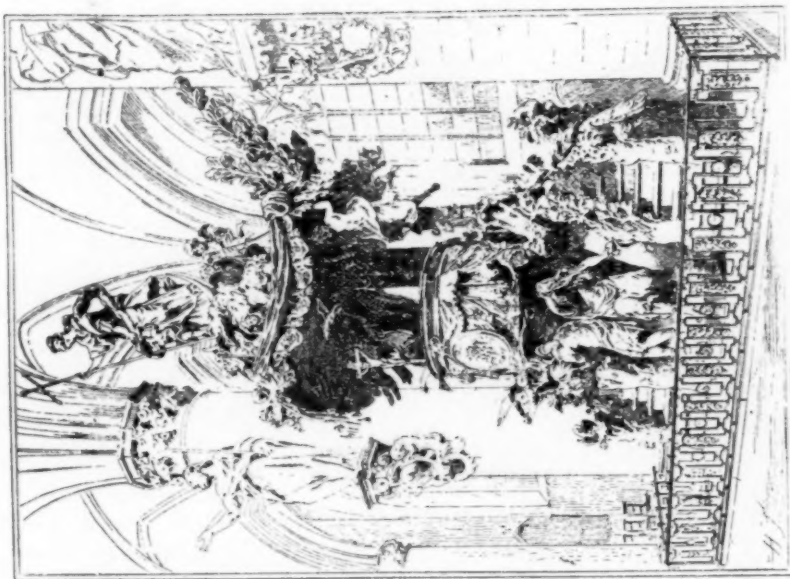
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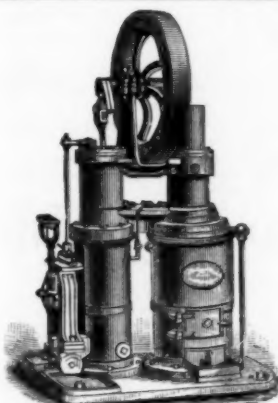
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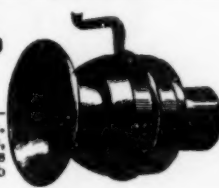


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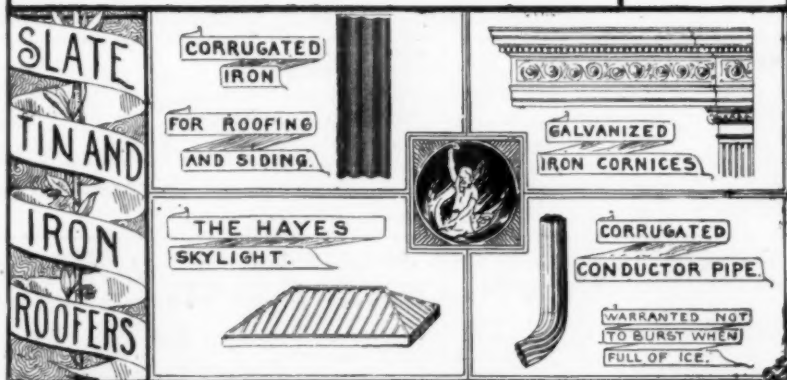
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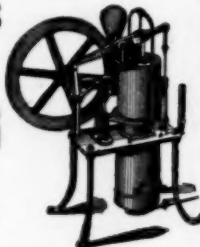
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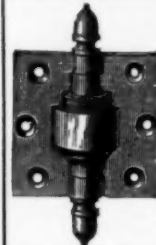
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The American Architect and Building News

IS PUBLISHED EVERY SATURDAY BY

TICKNOR & COMPANY,

211 TREMONT ST., BOSTON, MASS.

For the American Architect and Building News Co.

Advance Subscription Rates.

Regular Edition, \$6.00 per year; six months, \$3.50.
Imperial Edition, \$10.00 per year; six months, \$6.00.
International Edition, per year in advance, \$25.00.
" " quarterly " 26.00.

Payment should be made to Ticknor & Co direct, either by draft or post-office order.

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W. & J. SLOANE (New York, N. Y.), Linoleum. Page v.

PERSPECTIVE DRAWING.

The American Architect Drawing-Office will undertake the preparation of perspective drawings in line or color from scale drawings, or will render drawings already in outline. Address the editors.

WANTED.

PARTNERSHIP.—About May 1 the writer desires to become associated with an architect having an active practice with the view of a partnership, if at the end of three (3) months the relation proves congenial. South or West preferred. An American, age 28, eight years general experience, four years in leading New York city office. First-class references exchanged. Address by letter "J. H. S.," care of American Architect. 847

WANTED.

POSITION.—Wanted, position by A1 draughtsman and designer; capable of taking care of architect's office. Address "B," 646 North Tenth Street, Philadelphia, Pa. 845

WANTED.

DESIGNER.—Ornamental designer wanted for architectural iron-work; applicant must have had thorough practical experience. Address "Permanant," care American Architect. 847

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POSITION.—Wanted, position as draughtsman, good at construction and figuring strength of materials, etc., or superintendent on outside work. Address "R. W.," care of American Architect. t.f.

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[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.]

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469,513. BASIN STRAINER AND STOPPER.—Hugh H. Craigie, Stamford, Conn.
469,519. METALLIC GRATING.—Perley Hale, Chicago, Ill.

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469,526. TEMPERAT RE-REGULATOR.—James F. McElroy, Albany, N. Y.
469,553. PLUMBER'S TACK.—William H. Evory, Brooklyn, N. Y.
469,567. SCAFFOLDING.—Hermann Helland, Charlottenburg, near Berlin, Germany.
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469,655. ELEVATOR-CONTROLLER.—Edwin S. Matthews, Cincinnati, Ohio.

Imports of Building Materials, Etc.,

AT THE PORT OF NEW YORK FOR THE
WEEK ENDING MARCH 4, 1892.

From Antwerp.—Steamer "Noordland," 603 barrels cement, E. Thiele; 7 cases marble, Merchants Despatch Co.
From Glasgow.—Steamer "State of Nebraska," 85 cases granite, Austin Baldwin & Co.
From Havana.—Steamer "City of Washington," 10 bags asphalt, Hedden & Wheeler. Steamer "Saratoga," 100 bags asphaltum, order.
From Havre.—Steamer "Gothia," 11 cases moulded plaster, Diefenbrock & Uchmann.
From Liverpool.—Steamer "City of Chicago," 43 casks bricks, Howard Fleming. Steamer "Amelia," 26 logs hard wood, order. Steamer "Germanic," 20 cases cement, Kennedy & Moon.
From London.—Steamer "Mississippi," 15 logs rosewood, 60 do. yellow wood, W. L. Marshall; 540 casks cement, order.
From Newcastle.—Steamer "Derwent Holme," 25,000 fire bricks, Hammill & Gillespie; 1,000 do., order.
From Trinidad.—Steamer "Burnley," 1,200 tons asphaltum, order.
From Vera Cruz.—Steamer "City of Washington," 394 blocks marble, E. Zarang & Co.

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.—Henry St., s e cor. Atlantic Ave., four-st'y brick store and dwell., gravel roof, internal alterations; cost, \$4,500; owner, G. B. Bretz, 196 Remsen St.; architect, J. G. Glover, 186 Remsen St.
Nostrand Ave., s w cor. Quincy St., one-st'y brick and stone church, slate roof, three-st'y brick exten-

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Candidates must be under thirty years of age, and must have worked during two years in the employ of an architect resident in Massachusetts.

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III. Construction, theory and practice. Written examination.

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Candidates who pass in these preliminary examinations will be asked to present themselves within a fortnight for the competitive examination in design.

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The Boston Society of Architects and the Boston Architectural Club have offered the sums of \$75 and \$50 respectively, to be awarded at the discretion of the Committee, as second and third prizes.

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See the first issue of the month for the following advertisements.

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BUILDING INTELLIGENCE.

sion, slate and tin roof, added and internal and other alterations made; cost, \$37,000; owner, Nostrand Methodist Episcopal Church; architects, Weary & Kramer, Akron, Ohio.

George St., s e cor. Evergreen Ave., five-st'y brick brewery, felt and gravel roof, two-st'y brick extension, asphalt roof; cost, \$10,000; owner, Leonard Eppig, 51 Central Ave.; architect, Th. Engelhardt, 905 Broadway.

Bedford Ave., No. 1250, four-st'y brick flat, tin roof; one-st'y brick extension, tin roof added, internal and other alterations; cost, \$3,500; owner, Robert Porterfield, 183 Lefferts Pl.; architects, H. Olmsted & Son, 1424 Atlantic Ave.

Chicago, Ill.—Thomas Clancy, three-st'y addition, 219 Oakley Ave.; cost, \$5,000.

(Continued on page xv.)

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R. D. Sheppard, additional stories, 191-197 East Randolph St.; cost, \$100,000.
A. J. Toulin, one-st'y addition, 407 Greenwood St.; cost, \$15,000.
Henry Bonhoeft, three-st'y addition, 371 West Erie St.; cost, \$3,000.
John Burke, two-st'y addition, 1055 Thirty-first St.; cost, \$3,000.
Monarch Brewing Co., four-st'y addition, 1094-1096 West Twenty-first St.; cost, \$15,000.
New York, N. Y.—East Nineteenth St., No. 239, four-st'y brick flat, extension and internal improvements; cost, \$3,000; owner, Marie Peyroux Boom, 239 East Nineteenth St.; architect, William McGrath, 789 Second Ave.
West Thirty-eighth St., No. 40, four-st'y brick dwell., extension and internal changes; cost, \$15,000; owner, Jessica C. Appleton, 621 Fifth Ave.; architects, Jas. M. MacGregor & Son, 35 Liberty St.
Fifth Ave., No. 535, four-st'y brick dwell., elevator, etc.; cost, \$3,500; owner, Fannie E. Musgrave, 535 Fifth Ave.; architect, J. E. Terhune, 47 Liberty St.
West Seventy-second St., No. 22, four-st'y brick dwell., extension and internal changes; cost, \$5,000; owner, S. W. Meyer, 1 West Forty-sixth St.; architect, G. A. Schellinger, 128 Broadway.
Union Square, No. 34, six-st'y brick office-building, internal alterations; cost, \$5,000; owner, Robt. J. Dillon estate, 67 Wall St.; architect, J. Robinson, Jr., 247 West One Hundred and Twenty-fifth St.
Broadway, Nos. 177-179, four-st'y brick office-building, alterations; cost, \$5,000; owner, Ferdinand Fish, 51 West Forty-second St.; architects, B. & W. B. Smith, 220 West Twenty-ninth St.
Chamber St., No. 149, and Reade St., No. 131, five-st'y brick store, internal alterations; cost, \$20,000; owner, Thomas Paton estate, 14 West Twenty-second St.; architect, J. R. Thomas, 160 Broadway.
East One Hundred and Twenty-ninth St., No. 116, two-st'y brick store, two-st'y brick extension, etc.; cost, \$4,000; owner, A. S. Nichols, 2005 Madison Ave.; architect, Julius Munkowitz, 247 West One Hundred and Twenty-fifth St.
Fourth Ave., No. 112, five-st'y brick factory, internal alterations; cost, \$5,800; owner, Samuel J. Hunt estate, 36 Maple Ave., Morristown, N. J.; architect, N. O'Connor, 242 East Forty-fifth St.
Cliff St., Nos. 85-89, six-st'y brick factory, raised to seven stories, with internal alterations; cost, \$30,000; owners, Geo. H. & John P. Chatillon, 85-89 Cliff St.; architect, Julius Kastner, 744 Broadway.
Pier 42, North River, foot of Morton St., one and two st'y iron frame shed, extension; cost, \$18,000; owner, Campagne Generale Transatlantique, 3 Bowling Green; architect, R. P. Statte, 29 Broadway.
Fifth Ave., Nos. 556-558, interior changed and extension added, previous to occupancy by the Lotus Club; architect, Wm. H. Hume.
Park Ave., cor. Forty-second St., building raised to ten stories, fireproof throughout; cost, \$175,000; for N. Y. Central and Hudson River Railroad; architect, Bradford L. Gilbert.
Rochester, N. Y.—Brick addition to almshouse; cost, \$12,378; architects, Nolan, Nolan & Stern.
St. Louis, Mo.—Two-st'y brick addition to brewery; cost, \$6,000; owner, St. Louis Brewery Association; contractor, J. Demanay.
Two-st'y brick addition to brewery; cost, \$5,000; owner, St. Louis Brewery Association; contractor, C. Wehking.

APARTMENT-HOUSES.

Chicago, Ill.—Martha Pettigrew, three-st'y flats, Baxter and School Sts.; cost, \$4,000.
Patrick Hursen, three-st'y flats, 18 Colorado Ave.; cost, \$6,000.
N. Evans, two-st'y flats, 1155 West Monroe St.; cost, \$3,500.
August Naaty, three-st'y flats, 118 Osgood St.; cost, \$3,600.
J. H. Scott, three-st'y flats, 408 Ashland Ave.; cost, \$9,000.
Adam Ruehl, two-st'y flats, 3030 Butler St.; cost, \$4,000.
James Coffee, three-st'y flats, 54 Sigel St.; cost, \$4,000.
Dan O'Hearn, two-st'y flats, 3740 Dashiell Ave.; cost, \$4,000.
F. Deppe, three-st'y flats, 1161 North Clark St.; cost, \$5,000.
L. P. Hammond, 2 two-st'y flats, 2836-2838 Commercial Ave.; cost, \$3,600.
J. L. Nelson, two-st'y flats, 1038 Indiana Ave.; cost, \$3,500.
N. Holson, three-st'y flats, 1454 Newport Ave.; cost, \$7,500.
A. A. Bach, 2 two-st'y flats, 6005-6007 La Salle St.; cost, \$4,000.
A. Vereka, two-st'y flats, 4500 Paulina St.; cost, \$3,500.
Frank Grath, three-st'y flats, 3701 Laurel St.; cost, \$4,500.
R. H. Andrews, two-st'y flats, 149 South Hoyne Ave.; cost, \$6,000.
Goochard Bros., 2 two-st'y flats, 376-378 Winchester Ave.; cost, \$12,000.
H. T. Swierengen, three-st'y flats, 44 Hull St.; cost, \$6,000.
Frank Peteracke, three-st'y flats, s e cor. Evans Ave. and Leipsic St.; cost, \$4,000.
James Henry Berry, three-st'y flats, 59 Elburin Ave.; cost, \$3,000.
Bernhardt Taken, 2 three-st'y flats, 871-873 West Division St.; cost, \$7,000.
Z. S. Holbrook, 5 three-st'y flats, 475-477 Dearborn Ave.; cost, \$30,000.
J. Pielshke, four-st'y flats, 155 Fullerton Ave.; cost, \$10,000.
T. J. O'Conner, two-st'y flats, 1312 West Congress St.; cost, \$4,600.
Casper Schrader, three-st'y flats, 3755 Wentworth Ave.; cost, \$5,500.
C. C. Barrett, two-st'y flats, 363 Marshfield Ave.; cost, \$5,000.
David A. Thatcher, three-st'y flats, 825 West Van Buren St.; cost, \$6,500.

BUILDING INTELLIGENCE.

James Van Bigey & Son, 2 three-st'y flats, 423-425 Winchester Ave.; cost, \$12,000.
Frank Nording, 2 four-st'y flats, 1566-1568 Twenty-second St.; cost, \$24,000.
Valaf. Noring, three-st'y flats, 578 Francisco Ave.; cost, \$7,000.
Thomas Hanson, three-st'y flats, 709 Maplewood Ave.; cost, \$8,500.
T. Rober, 2 two-st'y flats, Seventy-second St. and Stewart Ave.; cost, \$18,000.
Charles Hurst, 2 two-st'y flats, Sixty-fifth and Winter Sts.; cost, \$12,000.
P. Murphy, three-st'y flats, 1363 West Harrison St.; cost, \$5,000.
H. L. Mitcull, two-st'y flats, 1427 West Monroe St.; cost, \$6,000.
C. Maurait, two-st'y flats, 752 Forty-third St.; cost, \$3,600.
M. McGrath, two-st'y flats, 5358 Ashland Ave.; cost, \$3,500.
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S. Danby, 2 two-st'y flats, 7247-7249 Stewart Ave.; cost, \$15,000.
C. Hobfield, 3 two-st'y flats, 877-881 Spaulding St.; cost, \$12,000.
M. Mortimore, three-st'y flats, 2706 Dearborn St.; cost, \$8,000.
C. Bunnekmeier, three-st'y flats, 886 Sheffield Ave.; cost, \$3,800.
H. J. Tolleston, 7 three-st'y flats, 406-410 Fifty-first St.; cost, \$45,000.
Christian Paulson, two-st'y flats, 750 Seymour St.; cost, \$3,300.
John Hallock, 2 two-st'y flats, 13-17 Congress St.; cost, \$8,000.
John Parlis, three-st'y flats, 818 Allport Ave.; cost, \$6,000.
E. J. Bowes & Bro., three-st'y flats, 14 York St.; cost, \$6,000.
A. A. Sanders, two-st'y flats, Seventieth St. and St. Lawrence Ave.; cost, \$3,000.
G. F. Sanders, two-st'y flats, Seventieth St. and St. Lawrence Ave.; cost, \$2,500.
Henry Weaver, two-st'y flats, 685-689 Fulton St.; cost, \$5,000.
William Hueck, three-st'y flats, 1489 West Lake St.; cost, \$6,000.
George Grussing, 2 two-st'y flats, 1384-1386 Fulton St.; cost, \$7,000.
Michael Ryan, three-st'y flats, 2958 Lowe Ave.; cost, \$5,000.
B. P. Randall, 2 three-st'y flats, 614-618 Seventy-seventh St.; cost, \$6,000.
M. C. Sullivan, 2 two-st'y flats, 6631-6633 Drexel Ave.; cost, \$8,000.
M. T. Olds, two-st'y flats, Wendel Ave. and Eighty-third St.; cost, \$3,000.
C. H. Logan, two-st'y flats, Wendel Ave. and Eighty-third St.; cost, \$3,000.
E. S. Davis, three-st'y flats, 6122 Oglesby Ave.; cost, \$8,000.
Mrs. A. Kelsey, three-st'y flats, 665-667 Racine Ave.; cost, \$5,500.
J. S. Dietrich, two-st'y flats, Jefferson Ave.; cost, \$3,500.
M. E. Williams, 2 three-st'y flats, 365 Thirty-ninth St.; cost, \$5,000.
John Mueller, 4 four-st'y flats, 45-47 North Erie St.; cost, \$9,000.
Henry Woepe, 2 three-st'y flats, 469-471 North Robey St.; cost, \$10,000.
Peter Olson, two-st'y flats, 674 North Oakley Ave.; cost, \$4,000.
Charles Wesing, three-st'y flats, 152 Dayton St.; cost, \$5,000.
Charles Baker, 3 three-st'y flats, Ninety-third St. and Saginaw Ave.; cost, \$7,000.
Eugene Holton, 2 two-st'y flats, 6827-6829 May St.; cost, \$9,000.
H. Knede, two-st'y flats, 103 Tolman St.; cost, \$4,000.
Olaf Nelson, three-st'y flats, 290 North Franklin St.; cost, \$6,000.
H. Anderson, four-st'y flats, 475 Ohio St.; cost, \$7,000.
H. M. Fisher, two-st'y flats, 2182 Washington Boulevard; cost, \$3,900.
F. E. Halligan, 2 three-st'y flats, 878-880 Jackson St.; cost, \$10,000.
S. Dumbly, three-st'y flats, Seventy-fourth St. and Vincennes Ave.; cost, \$8,000.
A. D. Berry, two-st'y flats, 28 Best Ave.; cost, \$3,600.
John B. Johnson, three-st'y flats, 1412 Newport Ave.; cost, \$6,000.
Edward Murray, Jr., 3 three-st'y flats, 7688-7690 South Chicago Ave.; cost, \$14,000.
L. G. Kirkland, 4 three-st'y flats, Evans Ave. and Forty-fifth St.; cost, \$20,000.
A. Montgomery Ward, 4 three-st'y flats, 75-75 Ford Ave.; cost, \$18,000.
C. Rubens, 2 two-st'y flats, Laurella Ave., near Eighty-second St.; cost, \$3,600.
J. S. Findlay, 3 two-st'y flats, Seventieth St., near Perry Ave.; cost, \$20,000.
J. Pick, three-st'y flats, 110 Sheffield Ave.; cost, \$6,000.
Jas. Petermichel, four-st'y flats, 114-116 West Twelfth St.; cost, \$7,000.
Anton Duha, three-st'y flats, 871 West Division St.; cost, \$5,000.
John Donby, three-st'y flats, 75 Seward St.; cost, \$4,000.
L. P. Hammond, two-st'y flats, 900 Seminary Ave.; cost, \$4,000.
James Kelley, three-st'y flats, 112 Homan Ave.; cost, \$9,000.
A. E. Peterson, three-st'y flats, 1085 North Ave.; cost, \$8,500.
C. F. Patterson, 6 three-st'y flats, 132-142 Francisco Ave.; cost, \$27,000.
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Charles Klockmoom, three-sty flats, 531 Thomas St.; cost, \$7,200.

I. C. Eblen, 2 three-sty flats, 632-634 Wells St.; cost, \$12,000; owner, Solomon Jacobs, 2 Monroe St.

Daniel Loeffler, 2 two-sty flats, n e cor. Bloom and Thirty-eighth St.; cost, \$17,000.

Robert D. Arncliffe, 2 three-sty flats, 4726-4728 Kenwood Ave.; cost, \$8,000.

August Olson, three-sty flats, 6112 Madison Ave.; cost, \$7,000.

James Geissman, 3 three-sty flats, 5541-5548 Ingle-side Ave.; cost, \$18,000.

Minneapolis, Minn.—John E. Holmberg, three sty brick block of flats, 738-748 East Eighteenth St.; cost, \$26,000.

A. N. Trussell, three-sty brick block of flats, 968-970 First Ave., n; cost, \$10,000.

New York, N. Y.—One Hundred and Eighteenth St., s s, 100' w Eighth Ave., 4 five-sty brick flats, tin roofs; cost, \$80,000; owner, Elizabeth Johnston, 75 East Eightieth St.; architects, A. B. Ogden & Son, 1031 Madison Ave.

Monroe St., No. 9, five-sty brick flat, tin roof; cost, \$19,000; owner, Solomon Jacobs, 2 Monroe St.; architect, G. Fred Pelham, 1481 Broadway.

Orchard St., No. 100, five-sty brick flat, tin roof; cost, \$16,000; owner, James Searles Barclay, 69 West Thirty-eighth St.; architects, J. Boeckell & Son, 54 Bond St.

One Hundred and Second St., n s, 102' 6" w Third Ave., 4 five-sty brick flats, tin roofs; cost, \$78,000; owner, Mary Healy, 349 East Eighty-fourth St.; architect, John Hauser, 1441 Third Ave.

Jackson St., No. 32, five-sty brick flat, tin roof; cost, \$18,000; owner, Charles H. Reed, 310 East Sixty-ninth St.; architect, Charles Kentz, 153 Fourth Ave.

Amsterdam Ave., 75' 6" n One Hundred and Fifth St., five-sty brick flat, tin roof; cost, \$18,000; owner, Elizabeth Johnston, 75 East Eightieth St.; architects, A. B. Ogden & Son, 1031 Madison Ave.

One Hundred and Fifth St., n s, 100' w Amsterdam Ave., five-sty brick flat, tin roof; cost, \$18,000; owner, Elizabeth Johnston, 75 East Eightieth St.; architects, A. B. Ogden & Son, 1031 Madison Ave.

One Hundred and Forty-eighth St., s s, 75' e Bradhurst Ave., five-sty brick flat, tin roof; cost, \$16,000; owner, Valesko Meyer, 319 East One Hundred and Twenty-fifth St.; architect, Andrew Spence, 163 East One Hundred and Twenty-fifth St.

Bradhurst Ave., e s, 25' s One Hundred and Forty-eighth St., 3 five-sty brick flats, tin roofs, cost, \$15,000; owner, Valesko Meyer, 319 East One Hundred and Twenty-fifth St.; architect, Andrew Spence, 163 East One Hundred and Twenty-fifth St.

Bradhurst Ave., s e cor. One Hundred and Forty-eighth St., five-sty brick flat, tin roof; cost, \$18,000; owner, Valesko Meyer, 319 East One Hundred and Twenty-fifth St.; architect, Andrew Spence, 163 East One Hundred and Twenty-fifth St.

West Nineteenth St., No. 278, five-sty brick and stone flat; owner, George G. Jackson; architects, Hubert, Pirron & Hoddick.

Eighty-fifth St., n s, 185' 6" w Park Ave., five-sty apartment-house; owner, S. Pandle; architect, W. O. Tait.

Park Ave., w s, 60' n Ninety-third St., three-sty brick flat, tin roof; cost, \$25,000; owner, John W. Feldman, 1180 Park Ave.; architect, Edward Wenz, 1491 Third Ave.

Third Ave., s w cor. One Hundred and Sixty-fourth St., five-sty brick flat, tin roof; cost, \$35,000; owner, Peter Hynes, 109 West Twenty-sixth St.; architects, Revere & Son, 436 Amsterdam Ave.

One Hundred and First St., 100' e Columbus Ave., 6 five-sty brick flats, tin roofs; cost, \$120,000; owner, Dore Lyon, 321 West One Hundred and Thirty-sixth St.; architect, Charles H. Israel, 90 Nassau St.

Manhattan St., s s, 35' 60', 85', 110' and 135' e

BUILDING INTELLIGENCE.

Tenth Ave. or Amsterdam Ave., 5 five-sty brick flats, tin roofs; cost, \$87,000; owners, Frederick A. Tons, 245 West One Hundred and Twenty-sixth St., and Theodore A. Spear, Eighth Ave. and One Hundred and Twenty-fifth St.; architect, J. Averitt Webster, 217 West One Hundred and Twenty-fifth St.

One Hundred and Twenty-fifth St., s s, 125' w Amsterdam Ave., 3 five-sty brick flats, tin roofs; cost, \$66,000; owner, George A. Smith, 2236 Second Ave.; architect, Charles Sidney, 250 West One Hundred and Twenty-fifth St.

One Hundred and Thirty-sixth St., s s, 206' w Willis Ave., five-sty brick flat, tin roof; cost, \$25,000; owner, Herman Schmuck, 17 Stebbins Ave.; architect, Edward Wenz, 1491 Third Ave.

One Hundred and Thirty-fifth St., n s, 181' w Willis Ave., 2 five-sty brick flats, tin roofs; cost, \$50,000; owner, Herman Schmuck, 17 Stebbins Ave.; architect, Edward Wenz, 1491 Third Ave.

East Twelfth St., No. 510, five-sty brick flat, tin roof; cost, \$18,000; owner, Martin Heldt, 179 East Houston St.; architects, J. Boeckell & Son, 59 Bond St.

Second Ave., n e cor. Tenth St., five-sty brick flat, tin roof; cost, \$40,000; owner, Thos. J. Jenkins, 227 West One Hundred and Fifteenth St.; architect, Geo. M. Walgrove, 99 Nassau St.

Columbus Ave., s e cor. Eighty-fourth St., 4 five-sty brick, stone and terra-cotta flats; cost, \$100,000; architect, F. A. Minuth.

Catharine St., s e cor. Division St., five-sty buff brick and stone flats and store building; cost, \$40,000; owner, Wm. Remsen; architect, F. T. Camp.

CHURCHES.

New York, N. Y.—East One Hundred and Ninth St., No. 109, brick church, tin roof; cost, \$4,000; owner, Rev. Emil Herring, pastor, 54 East One Hundred and Ninth St.; architect, Fred Ebeling, 3 First Ave.

Norfolk, Va.—Edifice to cost about \$75,000 will be built for Granby St. Methodist Church.

Rochester, N. Y.—Third Presbyterian Church, stone church, modern Romanesque style, cor. East Ave. and Meigs St.; seating-capacity, 1,500; cost, \$75,000; architect, O. K. Foote.

St. Louis, Mo.—One-sty brick church; cost, \$59,000; owner, Lutheran Church; contractors, B. Weber & Son.

FACTORIES.

Brooklyn, N. Y.—South Third St., Nos. 37-39, two-sty brick bag factory, gravel roof; cost, \$5,000; owner, Peter Young, 37 and 39 South Third St.; architect, Th. Engelhardt, 905 Broadway.

Chicago, Ill.—M. Kroeschell, six-sty factory, 57-59 Erie St.; cost, \$18,000.

New York, N. Y.—One Hundred and Forty-fourth St., s s, 50' w Rider Ave., five-sty brick factory, tar and gravel roof; cost, \$22,000; owner, Thos. Clarke, 1206 Boston Ave.; architect, John P. Walther, 2306 One Hundred and Twenty-fifth St.

West Sixteenth St., No. 413, four-sty brick factory, asphalt roof; cost, \$8,000; owner, Patrick Quirk, 423 West Sixteenth St.; architect, Thayer & Robinson, 67 Liberty St.

St. Louis, Mo.—Four-sty brick factory; cost, \$9,000; owner, A. Boeker; contractors, J. H. Remmers.

HOUSES.

Brooklyn, N. Y.—Glenmore Ave., s s, 25' e Hendrix St., three-sty frame dwell., tin roof; cost, \$3,400; owner, M. Reichert, 21 Fayette St.; architect, Chas. Infanger, 126 Van Siclen Ave.

South Fifth St., n s, 175' e Hooper St., 2 four-sty brick dwell., tin roofs; cost, \$8,000 each; owner and builder, Hugh Fehling, 252 Hayward St.; architect, Th. Engelhardt, 905 Broadway.

Montrose Ave., s s, 50' e Bushwick Ave., three-sty

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frame dwell., tin roof; cost, \$6,000; owner, Julius Meisner, Bushwick Ave.; architects, D. Acker & Son, 782 Broadway.

Harrison Pl., s s, 100' w Morgan Ave., 2 three-sty frame dwell., tin roofs; cost, \$4,000 each; owners, Brickner & Fritz, 72 Humboldt St.; architect, H. Vollweiler, 483 Hart St.

Greene Ave., n s, 150' e Central Ave., 2 three-sty frame dwell., tin roofs; cost, \$4,500 each; owner, architect and builder, Adam Metz, 31 Bleeker St.

Fourteenth St., n s, 257' 10" w Ninth Ave., 7 two-sty brick dwell., tin roofs; cost, \$4,200 each; owner, C. Beatty, 745 Franklin Ave.; architect, H. Lewis Copeland, 510 Hart St.

Dean St., n s, 100' e Brooklyn Ave., 5 three-sty brick dwell., tin roofs; cost, \$60,000; owner and builder, Arthur G. Stone, 1262 Dean St.; architect, George P. Chappell, 24 State St., New York City.

Eastern Parkway, 65' e Watkins St., 2 three-sty frame dwell., tin roofs; cost, \$1,500 each; owner, Ada Pomeroy, Watkins St.

Old Wood Point Road, w s, 59' 10" n Jackson St., three-sty frame dwell., tin roof; cost, \$4,500; owner, Elizabeth Stutter, on premises; architect, Th. Engelhardt, 905 Broadway.

Graham Ave., e s, 75' n Johnson Ave., three-sty frame dwell., tin roof; cost, \$3,500; owner and builder, Ph. Schmidt, on premises; architect, Th. Engelhardt, 905 Broadway.

Twelfth St., n s, 200' e Eighth Ave., 3 three-sty brick dwell., tin roofs; cost, \$8,000 each; owner, E. J. Norris, 246 Thirtieth St.; architect, A. V. B. Norris, 576 Eleventh St.; builder, W. H. Norris, 246 Thirtieth St.

McLure St., n s, 100' e Knickerbocker Ave., 3 three-sty frame dwell., tin roofs; cost, \$14,000; owner and builder, Jos. Weidner, on premises; architects, D. Acker & Son, 782 Broadway.

Himrod St., n s, 150' w Hamburg Ave., 2 three-sty frame dwell., tin roofs; cost, \$5,000 each; owner and builder, Louis Jaack, 181 Stanhope St.; architect, H. Vollweiler, 483 Hart St.

Ashford St., w s, 125' s Liberty Ave., three-sty frame dwell., tin roof; cost, \$4,000; owner, Chas. Miltner, Ashford St., near Liberty Ave.

Kingsland Ave., e s, 100' n Nassau Ave., three-sty frame dwell., tin roof; cost, \$5,000; owner, Bartholomew Mitchell; architect, A. Herbert, 145 Broadway.

Thirty-ninth St., n s, 125' w Sixth Ave., 3 two-sty frame dwell., tin roofs; cost, \$2,000 each; owner, John Mackey, 809 Third Ave., New York City; architect, Michael Brophy, 450 Thirty-ninth St.

Fifty-fourth St., n s, 200' w Fifth Ave., 2 two-sty brick dwell., tin roofs; owner and architect, Robert W. Fifth, Arbuckle Building.

Greene Ave., s s, 250' w Central Ave., 9 three-sty frame dwell., iron roofs; cost, \$30,000; owners,

(Continued on page xix.)

POTSDAM RED SANDSTONE.

For many years the resistance to crushing force shown by a building stone has been considered the highest evidence of its perfect homogeneity and durability. The stone from the quarries of the Potsdam Red Sandstone Company has shown a greater resistance to crushing force than has any other stone known to science. The following table of the resistance to crushing force of various of the most famous Granites, Limestones, Marbles and Sandstones is compiled from Gen. Q. A. Gillmore's Report to the Chief of Engineers, U. S. A.; from Haswell's Engineer's Pocket Book; and from tests made by Ira H. Woolson, Civil Engineer, on the Emery Testing Machine, at Columbia College School of Mines, New York. The highest result is in each instance given. The samples of Potsdam Sandstone were from the quarries of this Company.

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Arbroath, England, Sandstone,	Haswell, 7850	Little Falls, New York, Sandstone,	Gillmore, 9850
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Bardstown, Ky., Limestone,	Gillmore, 16250	Marquette, Michigan, Sandstone,	Gillmore, 7450
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Belleville, New Jersey, Sandstone,	Gillmore, 11700	Massilon, Ohio, Sandstone,	Gillmore, 8750
Berea, Ohio, Sandstone,	Gillmore, 10250	Medina, New York, Sandstone,	Gillmore, 17725
Billingsville, Missouri Limestone,	Gillmore, 7250	Middletown, Connecticut, Sandstone,	Gillmore, 6950
Caen, France, Limestone,	Gillmore, 3650	New Haven, Connecticut, Granite,	Gillmore, 9750
City Point, Maine, Granite,	Gillmore, 15093	Newry, England, Granite,	Haswell, 12850
Cleveland, Ohio, Sandstone,	Gillmore, 7910	North Amherst, Ohio, Sandstone,	Gillmore, 6650
Connecticut Freestone,	Haswell, 3319	North River Limestone,	Gillmore, 13425
Common Italian Marble,	Gillmore, 13062	Patapsco, Maryland, Granite,	Haswell, 5340
Cornish, Wales, Granite,	Haswell, 6339	Port Deposit, Maryland, Granite,	Gillmore, 19750
Craighleith, Scotland, Sandstone,	Gillmore, 12000		
Dix Island, Maine, Granite,	Gillmore, 15000		
Dorset, Vermont, Marble,	Gillmore, 8670		
Dorchester, N. Brunswick, Sandstone,	Gillmore, 9412		
Dublin, Ireland, Granite,	Haswell, 10450		
Duluth, Minnesota, Granite,	Gillmore, 19000		
English Magnesian Limestone,	Haswell, 3130		
English Anglesa Limestone,	Haswell, 3600		
Fond du Lac, Wisconsin, Sandstone,	Gillmore, 6250		
Fox Island, Maine, Granite,	Gillmore, 15062		
Glens Falls, New York, Limestone,	Gillmore, 11475		
Greenwich, Connecticut, Granite,	Gillmore, 11700		
Harbor Quarry, Maine, Granite,	Gillmore, 16837		
Haverstraw, New York, Sandstone,	Gillmore, 4350		
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Seneca, Ohio, Sandstone,	Gillmore, 10500
Tuckahoe, New York, Marble,	Gillmore, 13594
Vermillion, Ohio, Sandstone,	Gillmore, 8850
Vinalhaven, Maine, Granite,	Gillmore, 16750
Warrensburgh, Missouri, Sandstone,	Gillmore, 5000
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Thames St., s. s. 100' e Morgan Ave., 3 three-sty frame dwells., tin roofs; cost, \$3,500 each; owners, architects and builders, M. Erk and B. Vogt, 20 Ingraham St.

Eleventh St., n. s. 250' w Ninth Ave., 4 two-sty brick dwells., tin roofs; cost, \$4,500 each; owner, architect and builder, Charles G. Peterson, 603 Seventh St.

Douglas St., n. s. 240' e Washington Ave., 3 four-sty brick dwells., tin roofs; cost, \$18,000; owner, Chas. Winterwerb, 670 Butler St.; architect, Chas. Meins, 2581 Atlantic Ave.

Suydam St., s. s. 250' w Knickerbocker Ave., 2 three-sty frame dwells., tin roofs; cost, \$10,000; owner and builder, John Clement, 213 Suydam St.; architects, D. Acker & Son, 752 Broadway.

Kosciusko St., n. s. 250' e Marcy Ave., 4 two-sty brick dwells., tin roofs; cost, \$5,000 each; owner, M. J. McLoughlin, 100 Kosciusko St.; architects, J. D. Reynolds & Son, 363 Fulton St.

Van Voorhis St., s. s. 100' e Evergreen Ave., 6 two-sty frame dwells., tar and gravel roofs; cost, \$2,000 each; owner, Wm. N. Brown; architect, V. K. Case, 257 McDougal St.

Elton St., w. s. 375' n Arlington Ave., 2 two-sty frame dwells., shingle roofs; cost, \$7,900; owner, architect and builder, Howard N. Acker, 177 Elton St.

Cornelia St., n. s. 84' e Central Ave., 24 two-sty frame dwells., tin roofs; cost, \$2,800 each; owner, architect and builder, C. W. Raymond, 184 Cornelia St.

Covert St., n. s. 100' w Evergreen Ave., 3 two-sty frame dwells., tin roofs; cost, \$2,800 each; owner, architect and builder, C. W. Raymond, 184 Cornelia St.

Buffalo Ave., w. s. 63' 10" s Bergen St., 4 two-sty frame dwells., tin roofs; cost, \$2,500 each; owners, Van Doon & Taylor, 126 Buffalo Ave.; architect, N. A. Taylor, 126 Buffalo Ave.

Hemlock St., e. s. 200' s Griffin Pl., 2 two-sty frame dwells., shingle roofs; cost, \$2,000 each; owner, August H. King, Hemlock St., near Jamaica Ave.

St. Mark's Ave., n. s. 250' e Buffalo Ave., 6 two-sty frame dwells., gravel roofs; cost, \$2,000 each; owner and architect, J. F. Keutana, 716 Fourth Ave.

Eldert St., s. s. 221' w Evergreen Ave., 2 two-sty frame dwells., tin roofs; cost, \$2,800 each; owner, architect and builder, C. W. Raymond, 184 Cornelia St.

Chicago, Ill. — Frank Mich, two-sty dwell., 6616 Wright St.; cost, \$3,000.

G. K. Wentworth, 2 three-sty dwells., 622-624 Fifth St.; cost, \$10,000.

E. P. Hilliard, two-sty dwell., Ninety-fourth St. and Pleasant Ave.; cost, \$3,000.

J. M. Whitman, three-sty dwell., 1309 Washington Boulevard; cost, \$23,000.

F. E. Cobb, two-sty dwell., 5616-5618 Monroe Ave.; cost, \$5,000.

C. J. Carlson, 3 two-sty dwells., 913-917 Green St.; cost, \$9,000.

D. Rubens, 2 two-sty dwells., Elmer St. near Eighty-second St.; cost, \$3,600.

J. B. Inderlieden, four-sty dwell., 553 North State St.; cost, \$20,000.

A. Montgomery Ward, 3 three-sty dwells., 124-128 Forty-seventh St.; cost, \$25,000.

T. B. Wisdom, two dwells., 7606-7608 Wright St.; cost, \$4,000.

Cincinnati, O. — W. A. Shoemaker, two-and-one-half-sty frame dwell., Considine St.; cost, \$4,000; architect, J. P. Stieler.

Peter Schlig, two-and-one-half-sty frame dwell., Edgewood St., cor. Powers St.; cost, \$2,800; architect, J. A. Geisman.

P. M. Bigney, owner and architect, two-and-one-half-sty frame dwell., Gilbert Ave.; cost, \$4,000.

W. M. Angle, two-sty frame dwell., Harvard Ave.; cost, \$3,000; architect, George B. Granger.

J. N. Haley, owner and architect, two-and-one-half-sty frame dwell., South Elm St.; cost, \$5,500.

Mrs. Mary Meyer, two-and-one-half-sty frame dwell., Glendora St.; cost, \$2,500; architects, Rieg & Marty.

M. Marcus, double two-and-one-half-sty brick and stone dwell., John St.; cost, \$4,000; architect, S. S. Godley.

Wm. P. Bell, 4 two-sty brick and stone dwells., Mad Anthony St.; cost, \$2,200; architect, John Stephenson.

John Holme, two-and-one-half-sty brick and stone dwell., Sturm St.; cost, \$3,775; architect, Louis Pike.

Christian Boss, two-and-one-half-sty brick and stone dwell., MacMillan St.; cost, \$8,000; architect, A. O. Elzner.

F. A. Stegner, two-and-one-half-sty brick and stone dwell., Oak and Bellevue Sts.; cost, \$5,000; architect, W. W. Franklin.

William G. Williams, owner and architect, 4 two-sty frame dwells., Gilbert Ave.; cost, \$8,000.

Jas. W. Jaynes, two-and-one-half-sty brick and stone dwell., Glendora Ave.; cost, \$2,800; architect, W. L. Lawrence.

Jos. Kleine, two-and-one-half-sty brick and stone dwell., Kleine St.; cost, \$8,000; architect, J. J. Rueckert.

Jos. S. Voss, two-and-one-half-sty brick and stone dwell., Myrtle Ave.; cost, \$9,500; architect, J. J. Rueckert.

Germantown, Pa. — Upsal St., Ohio River brick dwell., green slate roof; English style; owner, Mrs. Evans.

Great Falls, Montana. — Three frame dwells. of various designs, each about 24' x 45'; six rooms each; owners, Land Improvement Co.; contract to be let; architect, J. F. Eaton, Boston.

Jamaica Plain, Mass. — Near Centre St., frame dwell., 30' x 45'; owner, W. B. Blakemore; builder, M. A. Blanchard; architects, Longfellow, Alden & Harlow, Boston.

McKeessport, Pa. — Dwell. for W. A. Keely.

Sixth Ave., four dwells. for George M. Sippig; cost, \$3,500 each; architect, Vincent Wyes.

East End, five dwells. for George M. Sippig; cost, \$1,500 each; architect, Vincent Wyes.

New York, N. Y. — Perry St., Nos. 167-169, 2 five-sty frame dwells., plank covered with tin sheets; cost, \$44,000; owner, Henry Schlobohm, 9 Charles St.; architect, Emil Gruve, 17 West Thirtieth St.

Boston Ave., n. w. cor. George St., 2 three-sty brick dwells., mansard slate and tin roof; cost, \$10,000; owner, George Shepherd, 322 West Twenty-first St.;

architect, Joseph M. Dunne, 30 East Twenty-third St.

Cauldwell Ave., w. s. 100' s One Hundred and Sixty-fifth St., three-sty brick and frame dwell., tin roof; cost, \$5,500; owner, Geo. Parbogat, Prospect Ave. and One Hundred and Sixty-fifth St.; architect, M. J. Garvin, 331 Third Ave.

One Hundred and Thirty-fourth St., s. s. 100' e Cypress Ave., three-sty stone and frame dwell., tin roof; cost, \$4,000; owner, Augustus Gareiss, 907 East One Hundred and Thirty-fourth St.; architect, Augustus Gareiss, Jr., 630 East One Hundred and Forty-second St.

One Hundred and Thirty-fourth St., s. s. 120' e Cypress Ave., 4 two-sty brick dwells., tin roofs; cost, \$12,000; owner, Augustus Gareiss, 907 East One Hundred and Thirty-fourth St.; architect, Augustus Gareiss, Jr., 630 East One Hundred and Forty-second St.

Grand Ave., s. e. cor. Evelyn Pl., three-sty brick and frame dwell., peak shingle roof; cost, \$4,000; owner, Frances Young, 481 East One Hundred and Forty-third St.; architect, E. N. Unruh, 49 East One Hundred and Twenty-eighth St.

One Hundred and Sixty-ninth St., s. s. 50' w Boston Ave., three-sty brick and frame dwell., peaked slate and tin roof; cost, \$5,000; owner, Richard O'Connor, 676 East One Hundred and Fortieth St.; architect, Luke A. Burke, 51 Chambers St.

One Hundred and Forty-ninth St., n. s. 90' w Mott Ave., 6 three-sty brick dwells., tin roofs; cost, \$36,000; owner, Jane Van Cleve, 588 Mott Ave.; architect, Garret Van Cleve, 588 Mott Ave.

Crotona Ave., n. e. cor. Elwood Pl., two-sty brick and frame dwell., tin roof; cost, \$3,500; owner, Martin Paparazinsky, 637 East One Hundred and Thirty-seventh St.; architect, Charles McKinney, Morris Heights.

One Hundred and Forty-ninth St., 226' w Courtlandt Ave., 3 three-sty brick and frame dwells., tin roofs; cost, \$9,000; owner, John Rehm, Westchester Ave. and Bronx River; architect, C. F. Lohse, 3055 Third Ave.

Andrews Ave., w. s. 250' n Hampton St., three-sty stone and frame dwell., peak shingle roof; cost, \$7,000; owner, Stephen C. Hunter, 181 Lexington Ave.; architects, C. V. Folin & Son, Fordham, N. Y.

One Hundred and Sixty-first St., n. s. 250' e Morris Ave., three-sty stone and frame dwell., tin roof; cost, \$6,000; owner, Edwin Fisher, 631 East One Hundred and Fortieth St.; architect, M. J. Garvin, 331 Third Ave.

One Hundred and Sixty-fourth St., s. s. 90' w Fleetwood Ave., 6 three-sty brick and frame dwells., tin roofs; cost, \$27,000; owner, A. Dooper, East One Hundred and Fiftyeth St., near Melrose Ave.; architect, Anthony F. A. Schmitt, 606 Courtland Ave.

Eighty-seventh St., s. s. 220' e Columbus Ave., 6 four-sty brick dwells., slate roofs; cost, \$162,000; owners, Henry E. Cook and Chas. Buck, Greenwich and Westport, Conn.; architects, Chas. Buck & Co., 264 Columbus Ave.

Creston Ave., e. s. 50' n Primrose St., three-sty brick and frame dwell., peak, tin and slate roof; cost, \$10,000; owner, B. F. Cohen, Highbridge Road, N. Y.; architect, A. B. Marshall, 2381 Bainbridge Ave.

Wadsworth Ave., w. s. 250' s One Hundred and Seventy-ninth St., three-sty brick and frame dwell., tin roof; cost, \$8,500; owner, William W. Walkins, 236 East One Hundred and Eighteenth St.; architect, Walter H. C. Hornum, 150 East One Hundred and Twenty-fifth St.

Pittsburgh, Pa. — Near Penn Ave., three frame dwells.; owner, Mrs. Thomas Carnegie; contracts to be let; architects, Longfellow, Alden & Harlow, Boston.

Brick dwell.; owner, Mr. Dravo; contract to be let; architects, Longfellow, Alden & Harlow, Boston.

Frame dwell.; owner, J. F. S. Winans; builder, Mr. Krussler; architects, Longfellow, Alden & Harlow, Boston.

Ridley Park, Pa. — Three-sty brick dwell., shingle roof; owner, Charles Faligan; architect, P. A. Welsh, Esq., 429 Walnut St., Philadelphia, Pa.

Sewickley (near Pittsburgh), Pa. — Frame dwell.; owner, Mr. Semple; contract to be let; architects, Longfellow, Alden & Harlow, Boston.

South Bethlehem, Pa. — Dwell., colonial style; cost, abt. \$10,000; owner, Mr. Harry Weiss; architect, A. W. Leh, 214 Second St.

Brick and stone dwell.; owner, F. L. Nadler; architect, A. W. Leh, 214 Second St.

St. Louis, Mo. — Two-sty brick dwell.; cost, \$3,000; owner and contractor, Wm. Blase.

Two-sty brick dwell.; cost, \$4,500; owner, J. Boyd; contractor, O. Rauschenbach.

Two-sty brick dwell.; cost, \$4,700; owner, J. A. Tomb; contractor, J. Kohlmeier.

Three-sty brick dwell.; cost, \$5,000; owner, J. Kemp; contractor, A. W. Heimbarger.

Two-sty brick dwell.; cost, \$5,000; owner and contractor, C. H. Sudhoelter.

Five two-sty brick dwells.; cost, \$29,000; owner and contractor, B. M. Proetz.

Two two-sty brick dwells.; cost, \$5,000; owner, O. Rudrof; contractors, Herby Bros.

Nine adj. two-sty brick dwells.; cost, \$25,000; owner, J. M. Carpenter; contractor, T. J. Kelly.

Two-and-one-half-sty brick dwell.; cost, \$7,000; owner, P. P. Green; contractor, T. J. Kelly.

Two-sty brick dwell.; cost, \$5,000; owner, Dr. E. Younklin; contractors, Bowler & Dinsmore.

Two-sty brick dwell.; cost, \$3,000; owner, W. J. Lewis; contractor, Jos. Woelker.

Two-sty brick dwell.; cost, \$3,000; owner and contractor, Jos. Woelker.

Three-sty brick dwell.; cost, \$3,600; owner, Miss Clara Schute; contract sub-let.

Two-sty brick dwell.; cost, \$4,000; owner, E. A. Hauk; contractor, B. Stock.

Two-sty brick dwell.; cost, \$4,500; owner, Carrie Bradburn; contractor, P. J. Bradburn.

Two-sty brick dwell.; cost, \$6,000; owner, Anna Jaeger; contractor, W. Gahl & Co.

Two-sty brick dwell.; cost, \$6,500; owner, Mary Bleyer; contractor, J. H. Keefe.

Two-sty brick dwell.; cost, \$2,500; owner, C. Walter; contract sub-let.

Two-sty brick double dwell.; cost, \$5,000; owner, F. Lamwersieck; contractor, Aug. Fick.

Two three-sty brick double dwells.; cost, \$11,200; owner, Miss Clara Schute; contract sub-let.

Three-sty brick double dwell.; cost, \$4,200; owner, A. Wenesfaki; contractor, B. Stock.

Two-sty brick dwell.; cost, \$3,000; owner, M. Murphy; contractor, E. Murphy.

Two-sty brick dwell.; cost, \$4,500; owner, J. Feerty; contractor, Jno. D. Exnicious.

Two-sty brick dwell.; cost, \$5,000; owner, Wm. Lucas; contractors, F. H. Gray & Bro.

Two-sty brick dwell.; cost, \$4,000; owner, H. McGuire; contractor, J. J. McMahon.

Seven two-sty brick dwell.; cost, \$28,600; owner, L. J. Silva; contractor, J. A. Smith.

Two-sty brick dwell.; cost, \$4,000; owner and contractor, A. Bauer.

Two-sty brick dwell.; cost, \$3,000; owner and contractor, C. H. Poertner.

Two two-sty brick dwells.; cost, \$8,000; owner, J. Murphy; contractor, J. Schenk.

Three-sty brick dwell.; cost, \$6,000; owner, M. Stietz; contractor, J. P. Richers.

Two-sty brick dwell.; cost, \$2,800; owner, E. A. Danner; contractors, W. J. Britt & Sons.

Two two-sty brick dwell.; cost, \$8,000; owner and contractor, E. J. Walters.

Two-sty brick dwell.; cost, \$6,000; owner, G. Bechtel; contractors, W. Riewe & Son.

Two-sty brick dwell.; cost, \$5,000; owner, J. Siegart; contractors, W. Riewe & Son.

Three-sty brick dwell.; cost, \$15,000; owner, G. J. Fritz; contractors, B. Weber & Son.

Three-sty brick dwell.; cost, \$10,000; owner and contractor, F. Fehlig.

Three-sty brick dwell.; cost, \$4,200; owner, M. Wolf; contractor, J. C. Toma.

Two-sty brick dwell.; cost, \$2,500; owner and contractor, E. Hopf.

Two-sty brick dwell.; cost, \$5,800; owner, M. Griffin; contractor, T. H. Busey.

Two-sty brick dwell.; cost, \$5,300; owner, J. R. Hickman; contractor, T. H. Busey.

Two-sty brick dwell.; cost, \$5,000; owner and contractor, Geo. B. Kied.

Two two-sty brick dwells.; cost, \$14,000; owner A. J. Naughton; contractor, J. Low.

Two-sty brick dwell.; cost, \$3,200; owner, Wm. Byersbach; contractor, C. Dougherty.

Two-sty brick dwell.; cost, \$6,000; owner, P. Mwig; contractor, T. J. Quinn.

Two-sty brick dwell.; cost, \$2,500; owner, A. Katsfrsky; contractor, A. Voss.

Two-sty brick dwell.; cost, \$3,000; owner, O. Fruegenapan; contractor, R. J. Loyd.

Two-sty brick dwell.; cost, \$2,500; owner, F. Piepe; contractor, W. Schwieger.

Two-sty brick dwell.; cost, \$3,000; owner and contractor, W. W. Keane.

Two two-sty brick dwells.; cost, \$13,800; owner and contractor, G. Newkum.

Three-sty brick dwell.; cost, \$5,000; owner, Miss Blockmann; contractor, G. Newkum.

Two-sty brick dwell.; cost, \$5,000; owner, T. Turweann; contractor, W. Pawlun.

Two-sty brick dwell.; cost, \$3,500; owner, S. W. Mass; contractor, J. W. Riley.

Two-sty brick dwell.; cost, \$4,000; owner, J. Miller; contractors, Stevens & Miller.

Two-sty brick dwell.; cost, \$5,000; owner, H. C. Hyman; contractor, Chris. Frieling.

Two-sty brick dwell.; cost, \$4,000; owner, Miss Rowe; contractor, Chris. Frieling.

Two-sty brick dwell.; cost, \$3,500; owner, Thos. Demmy; contractor, E. Howland.

Two-sty brick dwell.; cost, \$3,800; owner, Eliza Barret; contractor, C. D. Ogden.

Two-sty brick dwell.; cost, \$3,000; owner, F. W. Brickenkamp; contractor, F. W. Klute.

Two-sty brick dwell.; cost, \$10,000; owner, L. Mesman; contractor, G. Meglitch.

Two two-sty brick dwells.; cost, \$6,000; owners and contractors, Banker & Edwards.

Two-sty brick dwell.; cost, \$5,000; owner, Mt. Cabanne Christian Church; contractor, Rev. O. Bartholomew.

Two-sty brick dwell.; cost, \$4,800; owner, H. Hauser; contractor, A. Fenner.

Two-sty brick dwell.; cost, \$4,000; owner and contractor, H. Harkins.

Three-sty brick dwell.; cost, \$4,000; owner, Jno. Huhn; contractor, C. Wehking.

Two two-sty brick dwells.; cost, \$12,000; owner, Hy. Babcock; contractor, T. J. Busey.

Two-sty brick dwell.; cost, \$4,500; owner, F. E. Coester; contractor, W. C. Popp.

Three two-sty brick dwells.; cost, \$11,400; owner and contractor, J. E. Earle.

Two-sty brick dwell.; cost, \$3,500; owner, Emma Knight; contractors, W. P. Sloss & Bro.

Two-sty brick dwell.; cost, \$3,500; owner, E. B. Schultz; contractors, W. P. Sloss & Bro.

Three two-sty brick dwells.; cost, \$7,500; owners and contractors, P. Schwiete & Bro.

Two-sty brick dwell.; cost, \$4,000; owner and contractor, W. L. Dunham.

Three-sty brick dwell.; cost, \$3,500; owner, P. Bauer; contractor, H. Bauer.

Two-sty brick dwell.; cost, \$2,500; owner, H. W. Ruehaus; contractor, Hy. Schwildwan.

Two-sty brick dwell.; cost, \$2,500; owner, Louisa Sleding; contractor, Hy. Schwildwan.

Three-sty brick dwell.; cost, \$6,000; owner, John White; contractor, Dennis Creggan.

Three-sty brick dwell.; cost, \$1,382; owner, Wm. Henkel; contractors, Mathis & Schneider.

Two-sty brick dwell.; cost, \$3,000; owner and contractor, German Neukum.

Two-sty brick dwell.; cost, \$5,000; owner, W. Lonergan; contractors, Kerr & Alleir.

OFFICE-BUILDINGS.

New York, N. Y. — East Fifty-fifth St., No. 407, two-sty brick office-building, tin roof; cost, \$10,000; owner, Peter Doelger, Fifty-fifth St. near First Ave.; architect, J. Kastner, 744 Broadway.

Broadway, Nos. 64-68, running through to 17 and 19 West St., twelve-sty fireproof office-building; owner, Manhattan Life Insurance Co.

SCHOOL-HOUSES.

Baltimore, Md. — The Woman's College of Baltimore will build four-sty brick and stone building, n. w. cor. Charles and Twenty-third Sts., and three-sty stone building, n. e. cor. St. Paul and Fifth Sts.

New York, N. Y. — Chrystie St., s. e. cor. Hester St., four-sty brick school, tin roof; cost, \$155,000; owner, City of New York; architect, C. B. J. Snyder, 146 Grand St.

Sherman, Texas. — The Christian College contemplates a building to cost about \$40,000.

Waxahachie, Texas. — The building of \$7,500 school building is contemplated.

STABLES.

Brooklyn, N. Y. — Waverly Ave., s. s. 230' n Atlantic Ave., two-sty brick stable, gravel roof; cost, \$6,000;



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BUILDING INTELLIGENCE.

owners, Reid Ice Cream Co., 858 Fulton Ave.; architect, George Lowden, 858 Fulton Ave.

Third Ave., w s, 60' 2" x 40' 2" n Forty-first St., two-sty brick stable and dwell., tin roof; cost, \$9,514; owner, Jacob Schaefer, 1012 Third Ave.; architect, Thomas Bennett, Fifty-seventh St. and Fourth St.

Somerville, Mass.—Edmonds St., frame stable, 22' x 25'; owner, G. H. Hamilton; builder, Chas. White. Jenny Lind Ave., No. 46, frame stable, 18' x 20'; owner, Mrs. Harriet Jordan.

St. Louis, Mo.—Two-sty brick stable; cost, \$8,000; owner, W. F. Nolker; contractors, Bothe & Ratermann.

Worcester, Mass.—Mayfield St., frame stable; owner, L. V. K. Van de Mark; day-work.

Paine St., frame stable; owner, P. Donnell; day-work.

STORES.

Boston, Mass.—Boylston Ave., No. 55, Ward 23, one-sty frame store, flat roof, 22' x 35'; owner, John Imberschied.

Brooklyn, N. Y.—Fifth Ave., No. 132, four-sty brick store and dwell., tin roof; cost, \$10,000; owners, Donovan & Henn, 131 Fifth Ave.; architect, Jacob Roth, 693 Sackett St.

Moore St., n s, 201' w White St., three-sty frame store and dwell., tin roof; cost, \$4,000; owner, Chas. Diemer, 383 Bushwick Ave.; architect, E. Schrempf, 36 Monteth St.

Watkins St., n w cor. Sutter Ave., three-sty frame store and dwell., tin roof; cost, \$8,500; owner and builder, Joseph Morris, Osborn St., near Belmont St.

Jay St., s w cor. Tillary St., four-sty brick store and dwell., tin roof; cost, \$6,000; owner, Henry McDonna, 13 Myrtle Ave.; architect, Carl F. Eisenach, 59 Court St.

Decatur St., s e cor. Saratoga Ave., three-sty brick store and dwell., tin roof; cost, \$10,000; owner, Emma E. Butler, Hempstead, L. I. Irving Ave., s e cor. Harmon St., 4 three-sty frame stores and dwells., tin roofs; cost, \$4,800 and \$4,400 each; owners and builders, John Dreher & Co., 295 Wyckoff Ave.; architect, John Dreher, 295 Wyckoff Ave.

Humboldt St., s w cor. Withers St., three-sty frame store and dwell., tin roof; cost, \$5,000; owner, August Giesen, opposite premises; architect, D. Acker & Son, 752 Broadway.

Cornelia St., n e cor. Central Ave., three-sty frame store and dwell., tin roof; cost, \$6,000; owner, Edward W. Davis, 133 Jefferson Ave.

Putnam Ave., n e cor. Broadway, three-sty brick store and dwell., tin roof; cost, \$12,000; owner, Adrian M. Suydam, Woodbine and Evergreen Aves.; architects, J. D. Reynolds & Son, 363 Fulton St.

Bridge St., w s, 100' n Fulton St., five-sty brick store, gravel roof; cost, \$10,000; owner, architect and builder, O. K. Buckley, 404 Bridge St.

Madison St., s w cor. Knickerbocker Ave., three-sty frame store and dwell., tin roof; cost, \$5,000; owner and architect, A. Berckmeier, 101 Ralph St.

Cook St., s s, 25' e Evergreen Ave., 5 four-sty frame stores and dwells., tin roofs; cost, \$5,500 each; owner and builder, Leopold Michel, 171 Graham Ave.; architect, Th. Engelhardt, 905 Broadway.

Osborn St., w s, 100' n Glenmore Ave., 2 three-sty frame stores and dwells., tin roofs; cost, \$6,000 each; owners and builders, Morris & Ruth, Osborn St., near Watkins St.

Minneapolis, Minn.—F. P. Klarquist, three-sty brick block of stores and flats, 201-205 East Lake St.; cost, \$16,000.

New York, N. Y.—Seventy-second St., s w cor. Columbus Ave., four-sty store; owners, Messrs. Park & Tilford.

Duane St., No. 172, six-sty brick store, tin roof; cost, \$22,000; owner, Vanwyke Brukerhoff, 230 Fulton St.; architect, D. T. Atwood, 335 Broadway.

One Hundred and Seventh St., n s, 238' e First Ave., five-sty brick store, tin or gravel roof; cost, \$12,000; owner, William C. Reeber, 409 East One Hundred and Seventh St.; architects, Cleverdon & Putzell, 13 Astor Pl.

St. Louis, Mo.—Two adj. two-sty brick stores; cost, \$15,000; owner, Louisa Beidenstein; contractor, W. C. Popp.

Two-sty brick store and dwell.; cost, \$3,000; owner, A. Boyce; contractor, J. Dischneider.

TENEMENT-HOUSES.

Boston, Mass.—North Margin St., cor. Thatcher St., Ward 7, four-sty brick tenement, flat roof, 25.2' x 84.6'; owner, Michael Slattery; builders, Barker & Dodge.

Cincinnati, O.—Aug. Schulte, three-and-one-half-sty brick and stone tenement-house, Coleman St.; cost, \$5,000; architects, G. & A. Brink.

New York, N. Y.—Eldridge St., No. 10, five-sty brick tenement, tin roof; cost, \$10,000; owners, David Cohen, 36 Pike St., and Isaac Blumberg, 18 Pike St.; architects, Herter Bros., 191 Broadway.

Morris Ave., Nos. 593-601, five-sty brick tenement, tin roof; cost, \$10,000; owner, William Reiss, 603 Morris Ave.; architect, Bart Walther, 230 East One Hundred and Twenty-fifth St.

THEATRES.

Cincinnati, O.—Walnut St. Theatre Company, five-sty brick and stone theatre and hotel; cost, \$125,000; architect, J. B. McPatrick.

WAREHOUSES.

Chicago, Ill.—H. G. Chartrop, six-sty warehouse, 79-81 South Jefferson St.; cost, \$15,000.

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BUILDING INTELLIGENCE.

St. Louis, Mo.—Five-sty brick warehouse; cost, \$17,000; owner, P. Mueller; contract, sub let.

MISCELLANEOUS.

Brooklyn, N. Y.—Greenpoint Ave., ss, 53' 4" e North Henry St., three-sty frame machine shop, gravel roof; cost, \$4,000; owner, Chas. E. Miller, 86 Kent St.; architect, Fred Weber, 299 Manhattan Ave.

Fortieth St., on dock foot of, one-sty frame tin shop, tin roof; cost, \$3,000; owners, Bush & Denolin Manufacturing Co., foot Fortieth St.

Chicago, Ill.—Joseph Sunk, two-sty stock-house, 2704-2706 South Halsted St.; cost, \$35,000.

Cincinnati, O.—Cincinnati Gas Light and Coke Co., one-sty frame chemical works, on river bank; cost, \$3,000; architect, Edward Anderson.

Times Star Co., six-sty brick and stone building for editing of paper, Walnut St.; cost, \$40,000.

Lawrence, Mass.—Amesbury St., three-sty armory building; cost, \$90,000; architects, Waite & Cutter, Boston, Mass.

Minneapolis, Minn.—McCard, Cobb & Gunderson, grain elevator and brick engine-room, Sixth St. and Eighteenth Ave.; cost, \$8,000.

Rochester, N. Y.—Three-sty brick and stone building, cor. North and Hand Sts.; cost, \$15,000; owner, I. I. Augustine; architect, Max C. Diedrich.

St. Louis, Mo.—Five-sty brick spice mill; cost, \$21,000; owners, Steinwender, Stoffregen & Co.; contract not let.

PROPOSALS.

JAIL, ETC.

[At Blakely, Ga.]
Sealed bids will be received at the office of the Clerk of Superior Court of Early County, at Blakely, Ga., until 11 o'clock A. M. Tuesday, March 15, 1892, for furnishing material and building a sheriff's residence and county jail, of brick, for said county.

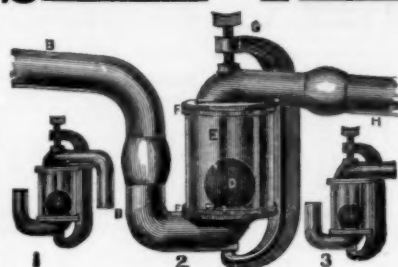
For further information address at once
EARLY COUNTY NEWS,
846 Blakely, Ga.

March 5, 1892. Sealed proposals will be received at the office of the Supervising Architect, Treasury Department, Washington, D. C., until two o'clock P. M., on the 5th day of April, 1892, and opened immediately thereafter, for all the labor and materials required to put in place complete the iron columns, steel and iron floor, ceiling and roof construction, skylight roof complete, etc., for the United States Custom-house and Post-office building at Newark, N. J., in accordance with the drawings and specification, copies of which may be had at this office or the office of the Superintendent at Newark, N. J. 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. All bids received after the time stated will be returned to the bidder. Proposals must be enclosed in envelopes sealed and marked "Proposal for the Iron Columns, Steel and Iron Floor, Ceiling and Roof Construction for the United States Custom-house and Post-office building at Newark, N. J.," and addressed to W. J. EDBROOKE, Supervising Architect.

March 3, 1892. Sealed proposals will be received at the office of the Supervising Architect, Treasury Department, Washington, D. C., until 2 o'clock P. M. on the 22d day of March, 1892, and opened immediately thereafter, for furnishing and delivering at freight depot in city where required, safes for the United States Government Building at the following places: Boston, Mass., Brooklyn, N. Y., Ellis Island, N. Y. H., Kalamazoo, Mich. and Key West, Fla., in accordance with the specification, copies of which may be had at this office. Bids for one or more of the safes 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; all proposals received after the time stated will be returned to the bidder. Proposals must be enclosed in envelopes sealed and marked "Proposals for Safes for United States Government Buildings," and addressed to W. J. EDBROOKE, Supervising Architect.

March 8, 1892. Sealed proposals will be received at the office of the Supervising Architect, Treasury Department, Washington, D. C., until 2 o'clock P. M. on the 8th day of April, 1892, and opened immediately thereafter, for all the labor and material required for the decorative painting, frescoing, lettering, etc., in the United States Court-house, Post-office, etc., building at Auburn, N. Y., in accordance with drawings and specification, copies of which may be had on application at this office and the office of the Custodian at Auburn, N. Y. 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. All proposals received after the time stated will be returned to the bidder. Proposals must be enclosed in envelopes sealed and marked "Proposal for Decorative Painting, Frescoing, Lettering, etc., in the United States Court-house, Post-office, etc., building at Auburn, N. Y.," and addressed to W. J. EDBROOKE, Supervising Architect.

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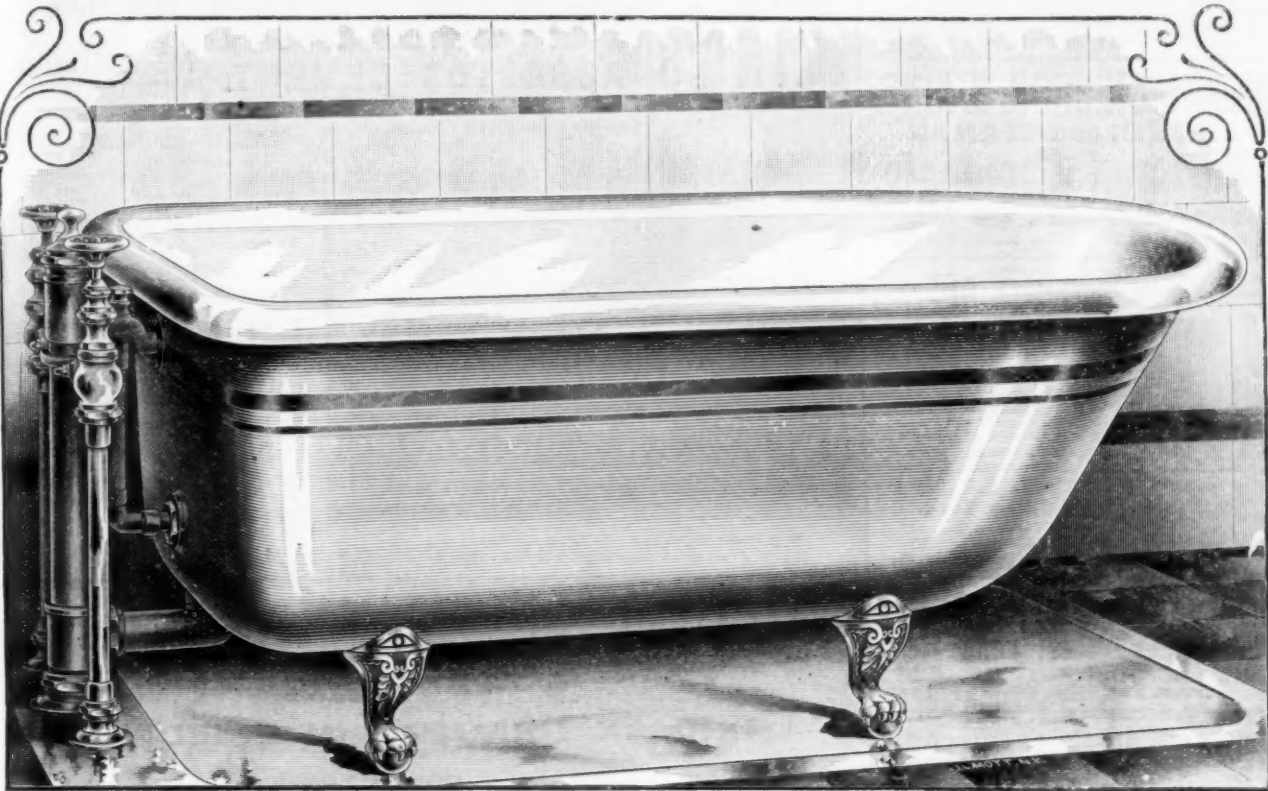


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[See Alphabetical Index on page VII for Pagination.]

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| Brick (Ornamental).
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Samuel H. Frenen & Co., Philadelphia..... |
| Brick (Ornamental).
Fleming Cement & Brick Co., New York (cow) | Door-Knobs.
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Capital Heating Co., Detroit, Mich..... | Mosaic. A. Boote, New York..... |
| Brick (Ornamental).
Fleming Cement & Brick Co., New York (cow) | Door-Knobs.
J. Burdett, New York, N. Y..... | Insulated Wire.
The International Onkote Co., (Ltd.) New | Oils.
Atlantic White Lead and Linseed Oil Co. |
| Brick (Ornamental).
Fleming Cement & Brick Co., New York (cow) | Door-Knobs.
J. Burdett, New York, N. Y..... | Insurance.
American Fire Ins. Co., Phila., Pa..... | New York..... |
| Brick (Ornamental).
Fleming Cement & Brick Co., New York (cow) | Door-Knobs.
J. Burdett, New York, N. Y..... | Insurance.
Continental Insurance Co., N. Y..... (cow) | Oil Finish.
Berry Bros., Detroit, Mich..... (cow) |
| Brick (Ornamental).
Fleming Cement & Brick Co., New York (cow) | Door-Knobs.
J. Burdett, New York, N. Y..... | Insurance.
New England Mutual Accident Association..... | Paint.
F. W. Devos & Co., New York..... (cow) |
| Brick (Ornamental).
Fleming Cement & Brick Co., New York (cow) | Door-Knobs.
J. Burdett, New York, N. Y..... | Iron-Work (Architectural).
Belmont Iron Works, Philadelphia, Pa..... (cow) | Patent Lawyers.
Howson & Howson, Philadelphia..... (cow) |
| Brick (Ornamental).
Fleming Cement & Brick Co., New York (cow) | Door-Knobs.
J. Burdett, New York, N. Y..... | Iron-Work (Architectural).
Belmont Iron Works, Philadelphia, Pa..... (cow) | Pens.
The Esterbrook Steel Pen Co., New York, |
| Brick (Ornamental).
Fleming Cement & Brick Co., New York (cow) | Door-Knobs.
J. Burdett, New York, N. Y..... | Iron-Work (Architectural).
Belmont Iron Works, Philadelphia, Pa..... (cow) | N. Y..... |
| Brick (Ornamental).
Fleming Cement & Brick Co., New York (cow) | Door-Knobs.
J. Burdett, New York, N. Y..... | Iron-Work (Architectural).
Belmont Iron Works, Philadelphia, Pa..... (cow) | Photographs.
J. W. Taylor, Chicago, Ill..... |
| Brick (Ornamental).
Fleming Cement & Brick Co., New York (cow) | Door-Knobs.
J. Burdett, New York, N. Y..... | Iron-Work (Architectural).
Belmont Iron Works, Philadelphia, Pa..... (cow) | Photographic Outfits.
E. & H. T. Anthony & Co., New York, N. Y..... |
| Brick (Ornamental).
Fleming Cement & Brick Co., New York (cow) | Door-Knobs.
J. Burdett, New York, N. Y..... | Iron-Work (Architectural).
Belmont Iron Works, Philadelphia, Pa..... (cow) | Plaster.
Adamant Mfg. Co., Syracuse, N. Y..... (mon) |
| Brick (Ornamental).
Fleming Cement & Brick Co., New York (cow) | Door-Knobs.
J. Burdett, New York, N. Y..... | Iron-Work (Architectural).
Belmont Iron Works, Philadelphia, Pa..... (cow) | Plastic Ornament.
N. Lombard, Boston..... |
| Brick (Ornamental).
Fleming Cement & Brick Co., New York (cow) | Door-Knobs.
J. Burdett, New York, N. Y..... | Iron-Work (Architectural).
Belmont Iron Works, Philadelphia, Pa..... (cow) | Plumbers. T. H. Duggan, Boston..... |
| Brick (Ornamental).
Fleming Cement & Brick Co., New York (cow) | Door-Knobs.
J. Burdett, New York, N. Y..... | Iron-Work (Architectural).
Belmont Iron Works, Philadelphia, Pa..... (cow) | Protection of Iron.
Bever-Barr Rustless Iron Co., New York..... |
| Brick (Ornamental).
Fleming Cement & Brick Co., New York (cow) | Door-Knobs.
J. Burdett, New York, N. Y..... | Iron-Work (Architectural).
Belmont Iron Works, Philadelphia, Pa..... (cow) | Pumps (Steam).
H. R. Worthington New York and Boston; .. |
| Brick (Ornamental).
Fleming Cement & Brick Co., New York (cow) | Door-Knobs.
J. Burdett, New York, N. Y..... | Iron-Work (Architectural).
Belmont Iron Works, Philadelphia, Pa..... (cow) | Refractories.
Bailey Refractor Co., Pittsburgh, Pa..... (cow) |
| Brick (Ornamental).
Fleming Cement & Brick Co., New York (cow) | Door-Knobs.
J. Burdett, New York, N. Y..... | Iron-Work (Architectural).
Belmont Iron Works, Philadelphia, Pa..... (cow) | Refractories.
Bailey Refractor Co., Pittsburgh, Pa..... (cow) |
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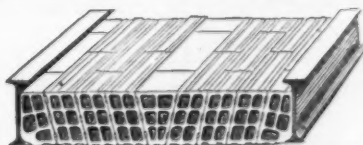
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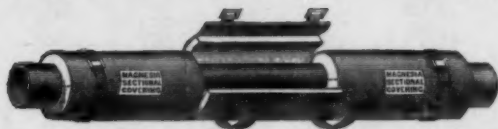
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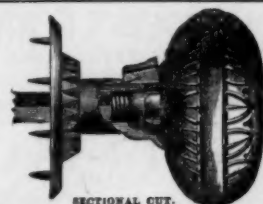
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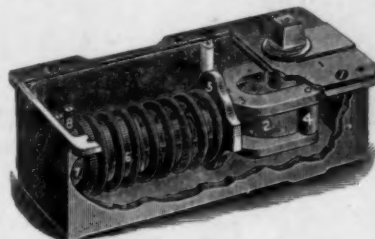
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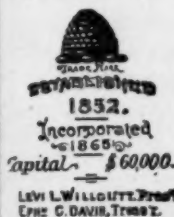
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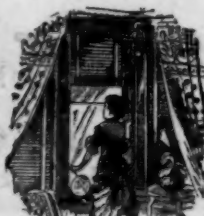
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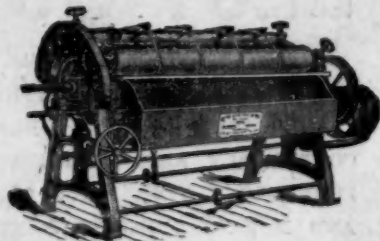
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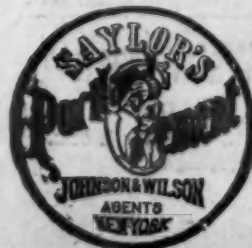
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These tiles are claimed to have superior merits over the clay tiles for the reason that they are much lighter in weight, and when made of copper are practically indestructible, as a copper roof is known to be the most durable roof in the market. The copper itself when removed from the roof has a commercial value which is possessed by no other roofing material when taken off.

The great objection to the clay tiles is their excessive weight as well as liability to breakage, and it is stated that is costs about one-third less to construct the supporting framework for the metal tiles than for those made of clay, which, of course, is an important item in itself.

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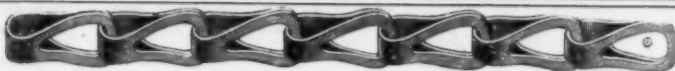
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" 2d quality.....
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Hemlock.....
Yellow pine.....
Cypress.....

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Spruce.....

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Spruce.....
Hemlock.....
Yellow pine.....

Laths:

Pine.....
Spruce.....

Shingles:

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Pine, sawed....."
Spruce, sawed....."
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Cedar sawed....."
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Butternut.....
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" St. Domingo.....

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" white.....
" quartered.....

Sycamore quartered.....
Pine, clear.....
Redwood.....
Rosewood.....

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Walnut, black.....
Whitewood.....
Yellow pine.....P. M.....

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65 00 @ 75 00
55 00 @ 60 00
18 00 @ 22 00
@ 25 00
ea 134 @ 14
20 @ 40
@

@
@

14 00 @ 18 00
12 00 @ 16 00
18 00 @ 21 00

@
2 75 @ 3 00

5 00 @ 6 00
4 00 @ 5 00
1 50 @ 2 00
1 40 @ 1 60
@
@
18 00 @ 20 00

44 @ 54
8 00 @ 10 00
@
@

@ 55 00
80 00 @ 120 00
40 00 @ 60 00

@ 180 00
@ 350 00
45 00 @ 50 00
@ 70 00
@ 70 00
@ 30 00

65 00 @ 70 00
60 00 @ 70 00
@
@
125 00 @ 150 00
45 00 @ 50 00
@ 45 00

45 00 @ 60 00
90 00 @ 120 00
60 00 @ 70 00
45 00 @ 50 00
150 00 @ 160 00
120 00 @ 350 00
45 00 @ 50 00
@ 50 00
50 00 @ 55 00
65 00 @ 75 00
50 00 @ 65 00
50 00 @ 75 00
60 00 @ 70 00
32 00 @ 35 00
85 00 @ 120 00
40 00 @ 45 00
40 00 @ 42 00

60 00 @ 60 00
30 00 @ 35 00
20 00 @ 25 00
9 00 @ 21
Not sold.

45 00 @ 60 00
30 00 @ 35 00
20 00 @ 25 00
9 00 @ 21
Not sold.

45 00 @ 60 00
30 00 @ 35 00
20 00 @ 25 00
9 00 @ 21
Not sold.

Boston.

(Prices to Builders and Contractors.)

50 00 @ 60 00
42 00 @ 50 00
35 00 @ 40 00
13 50 @ 25 00
13 00 @ 15 00
25 00 @ 35 00
31 00 @ 40 00

38 00 @ 60 00
23 00 @ 35 00

15 00 @ 18 00
14 00 @ 15 00
24 00 @ 35 00

2 25 @ 2 35
2 35 @ 2 50

@
@ 4 50
1 50 @ 2 00
3 75 @ 4 00
@
2 00 @ 4 00
5 00 @ 6 00

10 00 @ 18 00
25 @ 50
25 @ 50

45 00 @ 60 00
90 00 @ 120 00
60 00 @ 70 00
45 00 @ 50 00
150 00 @ 160 00
120 00 @ 350 00
45 00 @ 50 00
@ 50 00
50 00 @ 55 00
65 00 @ 75 00
50 00 @ 65 00
50 00 @ 75 00
55 00 @ 60 00
32 00 @ 35 00
85 00 @ 120 00
40 00 @ 45 00
40 00 @ 42 00

30 00 @ 35 00
80 00 @ 110 00
50 00 @ 60 00

2 10 @ 2 25
Not sold.

2 20 @ 3 00
Not sold.
6 00 @ 7 50
Not sold.
2 00 @ 2 35
3 50 @ 4 00

Not sold.
2 20 @ 3 00
Not sold.
6 00 @ 7 50
Not sold.
2 00 @ 2 35
3 50 @ 4 00

Not sold.
2 20 @ 3 00
Not sold.
6 00 @ 7 50
Not sold.
2 00 @ 2 35
3 50 @ 4 00

Not sold.
2 20 @ 3 00
Not sold.
6 00 @ 7 50
Not sold.
2 00 @ 2 35
3 50 @ 4 00

Chicago.

(Prices to Builders and Contractors.)

30 00 @ 47 00
25 00 @ 28 00
14 00 @ 20 00
Not sold.
@ 12 00
29 00 @ 37 00
@

10 00 @ 22 00
Not sold.

12 00 @ 15 00
Not sold.
10 00 @ 13 00

2 10 @ 2 25
Not sold.

Not sold.
2 20 @ 3 00
Not sold.
6 00 @ 7 50
Not sold.
2 00 @ 2 35
3 50 @ 4 00

Not sold.
2 20 @ 3 00
Not sold.
6 00 @ 7 50
Not sold.
2 00 @ 2 35
3 50 @ 4 00

Not sold.
2 20 @ 3 00
Not sold.
6 00 @ 7 50
Not sold.
2 00 @ 2 35
3 50 @ 4 00

Not sold.
2 20 @ 3 00
Not sold.
6 00 @ 7 50
Not sold.
2 00 @ 2 35
3 50 @ 4 00

Not sold.
2 20 @ 3 00
Not sold.
6 00 @ 7 50
Not sold.
2 00 @ 2 35
3 50 @ 4 00

Not sold.
2 20 @ 3 00
Not sold.
6 00 @ 7 50
Not sold.
2 00 @ 2 35
3 50 @ 4 00

Not sold.
2 20 @ 3 00
Not sold.
6 00 @ 7 50
Not sold.
2 00 @ 2 35
3 50 @ 4 00

Not sold.
2 20 @ 3 00
Not sold.
6 00 @ 7 50
Not sold.
2 00 @ 2 35
3 50 @ 4 00

Not sold.
2 20 @ 3 00
Not sold.
6 00 @ 7 50
Not sold.
2 00 @ 2 35
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
@ 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

30" \$35 @ 40
24" 8 @ 21
20" 35 @ 14
11 00 @ 14 00

9 00 @ 13 00
40 @ 1 25
20 @ 30

30 00 @ 40 00
100 00 @ 120 00
70 00 @ 80 00

150 00 @ 260 00
200 00 @ 400 00
25 00 @ 55 00
45 00 @ 55 00
45 00 @ 55 00
60 00 @ 75 00
57 50 @ 65 00
@ 65 00
60 00 @ 75 00

150 00 @ 200 00
200 00 @ 250 00
18 00 @ 35 00
32 00 @ 48 00
45 00 @ 50 00
45 00 @ 50 00
57 50 @ 65 00
@ 65 00
60 00 @ 75 00

150 00 @ 200 00
200 00 @ 250 00
18 00 @ 35 00
32 00 @ 48 00
45 00 @ 50 00
45 00 @ 50 00
57 50 @ 65 00
@ 65 00
60 00 @ 75 00

150 00 @ 200 00
200 00 @ 250 00
18 00 @ 35 00
32 00 @ 48 00
45 00 @ 50 00
45 00 @ 50 00
57 50 @ 65 00
@ 65 00
60 00 @ 75 00

150 00 @ 200 00
200 00 @ 250 00
18 00 @ 35 00
32 00 @ 48 00
45 00 @ 50 00
45 00 @ 50 00
57 50 @ 65 00
@ 65 00
60 00 @ 75 00

150 00 @ 200 00
200 00 @ 250 00
18 00 @ 35 00
32 00 @ 48 00
45 00 @ 50 00
45 00 @ 50 00
57 50 @ 65 00
@ 65 00
60 00 @ 75 00

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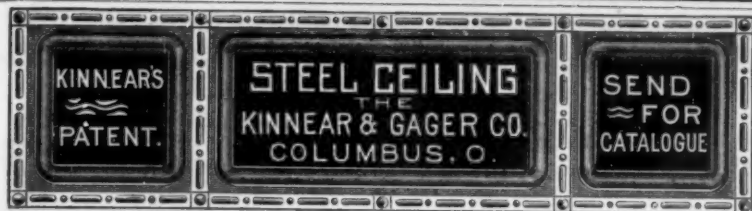
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Jersey.....	5 00 @ 5 50	Bay State Hard	@ 6 50	" @ 7 00
Long Island.....	6 00 @ 6 50	7 00 @ 8 00		Salmon @ 5 00
Up River.....		Domestic Com.		Sq. " @ 9 00
Haverstraw Bay 2d.....		9 50 @ 10 00	Indiana Pressed	Light Stretchers
" 1st.....		Domestic Face	14 00 @ 20 00	@ 10 00
Hollow.....	@ 13 00	20 00 @ 22 00	St. Louis Fronts	Medium " @ 12 00
Fronts:				Red " @ 13 00
Croton, Brown.....	@ 13 00	Philadelphia } 40 00 @ 45 00		Dark " @ 13 00
" dark.....	@ 14 00	Phila. mould }		Pressed @ 13 00
" red.....	@ 14 00	50 00 @ 80 00 }		18 00 @ 20 00
Chicago pressed (Anderson).....			15 00 @ 27 00	Best Paving @ 14 00
" Moulded.....			65 00 @ 350 00	Second " @ 13 00
Baltimore.....	37 00 @ 41 00	Anderson	@ 55 00	Third " @ 12 00
Philadelphia.....	23 00 @ 24 00	14 00 @ 32 00	45 00 @ 50 00	Dom. { @ 65
Trenton.....	22 00 @ 23 00		45 00 @ 50 00	@ 82
Milwaukee.....			25 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			
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Rosendale Cement.....	1 15 @ 1 20	1 20 @ 1 40	Not sold.	1 30 @ 1 50
Louisville.....		Brooks, S. & Co.	1 05 @ 1 30	BS&Co 2 75 @ 3 00
Utica, Akron, Buffalo, Milw'kee.	Not sold.	2 60 @ 3 00	1 00 @ 1 25	2 85 @ 3 25
Portland, English (Gibbs).....	2 50 @ 3 00	2 60 @ 3 00	2 75 @ 3 25	2 85 @ 3 15
" (K. B. & S.).....	2 50 @ 3 00	2 60 @ 3 00	3 00 @ 3 25	2 75 @ 3 00
" " Black Cross.....	2 25 @ 2 50	2 60 @ 3 00	3 00 @ 3 25	2 85 @ 3 15
" " (Burnham).....	2 80 @ 2 80	2 60 @ 3 00	2 90 @ 3 15	2 75 @ 2 85
" " (White's).....	2 65 @ 3 00	2 60 @ 3 00	3 00 @ 3 25	
" French (Lafarge).....	3 60 @ 3 75	@ 5 00	3 75 @ 4 25	Hemmoor
" German (Alsen).....	2 90 @ 3 25	3 00 @ 3 50	@ 3 20	2 50 @ 2 75
" (Fewer).....	2 25 @ 2 40	3 15 @ 3 35	3 20 @ 3 40	2 75 @ 2 85
" (Vorwöhler).....	2 50 @ 2 90			
" (Lagerdorff).....	2 90 @ 3 25	Cleopatra	2 75 @ 3 00	Josson
" (Hanover).....	2 50 @ 3 00	3 00 @ 3 50	3 25 @ 3 50	2 60 @ 2 75
" Stettin (Anchor)	2 35 @ 2 85		Not sold.	3 00 @ 3 25
" American (Saylor's).....	2 15 @ 2 45	2 15 @ 2 50	Not sold.	2 75 @ 2 85
Roman.....	2 75 @ 3 00	@ 3 00	2 75 @ 3 00	2 70 @ 3 00
Keene's coarse.....	5 75 @ 6 50	@ 6 00	2 75 @ 3 25	3 00 @ 3 50
" superfine.....	9 25 @ 10 25	@ 11 50	6 00 @ 7 00	6 50 @ 7 00
Lime:			9 00 @ 10 50	8 00 @ 9 00
Lime of Tell.....	3 50 @ 4 00			
Hydraulic Lime.....	@ 1 45	@ 1 35	Not sold.	White Lime bush
Chicago Lime in bulk.....		St. John 1 00	55 @	25 @ 30
Wisconsin Lime.....	@ 85	@ 1 05	60 @	White Mash
Rockland and Rockport, (Com.)..	@ 1 00	@ 1 10	Not sold.	1 25 @ 1 50
Rockland and Rockport, finish..	@ 1 20	@ 1 20	Not sold.	1 00 @ 1 00
Kelley Island Lime, finish.....	@ 85	Not sold.	1 00 bulk, 75c.	
State, com. cargo rates (nom.)..	@ 1 05	Not sold.	Not sold.	
State, finishing.....	1 20 @ 1 25	1 85 @ 2 00	Not sold.	
Plaster of Paris (calcined).....	1 30 @ 1 35	@ 2 25	1 85 @ 1 90	Not sold.
" (casting).....	16 @ 18	25 @ 30	1 85 @ 1 90	1 60 @ 2 25
Hair (Cattle) bush.....	25 @ 28	@ 30	20 @ 25	1 75 @ 2 50
" (Goat).....	1 00 @ 1 25	1 75 @ 1 90	30 @ 35	20 @ 25
Sand, P load.....			@ 60	30 @ 35
STONE. (P cubic foot, rough.)				@ 1 50
Granite: (Maine)		@ 60		
Limestone:				
Bedford.....	45 @ 1 25	95 @ 1 00	50 @	75 @ 90
Joliet.....	@ 1 00		35 @ 55	Richmond
Lemont.....	@		35 @ 60	75 @ 1 50
Serpentine.....	@		@ 1 00	P Parah @ 4 50

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Colorific p lb.	@ 2 1/2	@	@	@
Red p lb.	@ 3	@	@	@
White p bbl.	@ 1 75	@	@	@
Foundation:				
Dimension.	@	5 00 p ton.	20 @	@ 5 00
Block.	@	4 60 p perch.	@	Conshocken
Rubble.	@	1 25 @ 1 50	8 50 @	1 45 @ 2 50
Bluestone: (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 16
Kibbe.	@ 90	90 @ 1 10	@	@ 1 05 @ 1 35
Brown (Connecticut).	1 00 @	1 25 @ 1 45	1 50 p cub. ft.	@ 55 @ 1 00
Amherst.	90 @ 95	90 @ 1 00	45 @ 50	@ 1 10 @ 1 00
Berea.	75 @ 1 00	85 @ 90	45 @ 55	@ 1 00 @ 1 00
Berlin.	75 @ 1 00	80 @ 90	55 @ 65	@ 1 00 @ 1 00
Belleville.	80 @ 1 25	1 25 @ 1 35	@ 1 25	@ 1 25 @ 1 00
New Brunswick (Dorchester).	@ 1 00	75 @ 90	@	@ 95 @ 1 00
Caen.	@	@ 2 00	@	@
Carlisle, English.	@ 1 05	@ 1 05	@	@
Corse Hill (Scotch).	@ 1 05	@ 1 05	@	@
Marble: (p cu. ft.)				
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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
Glen Falls, black.	@	@	Not Sold.	4 00 @ 4 50
Italian, blue-veined.	@	@	@ 4 40	2 50 @ 5 00
" Sienna.	@	@	Not Sold.	4 00 @ 6 00
Tennessee, red.	@	@	@ 4 40	3 00 @ 4 00
" Knoxville.	@	@	Not Sold.	2 00 @ 3 00
Pennsylvania, blue.	@	@	3 50 @ 6 00	2 25 @ 3 00
Vermont, white.	@	@	@	@
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	1 50 @ 10 25
" black, Lehigh.	4 25 @ 4 75	@	6 25 @ 6 85	3 25 @ 4 00
" Chapman.	@	@	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. p M.	@	@	Not Sold.	@ 35 00
N. Peach Bottom, warranted unfading.	@	@	@	6 00 @ 6 75
PAINTS. (In Oil p lb.)				
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" zinc.	5 @ 8 1/2	@ 8	7 @ 10 1/2	@ 7
Red lead, Am.	6 1/2 @ 7	7 @ 7 1/2	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	65 @ 68	Eng. @ 76
" Indian, Eng.	12 @ 20	12 @ 20	12 @ 20	dry Am. @ 1 1/2
Yellow Ochre.	6 @ 15	7 @ 12	3 @ 15	@ 18
" Chrome.	12 @ 20	18 @ 25	15 @ 25	@ 21
Green (chrome).	8 @ 13	8 @ 20	8 @ 20	" 15 @ 20
Green, Paris.	25 @ 40	25 @ 40	18 @ 35	@ 12
Black, lamp.	15 @ 25	15 @ 25	8 @ 30	10 @ 24
Blue, ultramarine.	55 @ 62	38 @ 39	57 @ 60	@ 60
Oil, linseed, (raw).	58 @ 65	41 @ 42	60 @ 63	@ 65
" " boiled.	36 @ 37	@ 44	51 @ 51	@ 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
Putty.	2 @	@	2 @	@ 2 1/2
Whiting.	75 @ 1 00	1 @ 1 1/2	1 @ 1 1/2	@ 1
Paris white, (Eng.).	1 30 @ 2 00	2 @ 3	1 1/2 @ 2	1 1/2 @ 2
Litharge, Am.	54 @ 6	7 @ 7 1/2	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
HARDWARE.				
Nails: (Per Cask.) Spikes, (wrought.)	@ 2 85	@	2 75 @ 3 00	per keg @ 2 25
10d. common.	@ 2 60	@ 2 10	@ 2 35	@ 2 30
Shingle.	@ 3 35	@ 2 20	@ 2 75	@ 2 60
Lath.	@ 4 85	@ 3 10	@ 3 35	3 60 @ 4 75
(Finishing nails according to size.)	@	@	Add .85 to \$1.15	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	@ 30
Japaned.	@ 1 50	@ 1 75	Not Sold.	1 35 @ 2 00
Acorn, Japaned.	@ 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
Brass (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.
Hemacite.	Not Sold.	17 @ 33	31 @ 40	25 @ 50
Porcelain.	Not Sold.	@ 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	@ 6 1/2	@ 6 1/2
Iron:				
I-Beams, up to and including 36 ft.	3 3-10 @ 3 1/2	@ 3 1-10	@	@ 2 8-10
I-Beams, over 30 ft. 1/2 c. advance.	3 3-10 @ 3 1/2	@ 3 1-10	3 20 @ 3 70	@ 2 8-10
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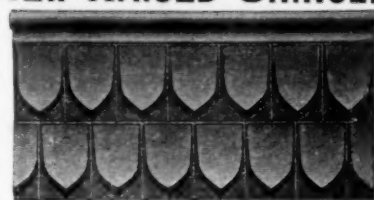
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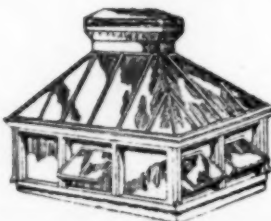
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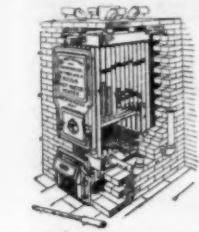


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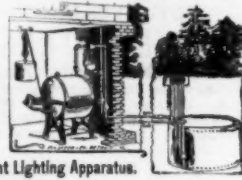
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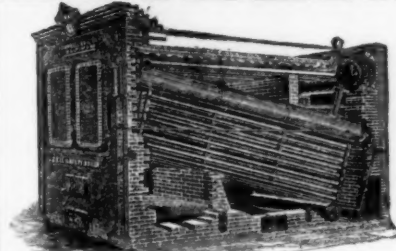
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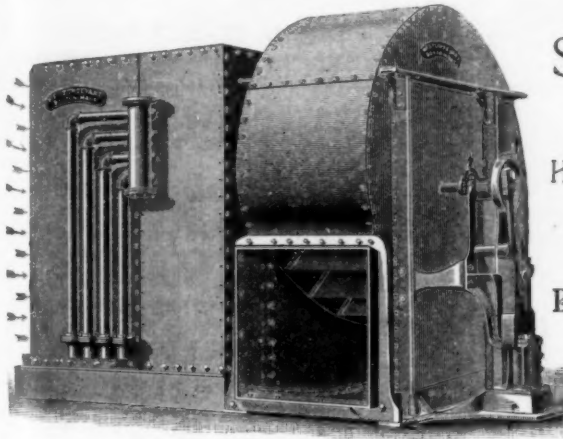
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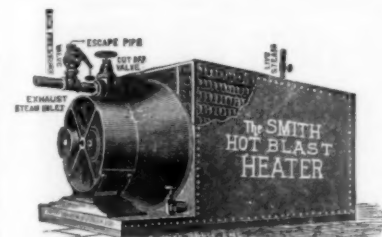
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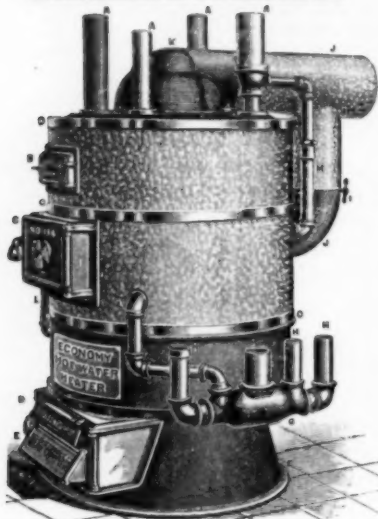
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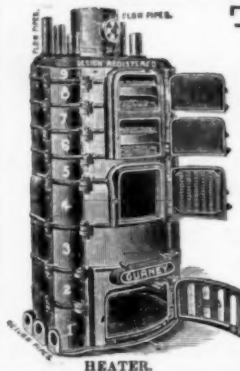
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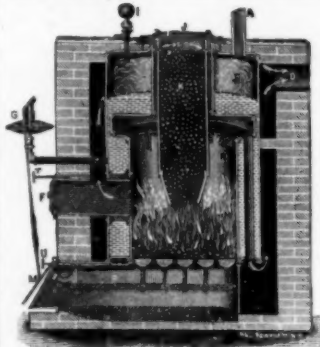


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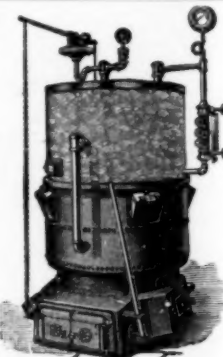
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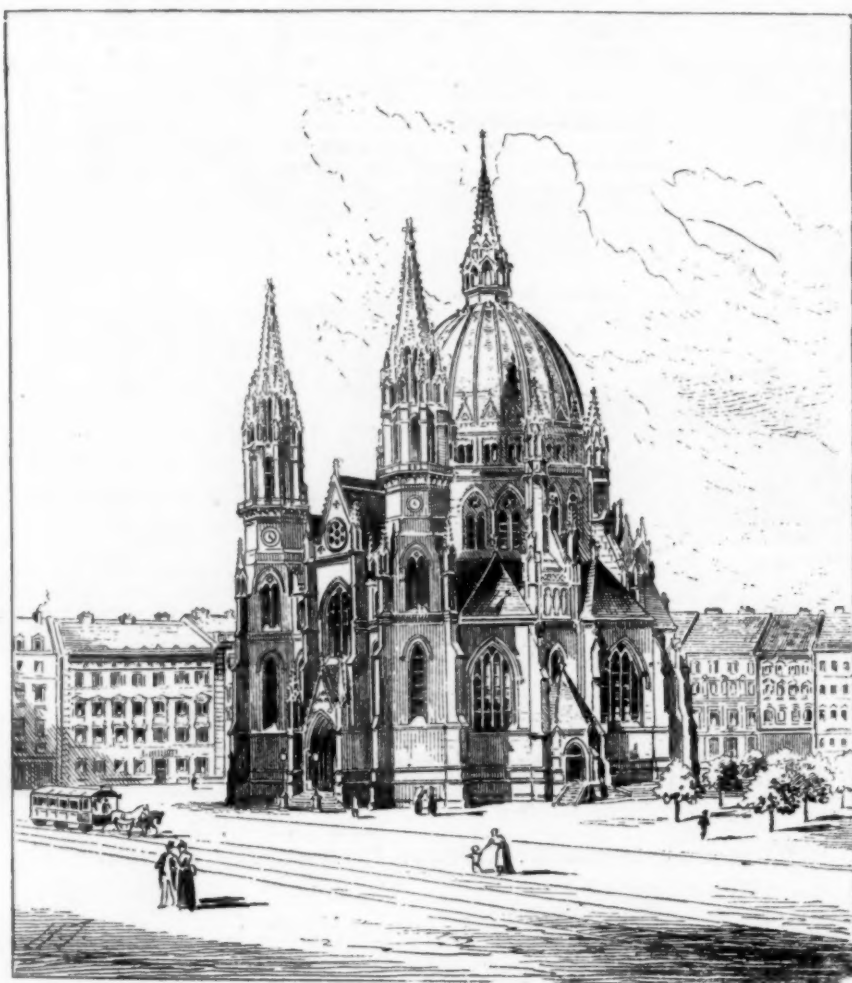
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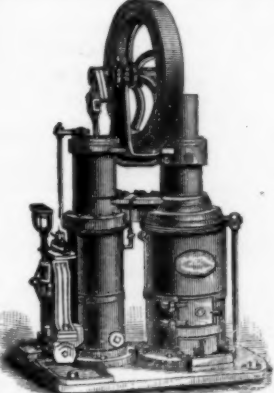
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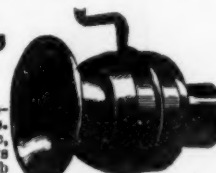
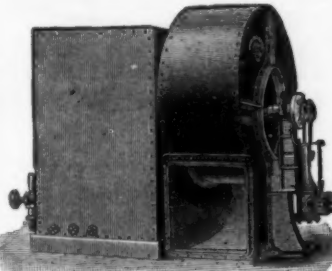
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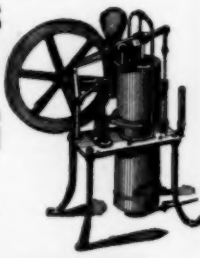
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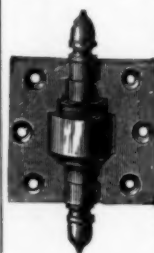
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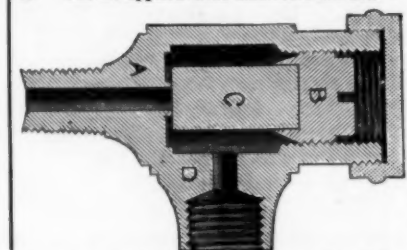
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The American Architect and Building News

IS PUBLISHED EVERY SATURDAY BY

TICKNOR & COMPANY,

211 TREMONT ST., BOSTON, MASS.

For the American Architect and Building News Co.

Advance Subscription Rates.

Regular Edition, \$6.00 per year; six months, \$3.50.
Imperial Edition, \$10.00 per year; six months, \$6.00.
International Edition, per year in advance, \$25.00.
" " quarterly " 26.00.

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MERCHANT & CO. (Philadelphia, Pa.), Roofing Tiles. Page iii.
CLAY SHINGLE CO. (Indianapolis, Ind.), Clay Shingles. Page xv.
TIFFANY GLASS & DECORATING CO. (New York, N. Y.), Stained Glass. Page ii.
JOHN H. PRAY, SONS & CO. (Boston, Mass.), Carpets. Page xiii.

PERSPECTIVE DRAWING.

The American Architect Drawing-Office will undertake the preparation of perspective drawings in line or color from scale drawings, or will render drawings already in outline. Address the editors.

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DRAGHTSMAN.—A first class, reliable and artistic draughtsman wanted. Address Seymour Davis, 527 Kansas Ave., Topeka, Kansas. 847

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PARTNERSHIP.—About May 1 the writer desires to become associated with an architect having an active practice with the view of a partnership, if at the end of three (3) months the relation proves congenial. South or West preferred. An American, age 28, eight years general experience, four years in leading New York city office. First-class references exchanged. Address by letter "J. H. S.," care of American Architect. 847

WANTED.

DESIGNER.—Ornamental designer wanted for architectural iron work; applicant must have had thorough practical experience. Address "Permanent," care American Architect. 847

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POSITION.—Wanted, position as draughtsman, good at construction and figuring strength of materials, etc., or superintendent on outside work. Address "R. W.," care of American Architect. t.f.

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[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.]

469,689. SASH-CORD FASTENER.—George L. Fowler, New York, N. Y.
469,690. SASH-BALANCE.—George C. Gardner, Hinsdale, Ill.
469,691. SASH-CORD FASTENER.—Richard M. Gardner, Chicago, Ill.
469,764. DESICCATING-CLOSET.—James A. Wills, Philadelphia, Pa.
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469,804. METAL FLOORING ON ROOFING.—George A. Hobson, Richmond, England.
469,825. DOOR-CHECK.—Thomas D. Morris, Seward, Neb.
469,834. SHUTTER-BOWER.—Harvey V. Demarest, Nyack, N. Y.
469,863. LATCH.—John Marks, Brighton, England.
469,951. LOCK.—John H. Shaw, New Haven, Conn.
469,953. KNOB ATTACHMENT.—William E. Sparks, New Haven, Conn.
469,955. SLIDING WINDOW.—Annie F. M. Youlten, London, England.
469,968. DOOR-CHECK.—Henry R. Friable, Bridgeport, Conn.
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470,043. HINGE.—William S. Gillespie, Brooklyn, N. Y.
470,072. DOOR-KNOB FASTENING.—John H. Ormsby, Bolton Landing, N. Y.
470,114. WINDOW.—Jean J. Eyraud, Paris, France.
470,139. WINDOW-SASH.—Joseph B. Cohen, New York, N. Y.
470,158. ELECTRIC ELEVATOR.—Carson J. Sturgeon, Erie, Pa.
470,162. BLIND-FASTENER.—Leander W. Hammond, North Plainfield, N. J.

Imports of Building Materials, Etc.,

AT THE PORT OF NEW YORK FOR THE WEEK ENDING MARCH 11, 1893.

From Antwerp.—Steamer "Friesland," 1,000 barrels cement, E. Thiele; 49 cases marble, Merchants' Despatch Co. Ship "Marabout," 5,610 barrels cement, J. W. Seligmann & Co.
From Barcelona.—Steamer "Habana," 11 boxes bricks, Raphael Masti.
From Bremen.—Bark "Atlantic," 400 tons crude rock asphaltum, order.
From Chiltipepec, Mexico.—Brig "Eldorado," 257 logs and log ends mahogany, J. Reynes.
From Frontera.—Steamer "Yumuri," 40 logs mahogany, J. Reynes.
From Genoa.—Steamer "Entella," 16 blocks marble, G. Amsinck & Co.; 26 do., order. Steamer "Fulda," 40 cases marble bricks, James E. Ward & Co.; 90 logs olive wood, 10 do. cedar, order.
From Glasgow.—Steamer "Siberian," 322 cases granite, Austin, Baldwin & Co.; 3 do., Davidson Sons.
From Havana.—Steamer "Panama," 200 bags asphalt, Adams & Simons.
From Havre.—Steamer "La Bourgogne," 6 packages marble, Merchants' Despatch Co.; 15 packages do., W. W. Thomas & Co.
From Laguna.—Schooner "Laguna," 265 logs mahogany, 54 log ends, Thebaud Bros.
From Liverpool.—Steamer "Runic," 23 logs rose-wood, order.
From London.—Steamer "Lydian Monarch" 16 logs wood, order. Steamer "Canada," 12 logs hard wood, R. P. Downing & Co.; 2,000 casks cement, 125 drums do., order. Ship "Margaretha," 3,250 casks cement, Chas. J. Stevens; 1,000 do., Bank of British

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IMPORTS OF BUILDING MATERIALS, Etc.

North America. Ship "Serbia," 2,994 casks Portland cement, Bank of British North America.
From Savanilla.—Steamer "Andes," 1 box asphalt, 143 bags do., Suzarte & Whitney.
From Stettin.—Bark "Marie," 500 barrels cement, E. Thiele; 1,200 casks do., order. Bark "Caroline," 392 casks cement, H. Marquardt & Co.
From St. Jago.—Brig "Jose D. Buena," 85 logs cedar, 40 do. mahogany, G. Amsinck & Co.
From Tecolutta.—Schooner "Gertrude L. Trundy," 504 logs mahogany, 13 log ends do., G. Amsinck & Co. Schooner "Laura L. Sprague," 607 logs mahogany, G. Amsinck & Co.
From Vera Cruz.—Steamer "Yumuri," 271 blocks marble, E. Zarang & Co.; 39 do., O'Kelly & Co.

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.—Scholes St., No. 263, two-st'y frame machine-shop, tin roof, two and one st'y brick extension, tin roof, and internal alterations; cost, \$6,000; owner, A. Wohlfarth, on premises; architect, Frank Holmberg, 1161 Broadway.
Grove St., n. s. 200' e Evergreen Ave., three-st'y brick storage warehouse, tin roof, two-st'y brick extension, tin roof; cost, \$3,000; owner, Frank Ibert, on premises; architect, Fred Wunder, 99 Broadway.

(Continued on page xv.)

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Mary Woods, three-sty flats, 4548 St. Lawrence Ave.; cost, \$10,000.
John Mott, three-sty flats, 5545 Jefferson St.; cost, \$7,000.
E. W. Egriars, three-sty flats, 680 West Division St.; cost, \$3,500.
Julius Lense, two-sty flats, 929 Thirty-first St.; cost, \$8,000.
Charles Swanson, two-sty flats, 499 Forty-eighth St.; cost, \$3,000.
A. D. Terry, 5 two-sty flats, Ravenswood Pl. and Wilson Ave.; cost, \$15,000.
H. B. Koek, two-sty flats, 931 Perry Ave.; cost, \$3,000.
William Haeki, three-sty flats, 364 Hudson Ave.; cost, \$6,000.
J. Burggraf, three-sty flats, 930 Twenty-second St.; cost, \$12,000.
P. Ritzman, two-sty flats, 1904 Twenty-second St.; cost, \$3,000.
Thomas Dugal, 2 three-sty flats, 43-45 Cedar St.; cost, \$10,000.
Henry Rubens & Co., six-sty apartment building, 574-576 La Salle Ave.; cost, \$35,000.
Anton Cusle, five-sty flats, 148 Milwaukee Ave.; cost, \$9,000.
Charles Dawson, three-sty flats, 1371 West Jackson St.; cost, \$7,000.
J. Chambers, three-sty flats, 186 Loomis St.; cost, \$5,000.
E. C. Barr, 2 three-sty flats, 317-319 Sixty-eighth St.; cost, \$12,000.
L. Lagari, 2 three-sty flats, 6356-6358 Cottage Grove Ave.; cost, \$8,200.

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New York, N. Y. — Sixty-fifth St., s. s. 250' w Eighth Ave., five-sty brick flat, tin roof; cost, \$20,000; owner, Mary McKenror, 173 West Ninety-fifth St.; architect, J. H. Valentine, One Hundred and Twenty-first St. and Eighth Ave.

St. Louis, Mo. — Two-sty brick flats; cost, \$3,900; owner, Mrs. McManus; contractors, E. Mackey & Son.

CHURCHES.

Chattanooga, Tenn. — The building of an edifice for the People's Methodist-Episcopal Church, to cost from \$10,000 to \$15,000, is contemplated.

Concordville, Pa. — A Methodist-Episcopal church will be built.

Cramer Hill, N. J. — Hays Ave., cor. Cooper Ave., Bethany Baptist Church.

Philadelphia, Pa. — Ontario St., church and stone chapel for the Toga Baptist Church; cost of chapel, bet. \$13,000 and \$18,000.

Pittsburgh, Pa. — The Pittsburgh and Allegheny Baptist Association will build a church on Wylie Ave.

John Siebert will build a two-sty synagogue, at a cost of about \$35,000, for the Congregation B'nai Israel.

FACTORIES.

Chicago, Ill. — S. W. Shipman, five-sty factory, 445-447 Canal St.; cost, \$15,000.
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BUILDING INTELLIGENCE.

York, were adopted by the Board and the contract for building will be closed April 1.

Hickory, N. C.—A \$25,000 building will, it is stated, be built for Lenoir College.

STABLES.

Boston, Mass.—Mather St., No. 22, rear, Ward 24, frame stable, 24' x 30'; owner, John J. Crake; builder, A. J. Brennan.

Walter St., rear, near Selwyn St., Ward 23, frame stable, 20' x 21'; owner and builder, S. C. Brown.

Washington St., rear, No. 3823, Ward 23, one-sty frame stable, pitch roof, 20' x 20'; owner and builder, J. L. Keane.

Hawthorne St., No. 10, rear, Ward 21, frame stable, 20' x 29'; owner, Joseph McKenny; builder, M. F. Sullivan.

Brooklyn, N. Y.—Vernon Ave., n s, 400' w Lewis Ave., three-sty brick stable, gravel roof; cost, \$3,000; owners, Hohwiesner & Alchale, Ellery St., cor. Broadway; architect, Th. Engelhardt, 905 Broadway. Heywood St., 73' e Bedford Ave., three-sty brick stable, tin roof; cost, \$18,000; owners, Probst & Schumacker, 91 Heywood St.; architect, Frank Holmberg, 1169 Broadway.

Cincinnati, O.—Board of Park Trustees, two-and-one-half-sty brick and stone barn, Gilbert Ave.; cost, \$6,000; architects, Aikou & Ketchum.

New York, N. Y.—Oak St., n s, 11' e New Chamber St., five-sty brick stable, tin roof; cost, \$48,000; owner, James Duffy, 1600 Lexington Ave.; architect, Andrew Spence, 163 East One Hundred and Twenty-fifth St.

Worcester, Mass.—Coss St., one-and-one-half-sty barn; owner and builder, Geo. W. Smith.

STORES.

Brooklyn, N. Y.—Flushing Ave., n s, 25' e Evergreen Ave., 5 four-sty frame store and dwells, tin roofs; cost, \$5,500 each; owner and builder, Leopold Michel, 171 Graham Ave.; architect, Th. Engelhardt, 905 Broadway.

Linwood St., s w cor. Belmont Ave., two-sty frame store and dwell, tin roof; cost, \$4,000; owner and builder, Donald Lang, Belmont Ave.

Third Ave., w s, 75' e Twenty-fifth St., two-sty brick store and dwell, tin roof; cost, \$4,000; owner, Mrs. J. J. Hardy, Twenty-second St. and Fourth Ave.; architect, George M. Miller, 261 Thirtieth St.

Thirtieth St., s s, 175' e Third Ave., four-sty brick store and dwell, tin roof; cost, \$5,000; owner, Frank Lorenzo, 130 Thirtieth St.; architects, H. L. Spieker & Sons, Third Ave. and Fifty-third St.

Knickerbocker Ave., w s, 75' n Starr St., three-sty frame store and dwell, tin roof; cost, \$7,000; owner, Edward T. Jenkins, 887 Park Ave.; architect, Frank Holmberg, 1169 Broadway.

Knickerbocker Ave., w s, 25' n Starr St., three-sty frame store and dwell, tin roof; cost, \$7,000; owner, E. T. Jenkins, 887 Park Ave.; architect, F. Holmberg, 1169 Broadway.

Bremen St., s e cor. Noll St., 4 three-sty frame stores and dwells, tin roofs; cost, \$4,000 each; owner, architect and builder, John Krueger, 250 Moore St.

Belmont Ave., n w cor. Schenck Ave., three-sty frame store and dwell, tin roof; cost, \$5,200; owner, F. Gensle, Glenmore Ave., near Pennsylvania Ave.; architect, Chas. Meins, Atlantic Ave.

(Continued on page 11.)

BUILDING INTELLIGENCE.

Thomas Brown, three-sty factory, s w cor. Brown and Henry Sts.; cost, \$30,000.
M. Schultz, four-sty factory, 181-201 West Superior St.; cost, \$10,000.
Lester R. Harsha, five-sty factory, 772-780 Carroll Ave.; cost, \$20,000.

New York, N. Y.—Bowery St., n w cor. Bayard St., nine-sty brick factory, asphaltic cement and gravel roof; cost, \$650,000; owner, Third Avenue Railroad, 36 Seventy-first St.; architect, Albert Wagner, 67 University Pl.

St. Louis, Mo.—Seven-sty brick factory; cost, \$81,000; owner, F. A. Drew; contractor, R. K. McClure.

HOUSES.

Atlantic City, N. J.—States Ave., n Atlantic Ave., three cottages for Mrs. H. Kelly.

Bala, Pa.—Stone cottage, slate roof, for Thomas D. Mowlds; contractor, G. C. Dietrich; architect, Robert K. Marple, 708 Walnut St., Philadelphia.

Baltimore, Md.—Jas. Hampson, Jr., 2 three-sty brick buildings, w s Carrollton Ave., and 2 two-sty brick buildings in rear, bet. Harlem Ave. and Laval St.

Hy. H. Streeker, 3 two-sty brick buildings, s e s Francis St., near Fulton Ave.

Berwyn, Pa.—A cottage will be built for Fletcher Walton by J. J. Farrar.

Boston, Mass.—Tuttle St., near Savin Hill Ave., Ward 24, frame dwell., 23' x 36'; owner and builder, Joseph H. Beale.

Dix St., near Dorchester Ave., Ward 24, two frame dwells, mansard roofs, 24' x 47'; owner and builder, P. F. Haulon.

L St., Nos. 47-53, Ward 14, 4 three-sty frame dwells., flat roofs, 22' x 60'; owners and builders, Berry & Watson.

South St., cor. Tappan St., Ward 23, two frame dwells., 28' x 35'; owner and builder, Wm. I. Mabie.

Hyde Park Ave., opp. Blakemore St., Ward 23, frame dwell., 22' x 36'; owner, John Newcomb; builder, John Drohan.

Dorchester Ave., near Codman St., Ward 24, frame dwell., 24' x 40'; owner and builder, Isaac Schurman.

Ashmont St., s s, near Burt Ave., Ward 24, frame dwell., 26' x 36'; owner, James Reid; builder, James Davidson.

Parsons St., Nos. 9-11, Ward 25, two frame dwells., 20.5' x 53.8'; owner, A. P. Fiske; builder, A. E. Ellis.

Regent St., Nos. 102-104, cor. Rook St., Nos. 106-112, near Hewes St., and 114-116, cor. Hewes St., Ward 21, 4 three-sty frame dwells., flat roofs, each 22' x 50'; owner, Wm. Shay; builder, F. X. Julien.

Thuring St., near Highland St., Ward 21, frame dwell., 23.5' x 33'; owner, Thomas Kelley; builder, J. P. Campbell.

Schiller St., cor. Mansur St., Ward 22, 2 three-sty frame dwells., flat roofs, 23' x 46'; owner, Joseph Bapp; builder, P. Schneider.

Chinick Road, cor. Borwick Road, Ward 25, frame dwell., hip roof, 35.3' x 52.4'; owner, C. E. A. Hise; builder, W. Pettigrew.

Chestnut Hill, Mass.—Frame dwell., 34' x 52'; owner, Horace Phipps; contract to be let; architects, Loring & Phipps, Boston.

Dorchester, Mass.—Tremlet St., frame dwell.,

BUILDING INTELLIGENCE.

32' x 40'; owner, J. Brodie; contract to be let; architects, Loring & Phipps, Boston.

Harrisburg, Pa.—Six three-sty dwells.; owner, J. Kirby; architect, Robert K. Marple, 708 Walnut St., Philadelphia.

Honeybrook, Pa.—Stone dwell. for Handson O. Welsh.

Kendall Green, Mass.—Frame dwell., 40' x 47'; old colonial style; owner, Dr. E. P. Bradbury; contract to be let; architect, W. Whitney Lewis, Boston.

Malden, Mass.—Highland Ave., frame dwell., 28' x 45'; owner, George E. Durgin; builder, C. E. Johnston; architects, Loring & Phipps, Boston.

Somerville, Mass.—New St., near Meacham St., seven frame dwells., each 23' x 32'; owner, Henry R. Glover; builder, Thomas Gordon.

Trull St., frame dwell., 24' x 36'; owner, Maurice Buttemore.

Wheatland St., near Jaques St., frame dwell., 24' x 28'; owner and builder, Geo. E. Ricker.

Carver St., frame dwell., 20' x 27'; owner, E. B. Morgan; builder, G. H. Johnson.

Raymond Ave., frame dwell., 24' x 32'; owner and builder, Moses P. Bickford.

Mt. Vernon Ave., frame dwell., 22' x 29'; owner and builder, W. H. Savary.

Wheatland St., near Jaques St., frame dwell., 20' x 37'; owner and builder, Adelbert D. Rice.

OFFICE-BUILDINGS.

Augusta, Ga.—The Augusta Chronicle is to build four-sty office-building; architects, MacMurphy & Story.

Chicago, Ill.—Doggett Estate, seven-sty office and store building, 314-317 Michigan Ave.; cost, \$150,000.

Estate of F. F. W. Peck, twelve-sty office and store building, cor. La Salle and Washington Sts.; cost, \$700,000.

Cincinnati, O.—Dr. Hunter, two-sty office and flats, Eighth St.; cost, \$6,000; architect, Jas. McLoughlin.

New York, N. Y.—Fourth Ave., n e cor. Twenty-second St., 2 six and seven-sty brick office-buildings, peak fireproof, arch, concrete and tile roof; cost, \$400,000; owner, John S. Kennedy, 6 West Fifty-seventh St.; architects, Robertson, Rowe & Baker, 10 West Twenty-third St.

Pittsburgh, Pa.—Wood St., cor. Water St., six-sty brick and terra-cotta office-building, flat roof, 60' x 80'; owner, J. J. Vandergrift; builder, G. A. Cochran; architects, Longfellow, Alden & Harlow, Boston.

St. Louis, Mo.—Two-sty brick office and dwell.; cost, \$3,000; owner and contractor, H. Lemm.

Two-sty brick office; cost, \$3,100; owners, Scherpe & Koken; contractor, H. A. Christophel.

SCHOOL-HOUSES.

Atlanta, Ga.—A building, to cost \$100,000, for the Southern Medical College is contemplated.

Baltimore, Md.—An ordinance appropriating \$75,000 for a building for the Western Female High School has been introduced in the City Council.

Catalpa, Va.—The plans submitted for the three-sty brick district school by Palliser, Palliser & Co., New

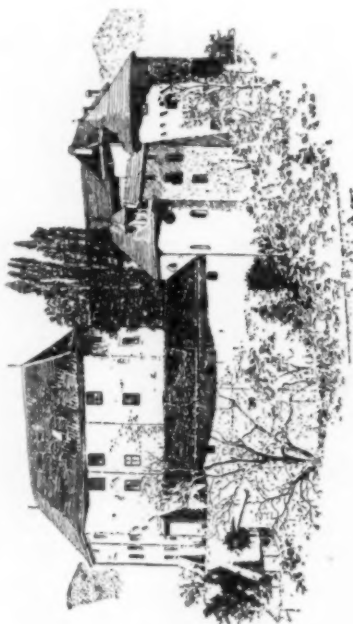
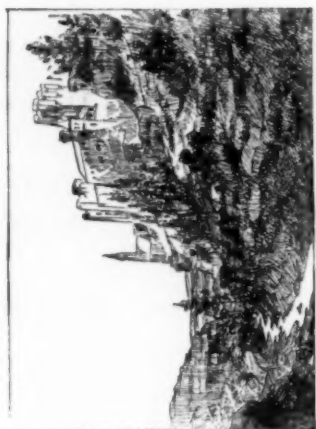
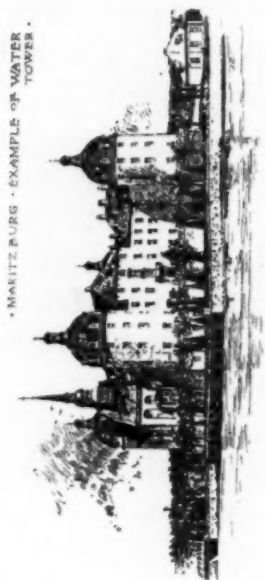
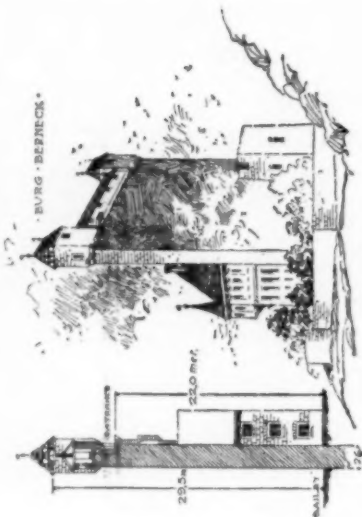
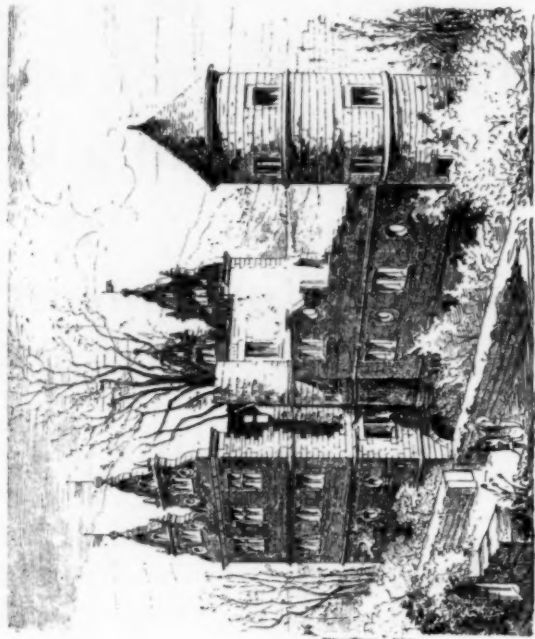
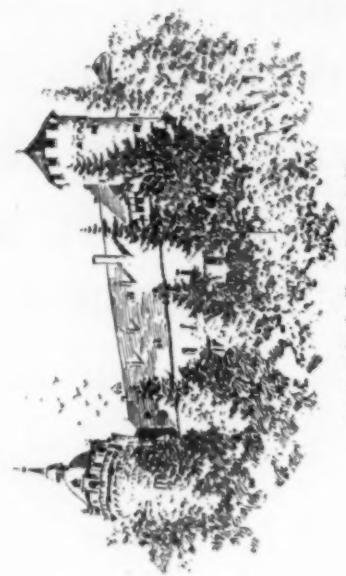
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BUILDING INTELLIGENCE.

McDonough St., s w cor. Hopkinson Ave., four-
st'y brick store and dwell., felt and gravel roof;
cost, \$8,000; owner and builder, Wm. McClenahan,
1911 Bergen St.; architect, John L. Young, 287
Halsey St.

Hamburg Ave., e s, 50' s George St., 2 three-st'y
frame stores and dwells., tin roofs; cost, \$4,500
each; owner, Leo Wetzell, 127 Montrose Ave.; ar-
chitect, H. Vollweiler, 483 Hart St.

Halsey St., n w cor. Ralph Ave., four-st'y brick
store and dwell., tin roof; cost, \$18,000; owner,
Henry Sengstaken; architects, J. D. Reynolds &
Son, 363 Fulton St.

Stuyvesant Ave., s w cor. McDonough St., four-st'y
brick store and dwell., tin roof; cost, \$8,000; owner,
John F. Ryan, 275 Hewes St.; architect, H. B. Hill,
243 Reid Ave.

Rogers Ave., s e cor. Prospect Pl., four-st'y brick
store and dwell., tin roof; cost, \$12,000; owner, John
Behrens, 66 Prospect Pl.; architect, Wm. Coots, 26
Court St.

Sutter Ave., s w cor. Christopher St., three-st'y
frame store and dwell., tin roof; cost, \$4,000;
owners, Samuelson & Ronginsky, on premises; ar-
chitect, A. J. Warren, 281 Atlantic Ave.

Chicago, Ill. — J. L. Adams, two-st'y store, Wabash
Ave. and Peck Ct.; cost, \$15,000.

New York, N. Y. — Broadway, No. 828, six-st'y iron
store; cost, \$65,000; owners, Messrs. Philip Wein-
berg & Co.; architect, Rd. Berger.

Eighth Ave., No. 412, five-st'y brick store building,
tin roof; cost, \$30,000; owner, Liebrand Nieuwen-
huis, 18 East One Hundred and Twenty-sixth St.;
architect, J. Kastner, 744 Broadway.

West Twenty-first St., No. 539, five-st'y brick store,
tin roof; cost, \$13,000; owner, Chas. Hofferberth, 215
Tenth Ave.; architect, Louis F. Heinecke, 62
Bowery.

West Fourth St., Nos. 24-26, six-st'y brick store,
tin roof; cost, \$80,000; owner, George G. Kip, Mor-
ristown, Ky.; architect, S. A. Warner, 132 Broad-
way.

Sixth Ave., w s, 51' 7 1/2" n Fifteenth St., four-st'y
brick store, tin roof; cost, \$75,000; owner, Henry
Morgenthau, 33 West Seventy-fourth St.; architects,
Buchman & Deisler, 8 West Twenty-ninth St.

St. Louis, Mo. — Two-st'y brick store and dwell.;
cost, \$15,000; owner, D. P. Slattery; contractor, D.
G. Hughes.

Two-st'y brick store and dwell.; cost, \$5,700;
owner and contractor, M. Connolly.

Three-st'y brick store and dwell.; cost, \$4,500;
owner, M. Cooper; contractors, W. Gahl & Co.

One-st'y brick store; cost, \$2,700; owner, Jos.
Griesideck; contractor, H. A. Christophel.

TENEMENT-HOUSES.

New York, N. Y. — Willis Ave., w s, 25' n Fortieth
St., five-st'y brick tenement, tin roof; cost, \$14,000;
owner, Edward Geis, 307 Willis Ave.; architect,
Wm. Kusche, 633 East One Hundred and Thirty-
ninth St.

WAREHOUSES.

Chicago, Ill. — Consumers Ice Co., four-st'y cold
storage warehouse, Thirty-sixth and Butler Sts.;
cost, \$80,000.

St. Louis, Mo. — Two-st'y brick warehouse; cost,
\$4,000; owner, C. H. Reader; contractor, J. Flan-
nery.

BUILDING INTELLIGENCE.

MISCELLANEOUS.

Boston, Mass. — Granite St., rear, near West First
St., Ward 13, one-st'y brick engine house, flat roof,
32' x 99'; owner, Whitier Machine Co.; builders,
Flynt Building and Construction Co.

Brooklyn, N. Y. — Heywood St., n s, 100' e Bedford
Ave., two-st'y brick bakery, tin roof; cost, \$9,000;
owners, Probst & Schumaker, 91 Heywood St.; ar-
chitect, Frank Holmberg, 1169 Broadway.

Chicago, Ill. — Armour & Co., engine-house, Forty-
fifth and Halsted Sts.; cost, \$2,500.

Detroit, Mich. — Donaldson & Meier, architects,
four-st'y brick manufactory, 1547-49 Russell St.;
cost, \$10,000.

New York, N. Y. — Fifty-eighth St., n s, 100' w Third
Ave., five-st'y brick lodge-rooms, etc., tin roof; cost,
\$90,000; owners, S. C. & M. Schaefer, Fifty-first St.
and Fourth Ave.; architect, J. Kastner, 744 Broad-
way.

Somerville, Mass. — Pearl St., No. 233, frame build-
ing, flat roof, 21' x 43', for photograph gallery, office
and hall; owner, Frank A. Morrill.

St. Louis, Mo. — One-st'y brick waiting-room; cost,
\$3,000; owner, H. Hinesman; contractors, Gillich &
Garnacke.

Frame elevator; cost, \$7,000; owner, Plant Milling
Co.; contractor, Todds Stanley.

PROPOSALS.

March 9, 1892. Sealed proposals will be received
at the office of the Supervising Architect, Treasury
Department, Washington, D. C., until 2 o'clock P. M.
on the 6th day of April, 1892, and opened immediately
thereafter, for all the labor and material required for
decorative painting, etc., for the United States
Court-house and Post-office building at Grand Rapids,
Mich., in accordance with the drawings and specifi-
cation, copies of which may be had on application at
this office or the office of the Custodian at Grand
Rapids, Mich. 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. All bids received after the
time stated will be returned to the bidder. Proposals
must be enclosed in envelopes sealed and marked
"Proposal for Decorative Painting, etc., for the
United States Court-house and Post-office building at
Grand Rapids, Mich.," and addressed to W. J. ED-
BROOKE, Supervising Architect. 848

March 3, 1892. Sealed proposals will be received
at the office of the Supervising Architect, Treasury
Department, Washington, D. C., until 2 o'clock P. M.
on the 22d day of March, 1892, and opened immedi-
ately thereafter, for furnishing and delivering at
freight depot in city where required, safes for the
United States Government Building at the following
places: Boston, Mass., Brooklyn, N. Y., Ellis Island,
N. Y. H., Kalamazoo, Mich. and Key West, Fla., in
accordance with the specification, copies of which
may be had at this office. Bids for one or more of the
safes must be accompanied by a certified check for a
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dressed to W. J. EDBROOKE, Supervising Archi-
tect. 847

March 5, 1892. Sealed proposals will be received
at the office of the Supervising Architect, Treasury
Department, Washington, D. C., until 2 o'clock
P. M., on the 5th day of April, 1892, and opened im-
mediately thereafter, for all the labor and materials
required to put in place complete the iron columns,
steel and iron floor, ceiling and roof construction,
skylight roof complete, etc., for the United States
Custom-house and Post-office building at Newark, N.
J., in accordance with the drawings and specification,
copies of which may be had at this office or the office
of the Superintendent at Newark, N. J. Each bid
must be accompanied by a certified check for a sum
not less than two per cent of the amount of the pro-
posal. The right is reserved to reject any and all bids
and to waive any defect or informality in any bid.
All bids received after the time stated will be returned
to the bidder. Proposals must be enclosed in envelopes
sealed and marked "Proposal for the Iron Columns,
Steel and Iron Floor, Ceiling and Roof Construction
for the United States Custom-house and Post-office
building at Newark, N. J.," and addressed to W. J.
EDBROOKE, Supervising Architect. 847

March 8, 1892. Sealed proposals will be received
at the office of the Supervising Architect, Treasury
Department, Washington, D. C., until 2 o'clock P. M.
on the 8th day of April, 1892, and opened immedi-
ately thereafter, for all the labor and material
required for the decorative painting, frescoing,
lettering, etc., in the United States Court-house,
Post-office, etc., building at Auburn, N. Y., in accord-
ance with drawings and specification, copies of which
may be had on application at this office and the office
of the Custodian at Auburn, N. Y. 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. All pro-
posals received after the time stated will be returned
to the bidder. Proposals must be enclosed in en-
velopes sealed and marked "Proposal for Decorative
Painting, Frescoing, Lettering, etc., in the United
States Court-house, Post-office, etc., building at
Auburn, N. Y.," and addressed to W. J. ED-
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[See Alphabetical Index on page VII for Pagination.]

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

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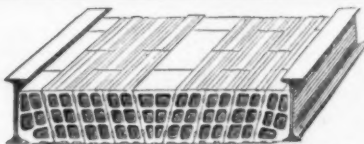
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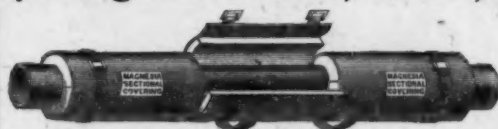
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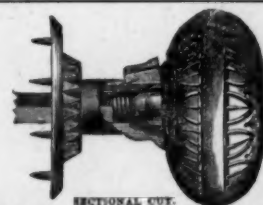
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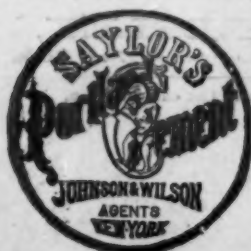


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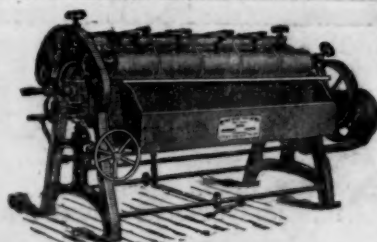
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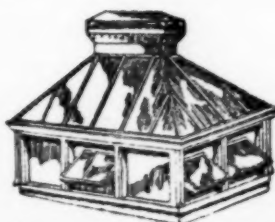
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ea 13 1/2 @ 14	13 00 @ 15 00	@ 12 00	11 25 @ 13 50
20 @ 40	25 00 @ 35 00	29 00 @ 37 00	14 00 @ 29 00
@	31 00 @ 40 00	@	@ 35 00
@	38 00 @ 60 00	10 00 @ 22 00	14 00 @ 25 00
@	23 00 @ 35 00	Not sold.	Not sold.
@	15 00 @ 18 00	12 00 @ 15 00	25 00 @ 37 30
14 00 @ 18 00	14 00 @ 15 00	Not sold.	16 00 @ 18 00
12 00 @ 16 00	24 00 @ 35 00	10 00 @ 13 00	13 00 @ 17 00
18 00 @ 21 00			22 00 @ 28 00
@	2 25 @ 2 35	2 10 @ 2 25	2 75 @ 3 00
2 75 @ 3 00	2 35 @ 2 50	Not sold.	2 30 @ 3 00
@	@	Not sold.	
5 00 @ 6 00	@ 4 50	2 20 @ 3 00	
4 00 @ 5 00	1 50 @ 00	Not sold.	
1 50 @ 2 00	3 75 @ 4 00	6 00 @ 7 50	
1 40 @ 1 60	@	Not sold.	
@	2 00 @ 4 00	2 00 @ 2 35	
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40 00 @ 60 00	60 00 @ 70 00	50 00 @ 60 00	70 00 @ 80 00
@ 180 00	45 00 @ 50 00		
@ 350 00	150 00 @ 160 00	150 00 @ 200 00	150 00 @ 250 00
45 00 @ 50 00	120 00 @ 350 00	200 00 @ 250 00	200 00 @ 400 00
@ 70 00	45 00 @ 50 00	18 00 @ 35 00	35 00 @ 55 00
@ 90 00	@ 50 00	32 00 @ 40 00	45 00 @ 55 00
@ 70 00	50 00 @ 55 00	22 00 @ 40 00	45 00 @ 55 00
@ 90 00	65 00 @ 75 00	45 00 @ 50 00	60 00 @ 75 00
65 00 @ 70 00	50 00 @ 65 00	35 00 @ 60 00	57 50 @ 65 00
60 00 @ 70 00	50 00 @ 75 00	35 00 @ 50 00	@ 65 00
@ 6	60 00 @ 70 00	55 00 @ 60 00	60 00 @ 75 00
32 00 @ 35 00		@ 7	
85 00 @ 120 00			
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BRICK.—P. M.				
Common: Cargo afloat.				In Yard.
Pale.....	2 50 @ 3 00	Eastern } 9 00 @ 10 00	Building Brick @ 6 50	Sq. Hard @ 9 00
Jersey.....	5 00 @ 5 50	Bay State Hard } 7 00 @ 8 00		" @ 7 00
Long Island.....	6 00 @ 6 50	Domestic Com. } 9 50 @ 10 00	Indiana Pressed } 14 00 @ 20 00	Salmon @ 5 00
Up River.....		Domestic Face } 20 00 @ 22 00	St. Louis Fronts @ 27 00	Sq. " @ 9 00
Haverstraw Bay Md.....				Light Stretchers @ 10 00
" 1st.....				Medium " @ 12 00
Hollow.....	@ 13 00			Red " @ 13 00
Fronts:				Dark " @ 13 00
Croton, Brown.....	@ 13 00			Pressed @ 13 00
" dark.....	@ 14 00			18 00 @ 20 00
" red.....	@ 14 00			Best Paving @ 14 00
Chicago pressed (Anderson).....				Second " @ 13 00
" Moulded.....				Third " @ 12 00
Baltimore.....	37 00 @ 41 00	Anderson } 14 00 @ 32 00		
Philadelphia.....	23 00 @ 24 00			
Trenton.....	22 00 @ 23 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			
CEMENT, LIME, etc.—(P. M.)				
Rosendale Cement.....	1 15 @ 1 20	1 20 @ 1 40	Not sold.	1 30 @ 1 50
Louisville.....		Brooks, S. & Co. } 1 05 @ 1 30		BS&Co 2 75 @ 3 00
Utica, Akron, Buffalo, Mass'keo.....	Not sold.	2 60 @ 3 00	1 00 @ 1 25	2 85 @ 3 25
Portland, English (Gibbs).....	2 50 @ 3 00	2 60 @ 3 00	2 75 @ 3 25	2 85 @ 3 15
" (K. B. & S.).....	2 50 @ 3 00	2 60 @ 3 00	3 00 @ 3 25	2 75 @ 3 00
" Black Cross.....	2 25 @ 2 50	2 60 @ 3 00	3 00 @ 3 25	2 85 @ 3 15
" (Burnham).....	2 60 @ 2 80	2 60 @ 3 00	2 90 @ 3 15	2 75 @ 2 85
" (White's).....	2 65 @ 3 00	2 60 @ 3 00	3 00 @ 3 25	
" French (Lafarge).....	3 60 @ 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	3 15 @ 3 35	3 20 @ 3 40	
" (Vorwohler).....	2 50 @ 2 90	Cleopatra } 2 55 @ 3 00		
" (Lagerdofer).....	@ 3 25	3 00 @ 3 50	2 75 @ 3 00	
" (Dyckerhoff).....	2 90 @ 3 25		3 25 @ 3 50	
" (Hanover).....	2 50 @ 3 00		Not sold.	
" Stettin (Anchor).....	2 35 @ 2 85		Not sold.	
" American (Saylor's).....	2 15 @ 2 45	2 15 @ 2 50	2 75 @ 3 00	
Roman.....	2 75 @ 3 00	@ 3 00	2 75 @ 3 25	
Keene's coarse.....	5 75 @ 6 50	@ 6 00	6 00 @ 7 00	
" superfine.....	9 25 @ 10 25	@ 11 50	9 00 @ 10 50	
Lime:				
Lime of Tell.....	3 50 @ 4 00		Not sold.	White Lime P bush 25 @ 30
Hydraulic Lime.....	@ 1 45	@ 1 35		White Mash { 1 25 @ 1 50
Chicago Lime in bulk.....		St. John 1 00	55 @	1 00 @ 1 00
Wisconsin Lime.....	@ 85	@ 1 05	60 @	
Rockland and Rockport (Com.).....	@ 1 00	@ 1 10	Not sold.	
Rockland and Rockport, finish.....	@ 1 20	@ 1 20	Not sold.	
Kelley Island Lime, finish.....	@ 85		1 00 bulk, 75c.	
State, com. cargo rates (nom.).....	@ 1 05		Not sold.	
State, finishing.....	1 20 @ 1 25	1 85 @ 2 00	Not sold.	
Plaster of Paris (calcined).....	1 30 @ 1 35	@ 2 25	1 85 @ 1 90	
" (casting).....	16 @ 18	25 @ 30	20 @ 25	
Hair (Cattle) P bush.....	25 @ 28	@ 30	30 @ 35	
" (Goat).....	1 00 @ 1 25	1 75 @ 1 90	@ 60	
Sand, P load.....				
STONE. (P cubic foot, rough.)				
Granite: (Maine)		@ 60		
Limestone:				
Bedford.....	45 @ 1 25	95 @ 1 00	50 @	75 @ 90
Joliet.....	@ 1 00		35 @ 55	Richmond 75 @ 1 50
Lemont.....			35 @ 60	P Poreh @ 4 50
Serpentine.....	@	10 50 per ton	@ 1 00	



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Block.....	4 60	4 60	15	5 00
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
Planned.....	50 @ 6 00	@ 75	50 @ 1 00	37 @ 50
Sandstone:				
Longmeadow.....	@ 80	80 @ 90	@	@ 95
Kibbe.....	@ 90	90 @ 1 10	@	1 05 @ 1 16
Brown (Connecticut).....	1 00 @	1 25 @ 1 45	1 50 @	1 05 @ 1 35
Amherst.....	90 @ 95	90 @ 1 00	45 @ 50	@ 55
Berea.....	75 @ 1 00	85 @ 90	45 @ 55	1 10 @ 1 00
Berlin.....	75 @ 1 00	80 @ 90	55 @ 65	1 00 @ 1 00
Belleville.....	80 @ 1 25	1 25 @ 1 35	@ 1 25	1 25 @ 1 00
New Brunswick (Dorchester).....	@ 1 00	75 @ 90	@	95 @ 1 00
Cazen.....	@	@ 2 00	@	@
Carlisle, English.....	@ 1 05	@ 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.....	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
Glen 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	2 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.....	@	@	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	7 @ 7 1/2	6 1/2 @ 7	@ 7 1/2
"zinc.....	5 @ 8 1/2	7 @ 8 1/2	7 @ 10 1/2	@ 7 1/2
Red lead, Am.....	6 @ 7	7 @ 12	6 1/2 @ 7 1/2	@ 7 1/2
"Venetian.....	6 @ 10 1/2	7 @ 12	1 1/2 @ 2 1/2	@ 7 1/2
"Vermilion.....	12 @ 20	12 @ 20	12 @ 20	@ 7 1/2
"Indian, Eng.....	6 @ 15	7 @ 12	3 @ 15	@ 7 1/2
Yellow Ochre.....	12 @ 20	18 @ 25	15 @ 25	@ 15
"Chrome.....	8 @ 13	8 @ 20	8 @ 20	@ 15
Green (chrome).....	25 @ 40	25 @ 40	18 @ 35	@ 20
Green, Paris.....	15 @ 25	15 @ 25	8 @ 30	@ 20
Black, lamp.....	12 @ 18	18 @ 30	12 @ 35	@ 24
Blue, ultramarine.....	55 @ 62	38 @ 39	57 @ 60	@ 60
Oil, linseed, (raw).....	58 @ 65	41 @ 42	60 @ 63	@ 63
"boiled.....	36 @ 37	@ 41	51 @ 51	@ 64
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 @ 4	@ 4	2 @ 1 1/2	2 @ 2 1/2
Putty.....	75 @ 1 00	1 @ 1 1/2	1 @ 1 1/2	@ 1
Whiting.....	130 @ 2 00	2 @ 3	1 1/2 @ 2	@ 1
Paris white, (Eng).....	5 @ 6	7 @ 7 1/2	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 75 @ 3 00	per keg @ 2 25
101. common.....	@ 2 60	@ 2 10	@ 2 35	@ 2 30
Shingle.....	@ 3 35	@ 2 20	@ 2 75	@ 2 60
Lath.....	@ 4 85	@ 3 10	@ 3 65	3 60 @ 4 75
(Finishing nails according to size).....	@	@	Add .85 to \$1.15	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 @ 2 00
Acorn, Japanned.....	@ 65	@ 50	Not Sold.	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).....	@	@	@	@ 1 00
Ebony.....	@	@	@	@ 35
Apple wood.....	@	@	@	37 @ 1 00
Knobs: (P set)				
Mineral, best.....	@ 8	@ 8	8 @ 10	@ 06
Lava.....	Not Sold.	17 @ 33	65 @ 80	25 @ 50
Hemacite.....	@ 30	@ 10	25 @ 30	@ 25
Porcelain.....	Not Sold.	@ 50	Not Sold.	1 00 @ 2 50
Glass, solid.....	Not Sold.	88 @ 1 00	@ 1 50	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.....	@	@	13 @ 16	13 1/2 @ 16
Solder:				
Sheet Lead.....	@	@ 7 1/2	@ 7	@ 6 1/2
Lead Pipe.....	@	@ 6 1/2	@ 6 1/2	@ 6
Iron:				
I-Beams, up to and including 36 ft.....	3 3-10 @ 3 1/2	@ 3 1-10	@	@ 2 8-10
I-Beams, over 36 ft. 1, 1 1/2 c. advance.....	3 3-10 @ 3 1/2	@ 3 1-10	3 20 @ 3 70	@ 2 8-10
Channel-Beams.....	3 3-10 @ 3 1/2	@ 3 1-10	3 20 @ 2 70	@ 2 8-10

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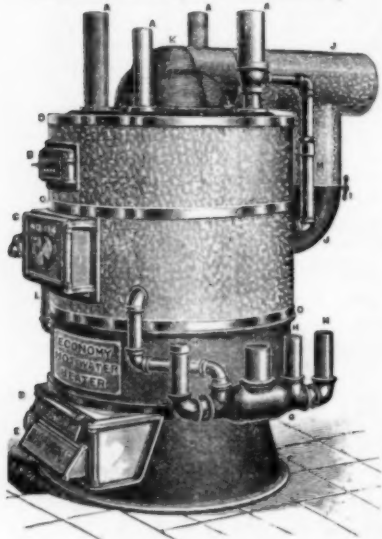
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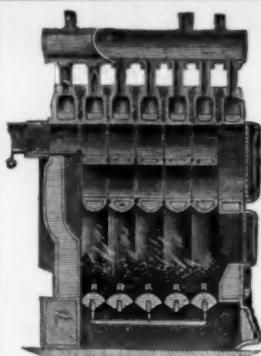
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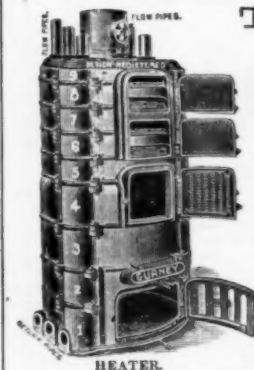
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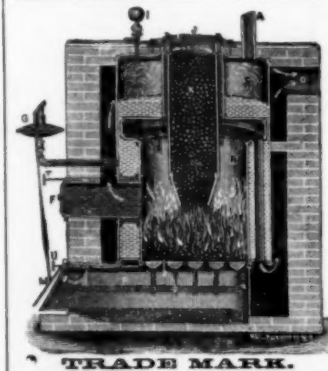
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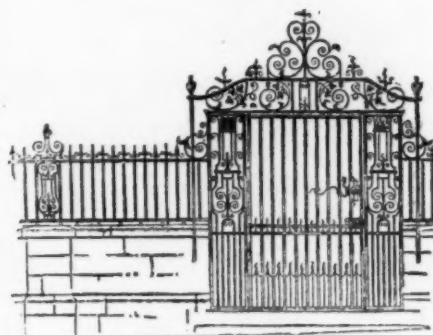
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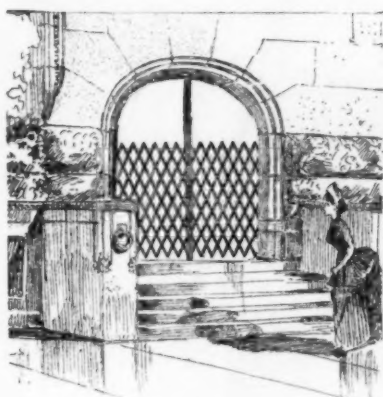
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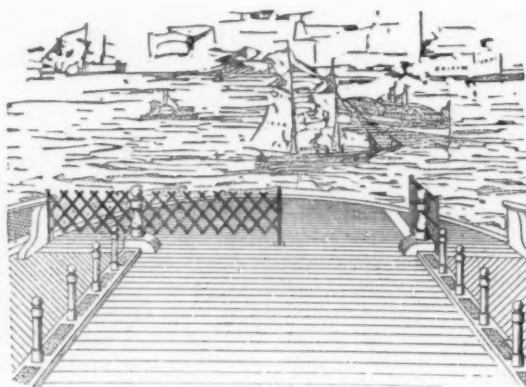
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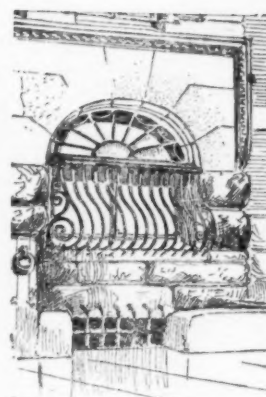
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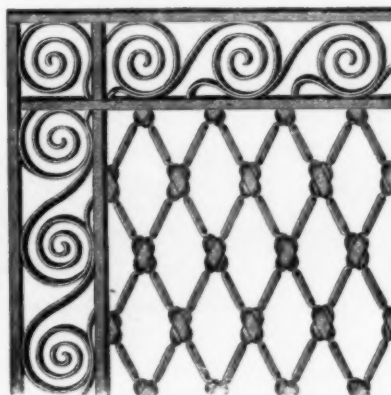
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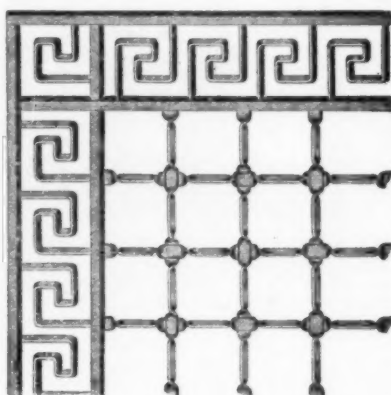
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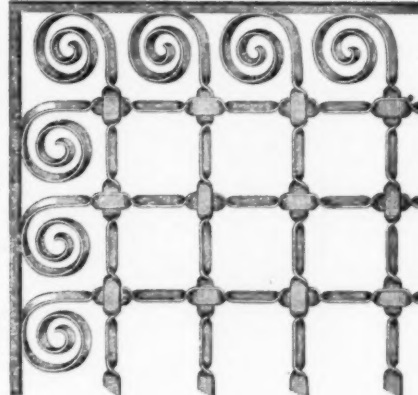
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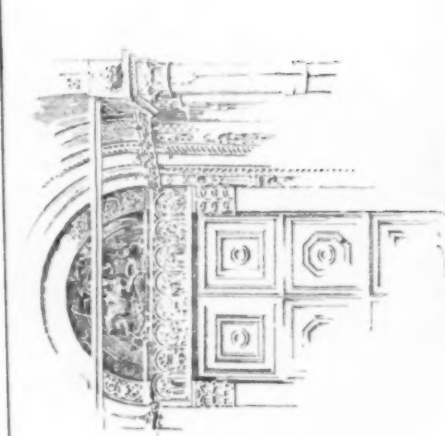
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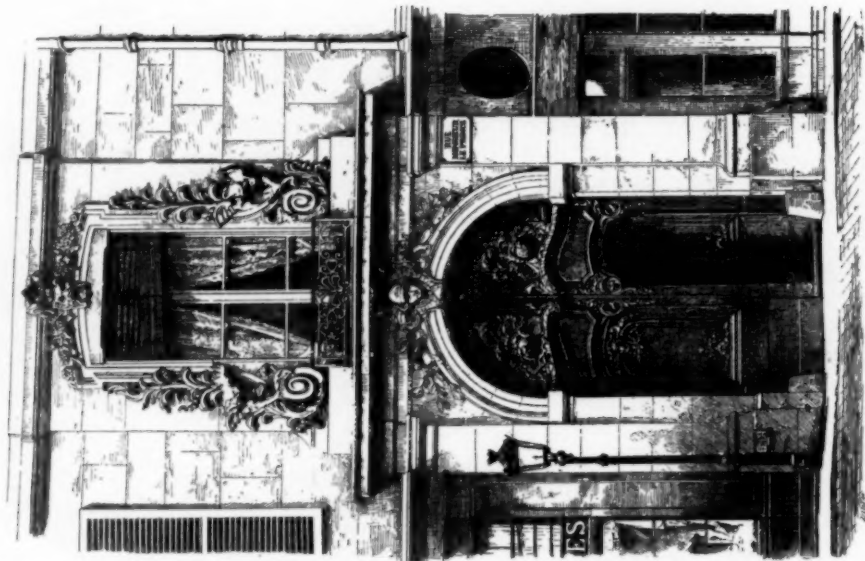
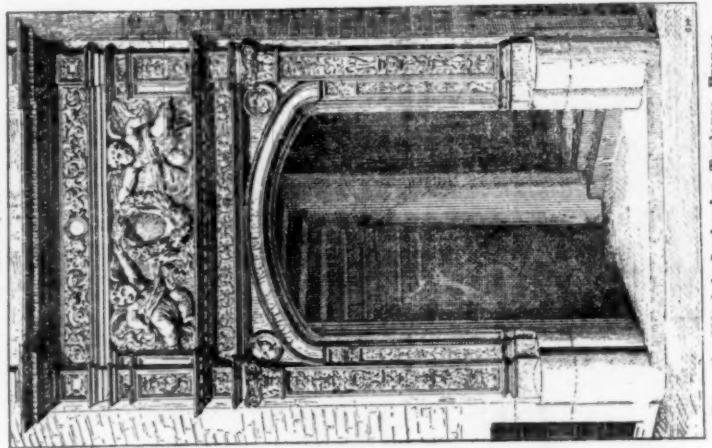
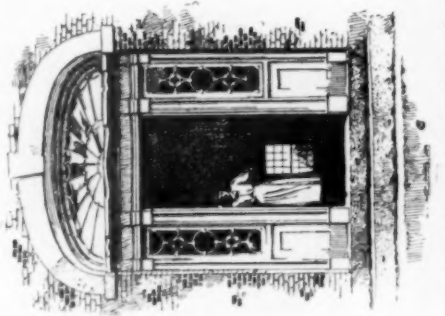
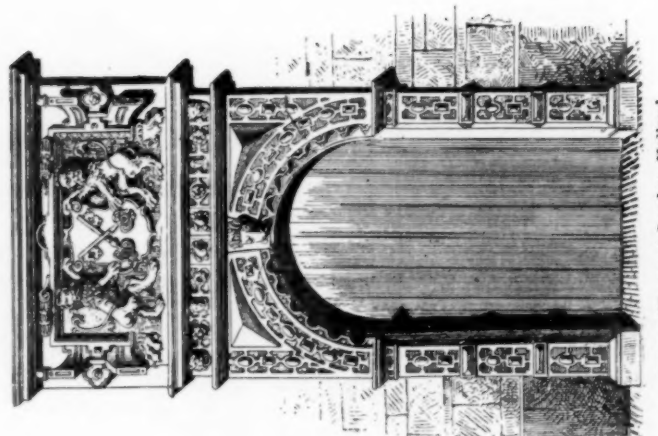
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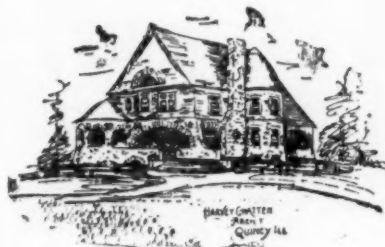
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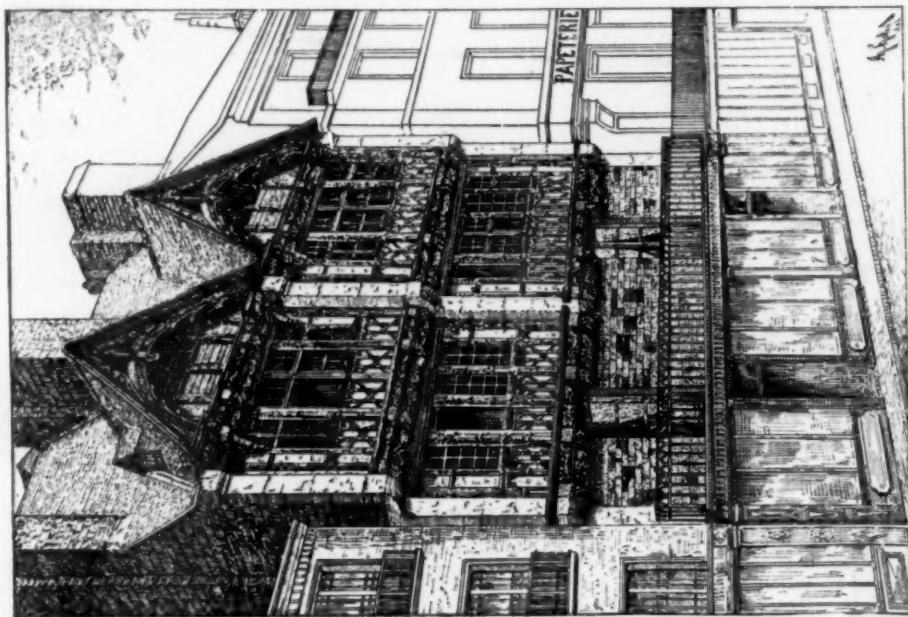
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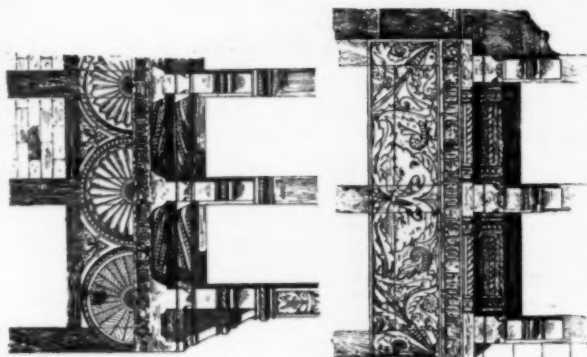
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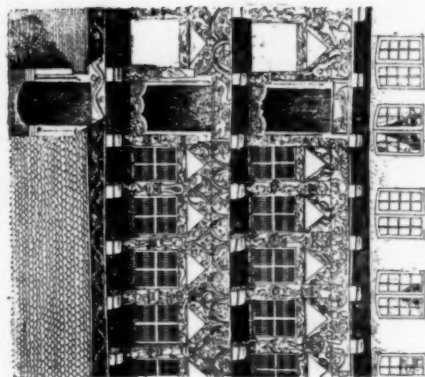
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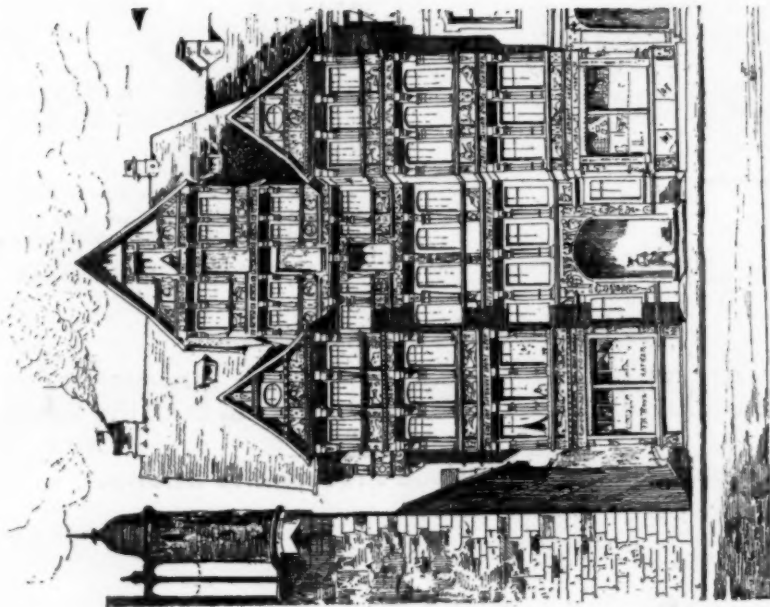
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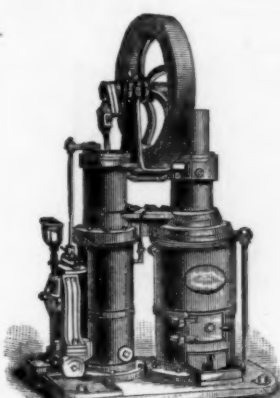
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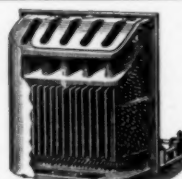
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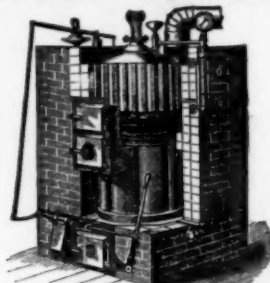
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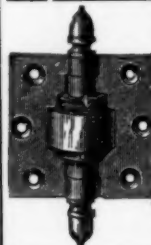
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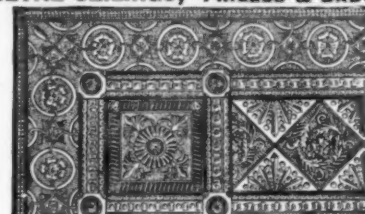
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architects and builders, Geo. Fletcher & Sons, 38 Grove St.

Stanhope St., n s, 100' w Knickerbocker Ave., 3 three-st'y frame dwells, tin roofs; cost, \$4,500; owner and builder, Geo. Gess, 187 Stanhope St.; architect, Geo. Hillenbrand, 218 Bleecker St.

Nostrand Ave., w s, 278' s Myrtle Ave., four-st'y brick dwell., tin roof; cost, \$8,000; owner, H. Ehrmann, 126 Stockton St.; architect, Chas. Gessner, 82 Throop Ave.

Stagg St., n s, 250' w Morgan Ave., three-st'y brick dwell., tin roof; cost, \$10,000; owners and builders, A. Keupp and G. Poetsh, 76 Debevoise St.; architect, Frank Holmberg, 1169 Broadway.

Knickerbocker Ave., w s, 50' n Starr St., three-st'y frame dwell., tin roof; cost, \$7,000; owner, E. T. Jenkins, 881 Park Ave.; architect, F. Holmberg, 1169 Broadway.

Camden, N. J.—Linden St., bet. Seventh and Eighth Sts., 5 two-st'y brick dwells.; builders, D. Leonard Moore & Co., Main and Fourth Sts.

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Chester, Pa.—Horace Jackson will prepare plans and build a dwell. for James Sproul.

Chicago, Ill.—Charles E. Falsenben, 8 three-st'y dwells., 4533-4547 Greenwood Ave.; cost, \$100,000. James Ganson, 2 two-st'y dwells., 1235-1297 West Adams St.; cost, \$10,000.

A. E. Burgland, two-st'y dwell., 1187 Rokeby St.; cost, \$3,000.

J. W. Ellsworth, two-st'y dwell. and art gallery, 1820 Michigan Ave.; cost, \$40,000.

T. Bennett, two-st'y dwell., Seventy-second St., near Emerald Ave.; cost, \$4,000.

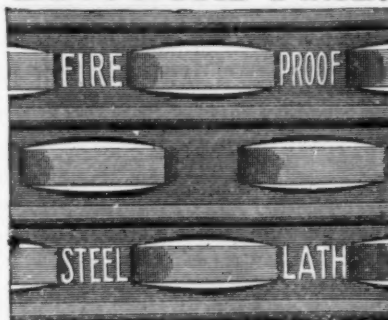
Felix Dolder, 11 two-st'y dwells., Adams Ave., near Seventy-fourth St.; cost, \$25,000.

Barry Bros., 10 three-st'y dwells., 4517-4535 Ellis Ave.; cost, \$120,000.

J. R. Young, two-st'y dwell., 6410 Sangamon St.; cost, \$2,500.

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Mrs. Mary Hennessy, two-st'y frame dwell., Fisher Ave.; cost, \$2,600; architect, W. Lawrence.

Miss Louisa Homan, two-and-one-half-st'y brick and stone dwell., Bishop St.; cost, \$4,000; architects, Rieg & Marty.

Theo. Hilbert, four-st'y brick and stone dwell. and store, Freeman Ave.; cost, \$6,500; architects, Brink Bros.

J. J. Richardson, three-and-one-half-st'y brick and stone dwell. and store, Spring Grove Ave.; cost, \$2,500; architect, A. Kunz.

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dwelling, Ingleside Pl.; cost, \$8,000; architect, A. O. Elzner.

A. Oldenbuettel, two-and-one-half-st'y brick and stone dwelling, Vine St.; cost, \$4,000; architects, Rieg & Marty.

John Schroth, two-and-one-half-st'y brick and stone dwelling, and two-st'y carriage-house, Massachusetts St.; cost, \$7,500; architect, A. J. Bast.

Coatesville, Pa.—A number of dwellings will be built by Henry Bronson, contractor.

Collingswood, N. J.—Collings Ave., cor. Main St., dwelling for F. A. North.

Conshohocken, Pa.—The plans for the dwelling of Allen Wood have been completed; architects, F. L. & W. L. Price, 731 Walnut St., Philadelphia.

Detroit, Mich.—Nutt & Clark, brick dwelling, 210 Ferry Ave.; cost, \$10,500.

John S. Mallist, brick dwelling, 762 Humboldt Ave.; cost, \$3,600.

J. E. Mills, frame dwelling, Blaine Ave.; cost, \$3,600.

D. C. Whitney, brick dwelling, Alfred St.; cost, \$20,000; architect, G. W. Lloyd.

F. Evans, frame dwelling, 763 Humboldt Ave.; cost, \$3,600.

A. Corbelle, three frame dwellings, 610-614-618 Putnam Ave.; cost, \$5,500.

A. F. Crombe, frame dwelling, 818 Humboldt Ave.; cost, \$3,100.

M. K. Snells, frame dwelling, 57 Hamlin Ave.; cost, \$4,000.

D. S. Barr, three frame dwellings.

D. S. Barr, double frame dwelling, 1580-82 Michigan Ave.; cost, \$4,500.

Chas. Kulow, brick dwelling, 120 Pulford St.; cost, \$4,000.

H. W. Raper & Co., three frame dwellings, 1230-31-61 Nineteenth St.; cost, \$6,800.

Minneapolis, Minn.—Geo. H. Holt & Co., two-st'y frame dwelling, 2110 Park Ave.; cost, \$8,000.

P. B. Mann, two-st'y double frame dwelling, 1609 and 1611 Portland Ave.; cost, \$8,000.

T. P. Healy, two-st'y frame dwelling, 3123 Second Ave.; cost, \$5,000.

David Nicol, two-st'y frame dwelling, 2210 Bryant Ave.; cost, \$5,000.

Edmond Palmer, three-st'y brownstone and pressed brick dwelling, 1500 Stevens Ave.; cost, \$15,000.

Edmond Palmer, three-st'y brownstone and pressed brick dwelling, 1504 Stevens Ave.; cost, \$15,000.

New York, N. Y.—River View Terrace, w s s, 200's Morris Dock station, seven-st'y brick dwelling; cost, \$5,000; owners, The Sponable Company, Morris

BUILDING INTELLIGENCE.

Heights, N. Y.; architect, H. E. Marshall, Morris Heights, N. Y.

East Sixty-ninth St., No. 14, four-st'y brick dwelling, tin and tile roof; cost, \$45,000; owner, Mary J. Josephine, 334 Fifth Ave.; architect, L. C. Holden, 1 Union Square.

Stebbins Ave., No. 1151, three-st'y brick dwelling, tin roof; cost, \$14,000; owner, Margaretha Goerg, 1149 Stebbins Ave.; architect, Fred Ebeling, 3 First Ave.

Seventy-first St., No. 80, four-st'y brick dwelling, tin roof; cost, \$30,000; owner, John S. Hawley, East Orange, N. J.; architect, J. K. Thomas, 160 Broadway.

One Hundred and Sixty-ninth St., n s s, 220' w Sheridan Ave., two-st'y brick dwelling, tin roof; cost, \$5,000; owner, E. W. Hargrave, One Hundred and Sixty-ninth St. and Sheridan Ave.; architect, Andrew Spence, 163 East One Hundred and Twenty-fifth St.

Bathgate Ave., e s s, 243's One Hundred and Seventy-fifth St., 4 three-st'y brick and frame dwellings, tin roofs; cost, \$24,000; owner, William Fernschild, 1777 Bathgate Ave.; architect, Andrew Spence, 163 East One Hundred and Twenty-fifth St.

Eighty-fifth St., s s s, 250' w Ninth Ave., 11 three-st'y brick dwellings, tin roofs; cost, \$154,000; owner, D. Willis James, 11 Cliff St.; architect, John G. Prague, Eighty-fifth St. and Tenth Ave.

Philadelphia, Pa.—Twenty-fourth St., w s s, York St., 3 two-st'y brick dwellings; builder, S. B. Cawley, 1443 North Thirteenth St.

Thirty-first St., bet. Norris and Diamond Sts., 9 two-st'y brick dwellings; owner, W. F. Albrecht, 2341 North Twenty-ninth St.

Centrell St., s s s, Second St., 18 two-st'y brick dwellings; owners, Brennan Bros., 1623 South Seventeenth St.

Hancock St., e s s, bet. Snyder Ave. and McKean St., 4 two-st'y brick dwellings; owners, Brennan Bros., 1623 South Seventeenth St.

East Second St., w s s, McKean St., 4 two-st'y brick dwellings; owners, Brennan Bros., 1623 South Seventeenth St.

Pierce St., s s s, bet. Twenty-first and Twenty-second Sts., 16 two-st'y dwellings; owner, Wm. McCluster, 1400 South Twenty-second St.

Lydia St., s s s, bet. Twenty-fifth and Twenty-sixth Sts., three-st'y brick dwelling; builder, George S. Roth, East Union Ave.

Girard Ave., s s s, bet. Fortieth and Forty-first Sts., 5 three-st'y brick dwellings; contractor, F. J. Amweg, Hale Building.

North Sixth St., No. 43, five-st'y brick dwelling; contractor, Chas. D. Hill, 1511 North Twenty-seventh St.

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Two-st'y brick dwelling; cost, \$4,800; owner, J. Devine; contractor, R. J. Loyd.

Two-st'y brick double dwelling; cost, \$4,000; owner, P. Seanzli; contractors, Wamkoff & Kennel.

Two-st'y brick dwelling; cost, \$3,000; owner, J. B. Martineau; contractor, S. De Lille.

Two-st'y brick dwelling; cost, \$3,500; owner, F. Koch; contractor, S. De Lille.

Two-st'y brick dwelling; cost, \$3,500; owner and contractor, M. Haughey.

Two-st'y brick dwelling; cost, \$2,700; owner, R. Davis; contractor, B. Carley.

Two-st'y brick dwelling; cost, \$3,200; owner, J. S. King; contractor, C. Sudhoelter.

Two-st'y brick dwelling; cost, \$4,300; owner, J. Goerner; contractor, P. Tiernan.

Worcester, Mass.—Mayfield St., two-st'y frame dwelling; owner and contractor, Geo. Pierce.

Vinton St., 2 one-and-one-half-st'y frame dwellings; owner, A. M. Thompson; contractor, O. M. Ball; architect, W. H. Harvey.

Bumcoat St., two-st'y frame dwelling; owner, J. Rankin; contractors, Rankin & Woodside.

Coe St., two-st'y frame dwelling; owner and contractor, Geo. W. Smith.

Ledge St., 3 three-st'y frame dwellings; owners, J. Lewis and B. Sedersky; contractor, J. A. Courtmanche; architects, Barker & Nourse.

Whipple St., 2 two-and-one-half-st'y dwellings; owner, Chas. Enberg; contractor, L. M. Petterson.

Lever St., two-st'y private dwelling; owner, W. B. Nourse; contractor, J. O. Elliott; architects, Barker & Nourse.

Vernon St., three-st'y frame dwelling; owner, Mortimer J. Donahue; contractor, P. Casey.

PROPOSALS.

March 21, 1892. Sealed proposals will be received at the office of the Supervising Architect, Treasury Department, Washington, D. C., until two o'clock P. M. on the 13th day of April, 1892, and opened immediately thereafter, for all the labor and materials required for the approaches to the United States Custom-house and Post-office building at New Bedford, Mass., in accordance with drawing and specification, copies of which may be had on application at this office or the office of the Superintendent, New Bedford, Mass.

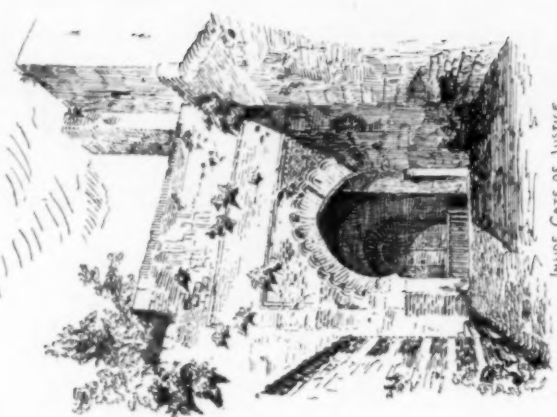
(Continued on page xix.)

The following from the new work by Prof. Geo. P. Merrill, Curator of the Department of Geology, Smithsonian Institution, "Stones for Building and Decoration," refers to Potsdam Red Sandstone :

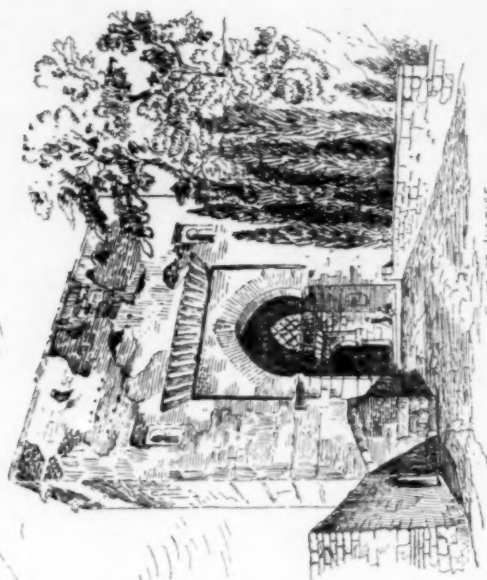
"The Potsdam stone shows, however, a markedly different structure. Here the granules are wholly of quartz and very much rounded in form. The original rounded outline of the quartz granule is shown by the dotted lines and deeply shaded portions (referring to microscopic section) while every portion of the interstices is occupied by a clear, colorless, silicious cement, binding the rock into a hard, compact and impervious quartzite, almost absolutely unaffected by chemical and atmospheric agencies. This rock shows to beautiful advantage the secondary enlargement of quartz granules by deposition of interstitial silica, having the same crystallographic orientation as the granules themselves." Page 37.

"I consider this, from the standpoint of durability, almost an ideal stone. Composed wholly of quartz grains, it has by deposition of interstitial silica, become converted into a compact quartzite, impregnated with just enough iron oxide to give it a reddish, or brownish red color. It is, therefore, practically non-absorptive, and its surface affords no foothold for growing organism. Strong as the strongest granite, and not liable to chemical disintegration from atmospheric agencies, the stone deserves even a wider recognition than it has yet received." Page 273.

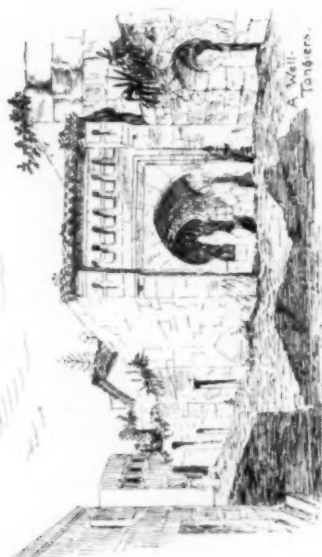
The Potsdam Red Sandstone Company, Potsdam, N. Y. is desirous that architects should inform themselves fully regarding this stone, and will send samples prepaid, to any architect applying for them. Full expert opinions sent on request.



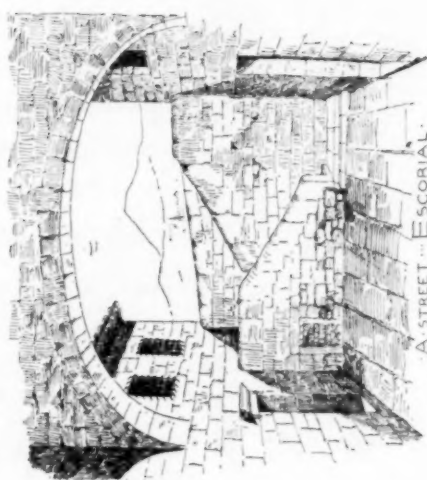
INSIDE GATE OF JUSTICE



GATE OF JUSTICE



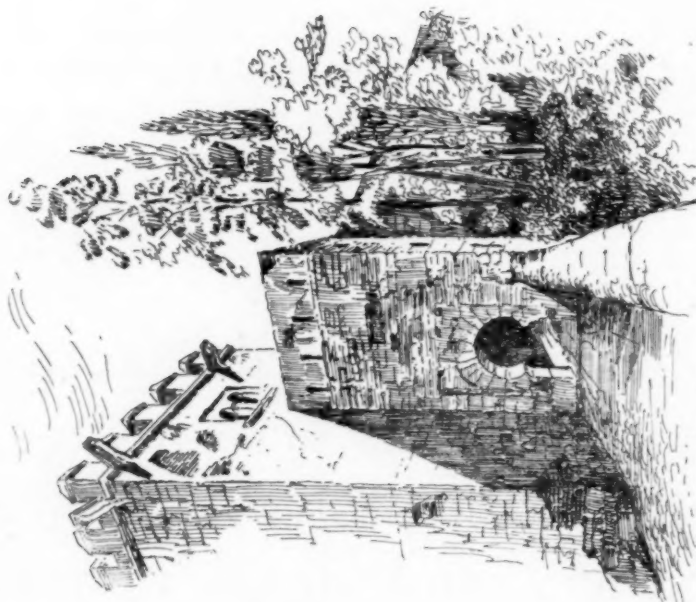
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March 21, 1892. Sealed proposals will be received at the office of the Supervising Architect, Treasury Department, Washington, D. C., until 2 o'clock P. M., on the 20th day of April, 1892, and opened immediately thereafter, for all the labor and materials required for the erection and completion (except heating-apparatus) of the United States Post-office building at Lafayette, Ind., in accordance with drawings and specification, copies of which may be had on application at this office or the office of the Superintendent at Lafayette, Ind. 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. All proposals received after the time stated will be returned to the bidders. Proposals must be enclosed in envelopes sealed and marked "Proposals for the Erection and Completion (except Heating-Apparatus) of the United States Post-office building at Lafayette, Ind.," and addressed to W. J. EDBROOKE, Supervising Architect. 849

March 18, 1892. Sealed proposals will be received

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BENBOR

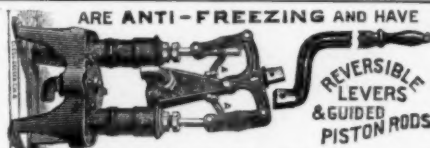


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at the office of the Supervising Architect, Treasury Department, Washington, D. C., until 2 o'clock P. M., on the 12th day of April, 1892, and opened immediately thereafter, for all the labor and materials required for the plumbing, gas-piping, etc., for the United States Court-house and Post-office building at Birmingham, Ala., in accordance with the drawings and specification, copies of which may be had on application at this office and the office of the superintendent at Birmingham, Ala. 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; all proposals received after the time stated will be returned to the bidder. Proposals must be enclosed in envelopes sealed and marked "Proposals for Plumbing, Gas-piping, etc., required for the United States Court-house and Post-office building at Birmingham, Ala.," and addressed to W. J. EDBROOKE, Supervising Architect. 849

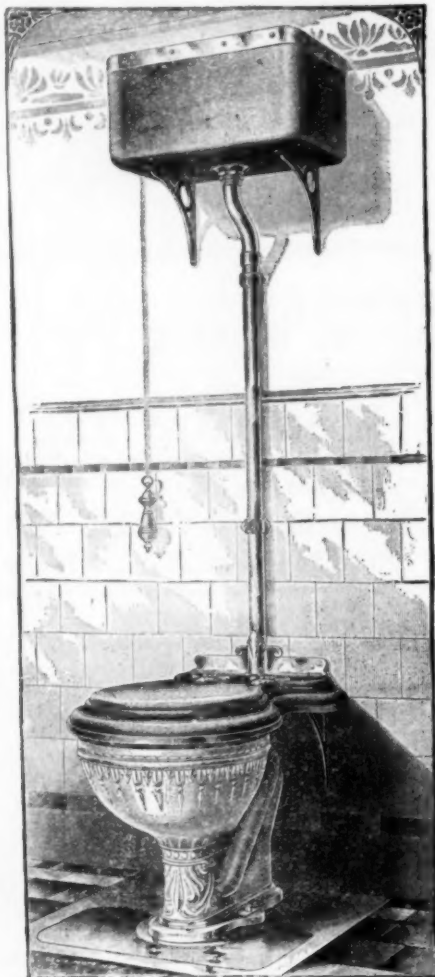
PROPOSALS.

March 9, 1892. Sealed proposals will be received at the Office of the Supervising Architect, Treasury Department, Washington, D. C., until 2 o'clock P. M., on the 6th day of April, 1892, and opened immediately thereafter, for all the labor and material required for decorative painting, etc., for the United States Court-house and Post-office building at Grand Rapids, Mich., in accordance with the drawings and specification, copies of which may be had on application at this office or the office of the Custodian at Grand Rapids, Mich. 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. All bids received after the time stated will be returned to the bidder. Proposals must be enclosed in envelopes sealed and marked "Proposal for Decorative Painting, etc., for the United States Court-house and Post-office building at Grand Rapids, Mich.," and addressed to W. J. EDBROOKE, Supervising Architect. 848

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Of all Building Materials.

[See Alphabetical Index on page XI for Pagination.]

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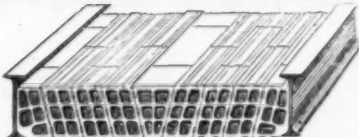
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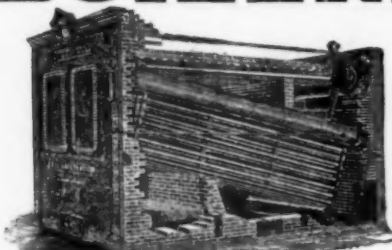
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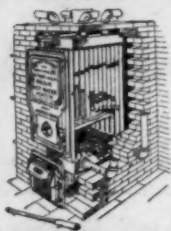
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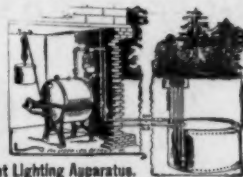
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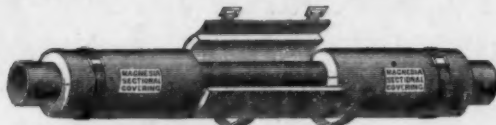


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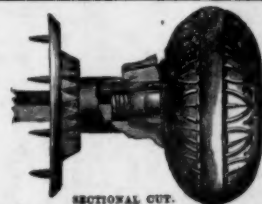
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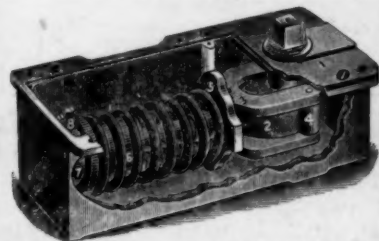
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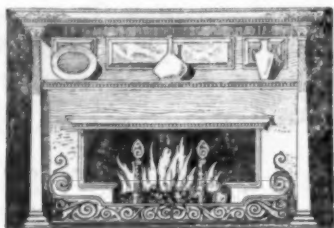
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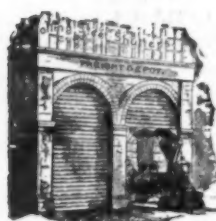
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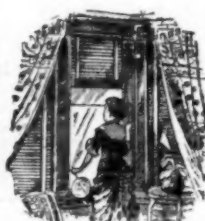
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3/4	18 3/4 to 19	19 to 19 1/4	19 1/4 to 19 1/2	19 1/2 to 19 3/4	19 3/4 to 20	20 to 20 1/4	20 1/4 to 20 1/2	20 1/2 to 20 3/4	20 3/4 to 21	21 to 21 1/4	21 1/4 to 21 1/2	21 1/2 to 21 3/4	21 3/4 to 22	22 to 22 1/4	22 1/4 to 22 1/2	22 1/2 to 22 3/4	22 3/4 to 23	23 to 23 1/4	23 1/4 to 23 1/2	23 1/2 to 23 3/4	23 3/4 to 24	24 to 24 1/4	24 1/4 to 24 1/2	24 1/2 to 24 3/4	24 3/4 to 25	25 to 25 1/4	25 1/4 to 25 1/2	25 1/2 to 25 3/4	25 3/4 to 26	26 to 26 1/4	26 1/4 to 26 1/2	26 1/2 to 26 3/4	26 3/4 to 27	27 to 27 1/4	27 1/4 to 27 1/2	27 1/2 to 27 3/4	27 3/4 to 28	28 to 28 1/4	28 1/4 to 28 1/2	28 1/2 to 28 3/4	28 3/4 to 29	29 to 29 1/4	29 1/4 to 29 1/2	29 1/2 to 29 3/4	29 3/4 to 30	30 to 30 1/4	30 1/4 to 30 1/2	30 1/2 to 30 3/4	30 3/4 to 31	31 to 31 1/4	31 1/4 to 31 1/2	31 1/2 to 31 3/4	31 3/4 to 32	32 to 32 1/4	32 1/4 to 32 1/2	32 1/2 to 32 3/4	32 3/4 to 33	33 to 33 1/4	33 1/4 to 33 1/2	33 1/2 to 33 3/4	33 3/4 to 34	34 to 34 1/4	34 1/4 to 34 1/2	34 1/2 to 34 3/4	34 3/4 to 35	35 to 35 1/4	35 1/4 to 35 1/2	35 1/2 to 35 3/4	35 3/4 to 36	36 to 36 1/4	36 1/4 to 36 1/2	36 1/2 to 36 3/4	36 3/4 to 37	37 to 37 1/4	37 1/4 to 37 1/2	37 1/2 to 37 3/4	37 3/4 to 38	38 to 38 1/4	38 1/4 to 38 1/2	38 1/2 to 38 3/4	38 3/4 to 39	39 to 39 1/4	39 1/4 to 39 1/2	39 1/2 to 39 3/4	39 3/4 to 40	40 to 40 1/4	40 1/4 to 40 1/2	40 1/2 to 40 3/4	40 3/4 to 41	41 to 41 1/4	41 1/4 to 41 1/2	41 1/2 to 41 3/4	41 3/4 to 42	42 to 42 1/4	42 1/4 to 42 1/2	42 1/2 to 42 3/4	42 3/4 to 43	43 to 43 1/4	43 1/4 to 43 1/2	43 1/2 to 43 3/4	43 3/4 to 44	44 to 44 1/4	44 1/4 to 44 1/2	44 1/2 to 44 3/4	44 3/4 to 45	45 to 45 1/4	45 1/4 to 45 1/2	45 1/2 to 45 3/4	45 3/4 to 46	46 to 46 1/4	46 1/4 to 46 1/2	46 1/2 to 46 3/4	46 3/4 to 47	47 to 47 1/4	47 1/4 to 47 1/2	47 1/2 to 47 3/4	47 3/4 to 48	48 to 48 1/4	48 1/4 to 48 1/2	48 1/2 to 48 3/4	48 3/4 to 49	49 to 49 1/4	49 1/4 to 49 1/2	49 1/2 to 49 3/4	49 3/4 to 50	50 to 50 1/4	50 1/4 to 50 1/2	50 1/2 to 50 3/4	50 3/4 to 51	51 to 51 1/4	51 1/4 to 51 1/2	51 1/2 to 51 3/4	51 3/4 to 52	52 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3/4	68 3/4 to 69	69 to 69 1/4	69 1/4 to 69 1/2	69 1/2 to 69 3/4	69 3/4 to 70	70 to 70 1/4	70 1/4 to 70 1/2	70 1/2 to 70 3/4	70 3/4 to 71	71 to 71 1/4	71 1/4 to 71 1/2	71 1/2 to 71 3/4	71 3/4 to 72	72 to 72 1/4	72 1/4 to 72 1/2	72 1/2 to 72 3/4	72 3/4 to 73	73 to 73 1/4	73 1/4 to 73 1/2	73 1/2 to 73 3/4	73 3/4 to 74	74 to 74 1/4	74 1/4 to 74 1/2	74 1/2 to 74 3/4	74 3/4 to 75	75 to 75 1/4	75 1/4 to 75 1/2	75 1/2 to 75 3/4	75 3/4 to 76	76 to 76 1/4	76 1/4 to 76 1/2	76 1/2 to 76 3/4	76 3/4 to 77	77 to 77 1/4	77 1/4 to 77 1/2	77 1/2 to 77 3/4	77 3/4 to 78	78 to 78 1/4	78 1/4 to 78 1/2	78 1/2 to 78 3/4	78 3/4 to 79	79 to 79 1/4	79 1/4 to 79 1/2	79 1/2 to 79 3/4	79 3/4 to 80	80 to 80 1/4	80 1/4 to 80 1/2	80 1/2 to 80 3/4	80 3/4 to 81	81 to 81 1/4	81 1/4 to 81 1/2	81 1/2 to 81 3/4	81 3/4 to 82	82 to 82 1/4	82 1/4 to 82 1/2	82 1/2 to 82 3/4	82 3/4 to 83	83 to 83 1/4	83 1/4 to 83 1/2	83 1/2 to 83 3/4	83 3/4 to 84	84 to 84 1/4	84 1/4 to 84 1/2	84 1/2 to 84 3/4	84 3/4 to 85	85 to 85 1/4	85 1/4 to 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1/2	116 1/2 to 116 3/4	116 3/4 to 117	117 to 117 1/4	117 1/4 to 117 1/2	117 1/2 to 117 3/4	117 3/4 to 118	118 to 118 1/4	118 1/4 to 118 1/2	118 1/2 to 118 3/4	118 3/4 to 119	119 to 119 1/4	119 1/4 to 119 1/2	119 1/2 to 119 3/4	119 3/4 to 120	120 to 120 1/4	120 1/4 to 120 1/2	120 1/2 to 120 3/4	120 3/4 to 121	121 to 121 1/4	121 1/4 to 121 1/2	121 1/2 to 121 3/4	121 3/4 to 122	122 to 122 1/4	122 1/4 to 122 1/2	122 1/2 to 122 3/4	122 3/4 to 123	123 to 123 1/4	123 1/4 to 123 1/2	123 1/2 to 123 3/4	123 3/4 to 124	124 to 124 1/4	124 1/4 to 124 1/2	124 1/2 to 124 3/4	124 3/4 to 125	125 to 125 1/4	125 1/4 to 125 1/2	125 1/2 to 125 3/4	125 3/4 to 126	126 to 126 1/4	126 1/4 to 126 1/2	126 1/2 to 126 3/4	126 3/4 to 127	127 to 127 1/4	127 1/4 to 127 1/2	127 1/2 to 127 3/4	127 3/4 to 128	128 to 128 1/4	128 1/4 to 128 1/2	128 1/2 to 128 3/4	128 3/4 to 129	129 to 129 1/4	129 1/4 to 129 1/2	129 1/2 to 129 3/4	129 3/4 to 130	130 to 130 1/4	130 1/4 to 130 1/2	130 1/2 to 130 3/4	130 3/4 to 131	131 to 131 1/4	131 1/4 to 131 1/2	131 1/2 to 131 3/4	131 3/4 to 132	132 to 132 1/4	132 1/4 to 132 1/2	132 1/2 to 132 3/4	132 3/4 to 133	133 to 133 1/4	133 1/4 to 133 1/2	133 1/2 to 133 3/4	133 3/4 to 134	134 to 134 1/4	134 1/4 to 134 1/2	134 1/2 to 134 3/4	134 3/4 to 135	135 to 135 1/4	135 1/4 to 135 1/2	135 1/2 to 135 3/4	135 3/4 to 136	136 to 136 1/4	136 1/4 to 136 1/2	136 1/2 to 136 3/4	136 3/4 to 137	137 to 137 1/4	137 1/4 to 137 1/2	137 1/2 to 137 3/4	137 3/4 to 138	138 to 138 1/4	138 1/4 to 138 1/2	138 1/2 to 138 3/4	138 3/4 to 139	139 to 139 1/4	139 1/4 to 139 1/2	139 1/2 to 139 3/4	139 3/4 to 140	140 to 140 1/4	140 1/4 to 140 1/2	140 1/2 to 140 3/4	140 3/4 to 141	141 to 141 1/4	141 1/4 to 141 1/2	141 1/2 to 141 3/4	141 3/4 to 142	142 to 142 1/4	142 1/4 to 142 1/2	142 1/2 to 142 3/4	142 3/4 to 143	143 to 143 1/4	143 1/4 to 143 1/2	143 1/2 to 143 3/4	143 3/4 to 144	144 to 144 1/4	144 1/4 to 144 1/2	144 1/2 to 144 3/4	144 3/4 to 145	145 to 145 1/4	145 1/4 to 145 1/2	145 1/2 to 145 3/4	145 3/4 to 146	146 to 146 1/4	146 1/4 to 146 1/2	146 1/2 to 146 3/4	146 3/4 to 147	147 to 147 1/4	147 1/4 to 147 1/2	147 1/2 to 147 3/4	147 3/4 to 148	148 to 148 1/4	148 1/4 to 148 1/2	148 1/2 to 148 3/4	148 3/4 to 149	149 to 149 1/4	149 1/4 to 149 1/2	149 1/2 to 149 3/4	149 3/4 to 150	150 to 150 1/4	150 1/4 to 150 1/2	150 1/2 to 150 3/4	150 3/4 to 151	151 to 151 1/4	151 1/4 to 151 1/2	151 1/2 to 151 3/4	151 3/4 to 152	152 to 152 1/4	152 1/4 to 152 1/2	152 1/2 to 152 3/4	152 3/4 to 153	153 to 153 1/4	153 1/4 to 153 1/2	153 1/2 to 153 3/4	153 3/4 to 154	154 to 154 1/4	154 1/4 to 154 1/2	154 1/2 to 154 3/4	154 3/4 to 155	155 to 155 1/4	155 1/4 to 155 1/2	155 1/2 to 155 3/4	155 3/4 to 156	156 to 156 1/4	156 1/4 to 156 1/2	156 1/2 to 156 3/4	156 3/4 to 157	157 to 157 1/4	157 1/4 to 157 1/2	157 1/2 to 157 3/4	157 3/4 to 158	158 to 158 1/4	158 1/4 to 158 1/2	158 1/2 to 158 3/4	158 3/4 to 159	159 to 159 1/4	159 1/4 to 159 1/2	159 1/2 to 159 3/4	159 3/4 to 160	160 to 160 1/4	160 1/4 to 160 1/2	160 1/2 to 160 3/4	160 3/4 to 161	161 to 161 1/4	161 1/4 to 161 1/2	161 1/2 to 161 3/4	161 3/4 to 162	162 to 162 1/4	162 1/4 to 162 1/2	162 1/2 to 162 3/4	162 3/4 to 163	163 to 163 1/4	163 1/4 to 163 1/2	163 1/2 to 163 3/4	163 3/4 to 164	164 to 164 1/4	164 1/4 to 164 1/2	164 1/2 to 164 3/4	164 3/4 to 165	165 to 165 1/4	165 1/4 to 165 1/2	165 1/2 to 165 3/4	165 3/4 to 166	166 to 166 1/4	166 1/4 to 166 1/2	166 1/2 to 166 3/4	166 3/4 to 167	167 to 167 1/4	167 1/4 to 167 1/2	167 1/2 to 167 3/4	167 3/4 to 168	168 to 168 1/4	168 1/4 to 168 1/2	168 1/2 to 168 3/4	168 3/4 to 169	169 to 169 1/4	169 1/4 to 169 1/2	169 1/2 to 169 3/4	169 3/4 to 170	170 to 170 1/4	170 1/4 to 170 1/2	170 1/2 to 170 3/4	170 3/4 to 171	171 to 171 1/4	171 1/4 to 171 1/2	171 1/2 to 171 3/4	171 3/4 to 172	172 to 172 1/4	172 1/4 to 172 1/2	172 1/2 to 172 3/4	172 3/4 to 173	173 to 173 1/4	173 1/4 to 173 1/2	173 1/2 to 173 3/4	173 3/4 to 174	174 to 174 1/4	174 1/4 to 174 1/2	174 1/2 to 174 3/4	174 3/4
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