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THE Wisconsin Commissioner of Labor and Industrial Statistics has published his fourth biennial report, which contains an extraordinary amount of interesting matter. We have little faith in statistics, as they are often prepared, but Mr. Stark, instead of averages, gives us the original replies to his circulars of questions, which, this year, are addressed to workmen in the building-trades, from which we can make deductions for ourselves. We may begin by saying that the first deduction which most people will make is that Wisconsin may well be proud of the intelligent and sensible workingmen who can write such answers as are here printed. A very few seize the occasion to make themselves conspicuous by empty rhetoric over "capital" and "labor," but the great majority, even of men whose earnings do not reach four hundred dollars in a year, speak of their condition and prospects with perfect sincerity and good temper. Most people will be surprised to find how many workingmen there are in Wisconsin, even among those of experience and skill in their trades, whose income from their business does not amount to five hundred dollars a year. Out of the two hundred and fifty-nine carpenters, for example, who replied to Mr. Stark's circulars, only seventy-two, or less than twenty-eight per cent, returned their income from their trade at more than five hundred dollars for the preceding year, and the smallest average incomes, instead of being found, as would naturally be expected, among the mechanics in the villages and outlying portions of the State, were returned by the carpenters of the large and prosperous city of Milwaukee, of whom only twenty-five, out of one hundred and eight who replied to the circular, earned more than five hundred dollars during the year. It is not surprising that a considerable number of foreign-born mechanics, in replying to the question whether their condition was better in America than in the old country, said that their income was not only relatively, but actually larger in England or Holland or Germany, than in America. Most of these, however, with characteristic American hopefulness, say that they prefer living in America, and think that if some way could be devised by which they could get steady employment here, as they do in the old country, they would be better off here.

THE cause of the lack of employment, of which nearly all the mechanics speak, is not fully explained in the report. In the towns in the backwoods, where building is cheap and rough, carpenter-work and plastering are discontinued in the cold season; but in Milwaukee, where fine interior joiner-work, at least, goes on all the year round, more time is lost by the carpenters and joiners than anywhere else. We will leave the political economists to find out why it is that in Wisconsin, where manufactures of all kinds are being very rapidly developed, the blacksmiths, carpenters, masons, and painters are worse off than they have ever been, their average income being less than that of their predecessors twenty years ago, while the cost of living has greatly increased, and will only notice the good, old-fashioned American readiness with which, according to their reports, the country carpenters, almost without exception, acquire small tracts of land, which they cultivate in their idle moments, or spend the winter in the logging camps, or in other ways add something to their earnings, and live, to judge from what they write of themselves, contented, manly and useful lives, notwithstanding the disadvantages under which circumstances have placed them. It is pleasant to see that socialistic rant finds no favor among these good citizens of the Republic. Two years ago, as Mr. Stark observes, the letters which were sent him by working-men occasionally complained about "monopolies," and the other stock grievances of the demagogue, but by this time, as he says, "the Wisconsin workmen appear to have outgrown the influence that so-called labor leaders once had over them." Curiously enough, out of the five hundred and thirty-eight journeymen in the building trades who replied to the circulars, only seventy-three do not subscribe to some newspaper, magazine or trade journal, and the general intelligence is reflected in the quaint comments of some of the men upon labor matters. One man wishes to advise his younger fellows to "be frugal and temperate; always willing to learn from others, and always satisfied to attend strictly to their own business, and to let others do the same." "If he were an employer," he says, "he would as soon employ the devil as a labor-striker," and "one agitator," he adds, "will ruin a number of industrious and well-meaning, but inexperienced young men." Another man, a German, writes that he is "opposed to trades-unions, for the reason that a good man puts himself on a par with a poor one, and must help the poor one to better wages than he deserves, thereby sacrificing his own chances." A third, writing from Milwaukee, says that "On the whole, since the eight-hour strike of 1886, the building-trades are not so good as they used to be"; and another, also a Milwaukee man, a plumber, writes, "We went out on a strike on April 23, 1885, and wages have been going down ever since." Another Milwaukee plumber tells the same story, saying that "since the strike of plumbers in 1885, the trade has almost come down to a level with the carpenters' trade, which is very poor in this city." Milwaukee is an eight-hour city for the building-trades generally, and Mr. Stark affords us material for making a little study of the effect of short hours upon wages, so far as it is possible to draw conclusions from comparisons of the kind. Leaving out of the account San Francisco, the situation of which is exceptional, we find that in a list of thirty-nine of the principal cities of the United States, three had, at the time of writing the report, a tolerably universal eight-hour day. Eleven had a nine-hour day, seventeen either a ten-hour day, or ten hours in summer, and nine in winter; while in the rest the hours varied with the different trades so much that no comparison could be made. In the three eight-hour cities, the average wages per hour in all the building-trades, was thirty cents and eight-tenths; in the eleven nine-hour cities the average per hour was thirty cents and one-tenth; in the seventeen ten-hour cities the average was twenty-five and four-tenths. This would seem to indicate that a nine-hour day was most favorable to the workman, as he gets nearly the full eight-hour day wages for an extra hour each day; and that a ten-hour day was unfavorable; but the deduction is affected by the fact that the ten-hour system prevails mostly in small towns, where wages, as well as living expenses, are nearly always low. In fact, the rate of wages per hour follows population, to a great degree, New York, leaving out San Francisco, having the highest hourly average wages, with a nine-hour day, Brooklyn, the next, also with a nine-hour day, while Chicago, the fourth city in population, is third in rate of hourly wages, with an eight-hour day.

A CASE of no very great importance, involving the ownership of plans, was tried in England not long ago. Mr. Haward, an architect, sued his client for three hundred dollars commission, for some alterations in a house, and designs for stables, and for an additional sum of nearly five hundred dollars, "for time spent in the service of the defendant." The

latter claimed, on his part, the plans made by Mr. Haward, saying that they were his property, and deposited in court the three hundred dollars commission; and said that he had already paid the architect three hundred and sixty dollars for time spent, in addition to the commission, and thought that was sufficient. The plaintiff's counsel proved that the custom of architects was to charge for time spent in travelling, besides travelling expenses, but his witnesses did not think that the time actually spent in superintending the work should be charged for extra; and the judge decided for the defendant, with costs. In regard to the counter-claim for plans, the judge said that he thought they were the property of the employer, and ordered them given up, with costs of the suit.

MR. MACARTNEY, in the *British Architect*, makes some suggestive observations in regard to furnishing and decoration. Speaking of the æsthetic movement in England fifteen years ago, while he acknowledges the artistic capacity of its leaders, and their influence in improving the public taste, he thinks that the impression which they made has not been a lasting one, and that the community in general has gone back to what purport to be revivals of the Louis Quinze and Louis Seize styles, while only a vague impression remains of the superiority of "hand-made" art over machine work. This feeble impression, originally produced, apparently, by the reading of the works of Eastlake, Ruskin and Morris, is utilized by manufacturers in an amusing way. We all know how much more fashionable a hand-painted Christmas or Easter card is to the chromo-lithographed article, and some of us have probably stood amazed before the wretched little daubs which, under the label "Hand-painted," sold rapidly at a dollar apiece, while beautiful specimens of chromo-lithographed work went begging beside them for ten cents; but we have perhaps comforted ourselves with the supposition that these deplorable objects were probably the production of impoverished young ladies of distinguished family, who had found the practice of "art" the easiest way of earning a living. Mr. Macartney, however, dissipates this pleasing fancy by informing us that these "hand-painted" works of Christmas-card "art" are manufactured on a large scale at the East End of London. The "artists" are ragged boys and girls, employed for the occasion, and ignorant of the first rudiments of drawing. The *technique* adopted by these painters is very simple. Rows of cards, of the same pattern, are spread on tables, and the children walk from end to end of the rows, each time with a different color, which they apply in little daubs, successively on each card, until the application of the last color completes the row, which is then gathered up and packed off for sale. The price paid the young painters for these "original works of art" is eighty-five cents a gross, out of which they must provide their own colors.

ASIDE from this ridiculous fraud, which, however, could only impose on a grossly ignorant and unfeeling public, Mr. Macartney points out that the so-called "art-work" in the way of furniture with which we are deluged is, as a rule, more offensively ugly than what it is trying, with great flourish of trumpets, to replace. Why, he asks, does the painter show a homely old dog-grate in his cottage interiors, instead of introducing an American stove, covered all over with "high-art" ornament; or why does he prefer to furnish his pictures of country inns with rude settles, instead of illuminating them with the wealth of beauty, which, we are told, is spread all over the tufted sofa of the modern upholsterer? The answer is simple; because his instinct tells him at once that the simple old grate and the clumsy settle are truthful and expressive, while the Neo-Grec stove, and the sofa in imitation embroidery, are false, obtrusive and vulgar. Every artist and architect can understand this, but it is not so easy to find the remedy for the perversion of modern design. Mr. Macartney believes he has found it in the promotion of intercourse between artists and designers of all classes, and we are inclined to think he is right. The difficulty is not so much in want of knowledge among designers as in want of criticism. A new stove, for example, must have some design, and a young architect is probably called upon to make a drawing. He is given an outline to work from, and proceeds to cover all the surfaces with Greek, or Renaissance, or Romanesque patterns, well-designed, and well-drawn, but without any appropriateness or significance whatever. In the same way, the upholsterer buys a piece of cloth which, he is assured, is an exact imitation of a Cashmere shawl, and covers a tufted chair with it. Both of them think that their work, being copied from the best models, is beautiful; and it is not until a painter comes along, who knows nothing, and cares nothing, about Renaissance ornament and Persian patterns, that they discover that their stove and sofa are ugly, and begin to suspect how they might be made simpler and better. No doubt, the painter would make a worse hand at designing than either of them, for his imagination has not been trained to offer him ideas in such forms; but his criticism is just what they need to correct the prejudices in which they have been educated, just as theirs is often useful to him when he undertakes decorative painting. In the same way, the iron-worker and the glass-blower can teach the architect what their material is capable of; and he can show them how to use it effectively in architectural work, and so on through all the "arts and crafts." With this in view, a society was formed seven years ago in London, called the Art-Workers Guild, comprising potters, paper-stainers, modellers, iron-workers and architects, which holds fortnightly meetings to discuss papers or processes, and gives annually three or four exhibitions of needle-work, stained-glass and so on. It is interesting to know that the society was founded by five architects, all pupils of Mr. Norman Shaw, who sent invitations to various members of the artistic crafts to join them. Fifteen at once accepted the invitation, and the society has now grown to a membership of one hundred and fifty, and promises to have a wide influence in the artistic world.

THE daily papers have referred rather briefly to what is a somewhat curious case. The Earl of Radnor, in his house of Longford Castle, near Salisbury, has one of the finest collections of pictures in England, including some splendid Holbeins. The eldest son of the earl, Lord Folkestone, is desirous of getting married, and, as he has only four thousand dollars a year of his own, and his papa's income is not much over a hundred and fifty thousand, it seemed to them desirable to sell off some of the family pictures, to provide funds for the young man's wedding, and subsequent housekeeping. They got so far as to secure an offer of two hundred and seventy-five thousand dollars from the National Gallery, for three of the pictures, when some of the rest of the family interfered, to prevent the sale of heirlooms, in which, as they said, the Earl had only a life-interest. An appeal was therefore made to the courts, on the ground that Lord Radnor's income was not sufficient to pay the expenses of his own housekeeping, and provide a proper allowance for his son besides, and, notwithstanding the protests of the family, permission to sell the pictures was granted.

THE Corporation of Liverpool has been trying an interesting experiment in the erection of houses for working people. The municipality, under an Act of Parliament enabling towns to take land for such purposes, condemned a large tract in an outlying portion of the city, and cleared it of the wretched hovels by which it was occupied, turning out thirteen hundred people. Having gone so far, the city authorities offered the land for sale at auction, under the restriction that it should be used for workingmen's houses, but found no purchasers. A portion of the land was, therefore, laid out, and houses erected upon it by the Corporation from plans made by Mr. Clement Dunscombe, which were afterward awarded a gold medal at the International Health Exhibition. After these were done, the rest of the land was offered again at auction, but there were no bidders, and the Corporation finally concluded to improve the whole area. The work is now done, and a quadrangle of pleasant five-story buildings completed. The area covered is not very extensive, and the whole cost of land and buildings will be only about three hundred and fifty thousand dollars, but pleasant habitations will be provided for six or seven hundred people. Much more accommodation could have been obtained by covering the land closely, but it was thought preferable to leave a large open space in the middle of the quadrangle for a playground and garden. This is reached by five arched passageways from the streets, and all the tenements open upon the quadrangle, in the French style. There is a fountain in the middle of the garden, the walks and roadways are paved, and everything made healthy and attractive. Notwithstanding all the expense incurred for this purpose, two-room tenements are rented for a little over a dollar a week, and those of three rooms for a dollar and a half a week, and at those prices the net income from the property will amount to about four per cent on the whole investment.

RELIGIOUS ARCHITECTURE.[1] — XXV.

THE RENAISSANCE. — II.

Fig. 6. Façade of the Gesū, Rome [16th Century], after Piranesi.

A CENTURY and a half had been occupied in the construction of St. Peter's, during which time twenty-two popes and thirteen architects had succeeded one another; the expenditures had amounted to over fifty million dollars, the equivalent of double that sum to-day. It is easy to understand how deeply the Christian world was stirred by the completion of this colossal edifice, and, naturally enough, it served as a model for Roman Catholic churches throughout Christendom.

Whatever may be said of the æsthetic merits of this style of architecture, it was admirably adapted to the part played by religion from that time on, and produced the impression which the papal powers wished thenceforth to produce. In the sixteenth century the Catholic faith may have manifested signs of decay, the dogmatic authority of the church may have been ruptured by openly declared schisms, its moral influence may have been weakened, but its political importance was considerable. The temporal power of the pope at that period was indeed imposing, especially in the splendor of the artistic and literary court which he maintained. Though possessing no mighty armies, though foreign political powers were gradually concentrating and daily trespassing more and more upon his authority, it is nevertheless true that through the prestige of arts, letters and sciences, through the renown of the great men with whom he surrounded himself, through the effect produced on uncultured foreign nations by the extraordinary awakening of the arts, through the respect elicited from these semi-barbarians at the unique spectacle of a polished, learned, elegant, and sumptuous court, the pope bestowed on Rome a distinction, influence and preponderance that vied with imperial Rome's,

Fig. 7. Façade of St. Ignatius, Rome [17th Century], after Piranesi.

and thereafter remained unrivalled down to the reign of Louis XIV.

But how far we have strayed from the fellowship and simplicity of early Christian times! The church must now maintain the prestige secured, by constructing all over the Christian world splendid and imposing edifices, which shall bespeak her power and superiority.

[1] From the French of P. Planat, in Planat's "*Encyclopédie de l'Architecture et de la Construction.*" Continued from page 173, No. 769.

As each nation escaped to some degree from Romish jurisdiction, the authority which Rome had exercised alone became divided, and was distributed to individual churches. The latter, propped up by the great civil bodies and supporting them in turn, strong in this union of Church and State, repeated in the various countries the part that Rome had played in the world; so that religious architecture was destined to retain its pompous and ornate character.

This character finds its fullest expression in St. Peter's. It is exhibited on a smaller scale in the Gesū (Figure 6), erected in 1575 by Della Porta, after Vignola's designs; and in St. Andrea, St. Ignatius (Figure 7) and in all the other churches

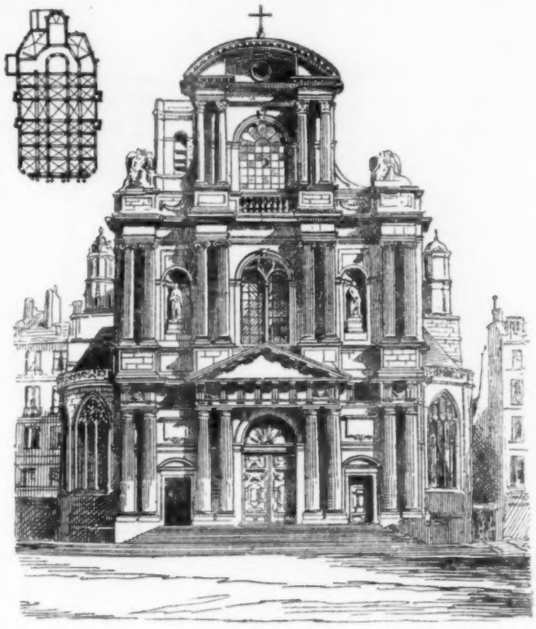


Fig. 8. Plan and View of the Church of St. Gervais and St. Protais, Paris [16th and 17th Centuries].

of the Jesuit style. The three entrance bays to the naves are framed-in by an order of columns running across the entire façade; above these is a second order which extends in front of the principal nave alone, and is surmounted with a pediment. The difference in the width of the two stories is compensated for by means of reversed consoles. This fundamental disposition has, so to speak, never varied; the only modifications have been in the details.

The church of St. Gervais and St. Protais in Paris, which is largely of the sixteenth century (Figure 8), shows traces of this influence still persisting in 1616, the period when Jacques Desbrosses erected the present portal. To obtain a more ornamental effect, the façade was decorated with three superimposed orders, the details of which set off the rich and powerful architecture.

The same style was adopted in the church of St. Paul and St. Louis, which was begun in 1627 and completed in 1641 (Figures 9, 10). The architect was Père François Derrand; the portal is by Père Marcel Ange. The Jesuits, to whom the church belonged, had sought to proclaim the power of their order, then at its height, by the sumptuousness of the edifice. This church also exhibits one of the earliest French attempts to imitate the dome of St. Peter's.

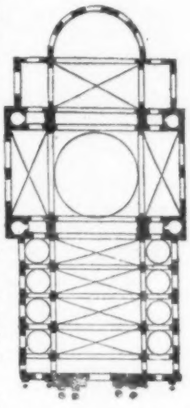


Fig. 9. Plan of the Church of St. Paul and St. Louis, Paris [17th Century].

Another far bolder and more beautiful example is found in the Sorbonne, which was erected between 1635 and 1659 by Charles Lemercier. The church of Val-de-Grâce (Figures 11, 12) follows the same lead, combining the Gesū façade of superimposed orders with the dome; the latter appears with growing frequency in French edifices after this

time. The high-altar is also copied from that in St. Peter's. The construction, which was begun in 1645, was interrupted

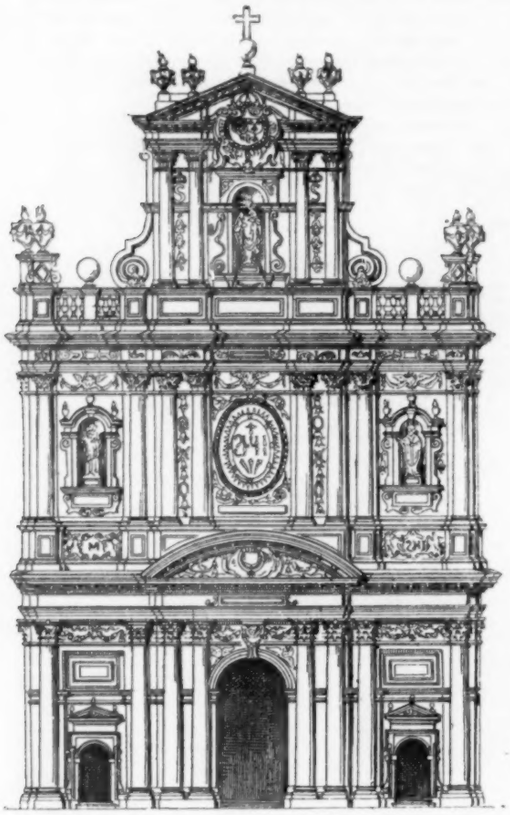


Fig. 10. Façade of the Church of St. Paul and St. Louis.

by the Fronde; it was resumed later under the direction of François Mansard, who carried the walls up twenty-five feet; then Charles Lemercier continued them to the cornice; Pierre Lemuet, aided by Gabriel Leduc and Duval completed the structure. It is justly considered one of the noblest in France, harmonious in its proportions and rich without vulgar profusion.

The Chapel of the Invalides may also be classed among domed churches. It was erected in 1675, but the dome is of somewhat later date. The architect was Hardouin Mansard. The style is characteristically French in its elegant simplicity, and in its quiet and graceful proportions.

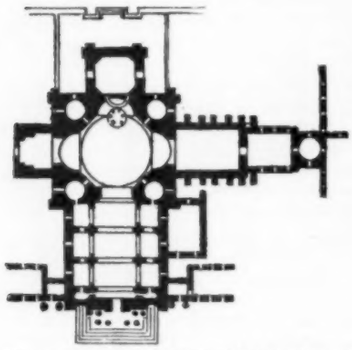


Fig. 11. Plan of the Church of Val-de-Grâce, Paris [17th Century].

Notre-Dame-des-Victoires, the foundation-stone of which was laid by Louis XIII in 1629, in commemoration of his victories at La Rochelle, was not completed until 1740, when Cartaut built the façade. The original plan was by Pierre Lemuet. His immediate successors were Bruand and Leduc. St. Roch, like Notre-Dame-des-Victoires is in the Jesuit style. The architects were Robert and Jules de Cotte, who were followed by Jacques Lemercier. In the interior, there is a noticeable tendency to escape from Italian influences, though without marked success; the exterior is showy and pretentious. The same is true of the church of St. Thomas Aquinas, constructed between 1682 and 1770 by Pierre and Claude Bullet.

The Versailles Chapel (Figure 13) is the most finished example of this ornate style; and its admirable sculptural decorations give it a high rank among Mansard's works. It was built between 1696 and 1710.

St. Sulpice in Paris, marks an attempt to abandon the traditional forms (Figure 14). The foundation-stone was laid for the first time in 1648, by Gaston d'Orléans; the edifice was then begun after the plans of Charles Gamart, but it was soon evident that these were defective; they were accordingly revised by Louis Levau and the foundation-stone was once more laid, this time by Anne of Austria. The work was discontinued ere long, owing to the lack of funds. At a later period, Oppenort and Daniel Gittard added the right and left portals. The façade, completed in 1749, is the work of Jean Servandoni. The upper stories of the towers were constructed in 1777 by Chalgrin and Maclaurin, who left the right tower unfinished.

Fig. 12. View of the Church of Val-de-Grâce, Paris [17th Century].

In this church may be studied the earliest efforts of an architectural school which aimed at the abandonment of the Jesuit forms and the adoption of a purer and more severe style; it

did not seek after originality, and before long its structures came to be mere reproductions of the monuments of antiquity. The Madeleine in Paris was conceived in this new spirit. Such edifices could naturally be turned to various uses. The Madeleine was designed for a church, when Louis XV laid the foun-

Fig. 13. Chapel of the Palace of Versailles [end of 17th Century].

dation-stone, about 1764; but Napoleon converted it into a temple for the glorification of the Grand Army. The original plan by Coutant d'Ivry, which resembled that of St. Geneviève, was remodelled by Pierre Vignon. Yet, when the edifice was restored to the purposes of worship in 1816, this second

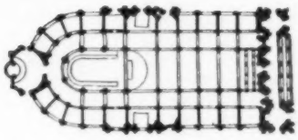


Fig. 14. Plan and View of St. Sulpice, Paris [18th Century].

plan was retained. It was completed under the direction of Huvé in 1832. It has already been remarked that the ancient temple was in no way designed for the same uses as a Christian church; it follows therefore that an ecclesiastical edifice built on the model of a Classic temple would be most poorly adapted to Christian ceremonial requirements.

The church of St. Geneviève has experienced still greater vicissitudes than the Madeleine. It was likewise begun in 1764, under the patronage of Louis XV. The Revolution transformed it into a Pantheon (Figures 16, 17), consecrated to the great men of France; in 1828 it was again opened for divine worship; converted anew into a Pantheon in 1830, it once more became a church in 1851; but it is now a Pantheon again. Soufflot's edifice is far more original than the Madeleine, although it exhibits to a marked degree the influence of St. Peter's: the peristyle is imposing and the colonnaded dome produces a most pleasing effect.

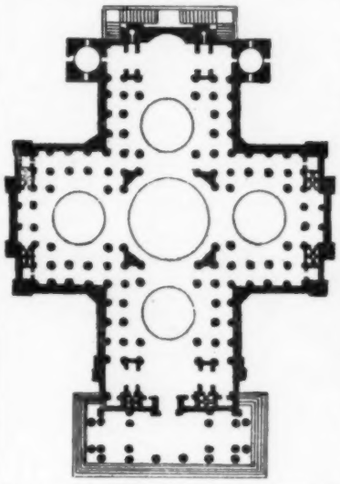


Fig. 15. Plan of St. Geneviève (the Pantheon), Paris [18th Century].

Among late imitations of St. Peter's we may cite the Cathedral of Our Lady of Kazan and the Cathedral of St. Isaac, at

Fig. 16. The Pantheon or Church of St. Geneviève.

St. Petersburg. The latter was constructed between 1819 and 1858, after the designs of the French architect, R. de Montferrand.

(To be continued.)

THE PROPOSED BRIDGE OVER THE DOVER STRAITS. — Experiments are now being conducted in the channel off Folkestone in order to test the geological structure of the sea bed, as it is proposed to construct a bridge across the straits of Dover to France. The process of examination has already been finished on the other side of the channel, and as far as it has gone on the English side it has proved highly satisfactory, as it has demonstrated that the sea bottom is very solid and suitable for bearing the heavy weight to which it would be subjected, and that the variation in the depth is very little, except where sand banks have accumulated and raised the bed. — *Boston Herald.*

APARTMENT-HOUSES.— I.

Fifteenth Century Oriel, Feldkirchen, Germany.

THE essential difference between an apartment-house and an ordinary dwelling-house is that in the latter the owner or tenant, on shutting the street door, excludes all strangers from the building, while in the apartment-house there are always some portions of the interior of the house, usually the halls and staircases, which are open, if not to all the world, at least to all the tenants of the building, and to their visitors. In many apartment-houses the dining-rooms, laundries, and even the larger reception-rooms, are used in common by the tenants, and cooking and washing are done for all in common. Such establishments often resemble hotels more than apartment-houses, and, in fact, a clear line of distinction can hardly be drawn between the two classes of buildings. On the other hand, some modern apartment-houses have nothing but the outside entrance in common, the stairways being separate from each tenement to the ground; and this system of planning is particularly favored by the best authorities for dwellings for the poorer classes, among whom it is desirable to keep families as much out of contact with each other as possible.

The fashion of dividing-up houses among a number of families is a very ancient one. No plan, or exact description, of a Roman apartment-house has come down to us, but we have reason to believe that the great majority of the people of the city of Rome lived in immense tenement-houses, six stories high, or even more, and divided into rooms with what we may safely believe, judging from the analogy of other Roman planning, to have been great skill. During the Dark Ages there was not much building of any kind in the cities, and there were probably houses enough to give one to each of the few families which remained; but after order was in some degree reëstablished, and the towns had begun to fill with peasants and emancipated slaves, the necessity for increased accommodation was evidently strongly felt, and within the limited area enclosed by the walls began to be erected lofty, but narrow houses, in which every inch of space was utilized, and floor-room gained at the expense of light in the streets, by projecting the upper stories forward. Although these houses often accommodated a large household, and were skilfully planned to secure privacy in the different rooms, the mediæval love of home prevented them from being divided up among a number of tenants, and the occupants of each, including the apprentices and lodgers, as well as the master's household, formed a single family.

During the Renaissance, the fashion was introduced of letting the separate floors of a house to different tenants, and in large cities, where rents were high, a device by which the ambitious citizen could live in a small apartment, behind a grandiose front, and on a fashionable street, at no greater expense than would be necessary for hiring a whole house in a less fashionable neighborhood, soon became popular. The first of the Renaissance apartment-houses were probably imposing in appearance, but dark and unwholesome inside, and badly built as well as inconveniently arranged.

Fortunately, there are very few of the rookeries of this period left. Such buildings are not constructed to last, and improvement soon sweeps them away. All we can say positively about them is that unless they were much better planned than the palaces of the period, they must have been most uncomfortable and unwholesome places to live in.

The first great improvement in houses for "collective habitation" seems to have been made in Paris during the Second Empire. Napoleon III was a practical man, who took a sincere interest in the housing of poor people, and gave an impulse, at least, towards the better planning of houses for their use, which architects found abundant opportunity for putting into practice in the reconstruction of a large part of the city which followed the operations of Baron Haussman. The new boulevards which that bold engineer opened in all directions through Paris, were soon lined with apartment-houses worthy of the name, imposing in aspect, and arranged in a way which, if not equal to the modern planning, reflects great credit on the men who had to create the whole system out of almost nothing. Of course, there is a difference in the work of different architects, as ingenuity in planning is a gift not equally distributed through the profession; but all French architects devote great care to the plans of their buildings, and the best of them are perhaps unrivalled in the world in this respect.

Figure 1 gives a good example of a small Parisian apartment-house of this period, by that admirable architect, M. Bailly. The lot is of an unusually regular shape for Paris, resembling very much the pieces of ground which are placed in the hands of American architects for such purposes. There are two suites on a floor. The entrance, as is usual in French houses of the kind, is from the street first into the court, which is under the supervision of the *concierge*, and is kept neat and bright with flowers. From this court open the two vestibules, where the circular stairs are shown which lead to the suites above. The rear suite on the ground-floor is like those above it. The front suite is replaced by a small store, with a kitchen, parlor and bedroom behind it. Under the main stairs are the stairs to the cellar, which is thus accessible to all the tenants, and is lighted in the middle as well as at the ends. There are no servants' stairs. French people of moderate means are on sufficiently good terms with the few servants they keep to be perfectly willing to have them go up the same stairway as themselves, and we do not meet with service-stairs until we come to buildings of a much more pretentious class than this one.

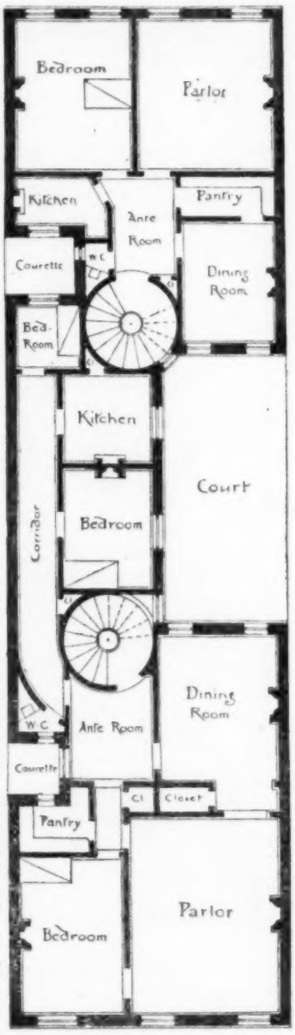


Fig. 1. A Small Apartment-house in Paris. M. Bailly, Architect. From Calliat's "Parallele."

Taking the suites separately, we find the staircases, which are brilliantly lighted from the court, opening into ante-rooms. These are an indispensable part of a Paris apartment. They are usually rather feebly lighted by glass in and over the doors of the rooms into which they open, but form a convenient reception-room, and are prettily furnished, and generally have large closets attached to them.

From the ante-room open all the other principal rooms, — the abomination of going through one room, particularly a bedroom, to get to another, being almost unknown to French planning.

In the case of the rear flat, which is evidently adapted for families proposing to do their own housework, the kitchen door opens into the ante-room; the rear flat has the kitchen at a little distance.

The kitchens are very small, according to our notions. This is invariably the case with French kitchens, which are not intended to serve as the scene of races between the cook's cousins, but are devoted strictly to cooking and washing. For these purposes, as a French domestic thinks, the room should be small, so that everything may be handy when wanted. As a rule, one side, or a part of one side of the kitchen is occupied by the range, a small affair with a charcoal fire; and what answers to a sink. On the other side is a row of hooks, on a wooden strip, with another strip a few inches below.

On these hooks hang the different pots and pans which comprise the "*batterie de cuisine*," all of copper, and shining like mirrors.

The French house-keeper's theory is that to provide shelves, or still worse, closets, for kitchen utensils, is to ensure their being put away dirty; while, if there is nothing to do with them but to hang them up, in plain sight of every one who comes into the door, they will be cleaned before they are put away. Under these circumstances, it is much more convenient for a fat "cuisinière" simply to turn around to take what she wants from its appropriate hook than to travel across a large room after it; and we have heard a French *chef* in an American private house complain of the excessive size of

the kitchen in which he was expected to do his work. To be long and narrow is what the Parisian desires of a kitchen, and we have known one measuring five feet by fourteen to be highly commended for its convenience.

Near the kitchen, or at least, on the way between it and the dining-room, is the pantry, or "office," which is often nearly as large as the kitchen itself. As we shall see, in the higher class of French apartments there is frequently a bedroom opening from the kitchen, and not accessible from the hall. This room is for the use of the cook, and forms the only apparent exception to the rule that no bedroom shall be necessarily entered through another room. In the present case, it was quite possible that the families occuping both flats might do their own work, and would not fancy a bedroom opening only from the kitchen; so the architect has arranged a room near the kitchen, but not opening out of it, which might be occupied either by a servant or by a member of the family. This room, in the front apartment, is lighted by a small shaft, or "*courette*"; which also lights the kitchen of the rear flat; and a similar *courette* gives light and air to the corridor. In the Parisian houses of twenty or thirty years ago, these courettes were very freely used, but the imperfect circulation of air in them, more than the unsatisfactory quality of the

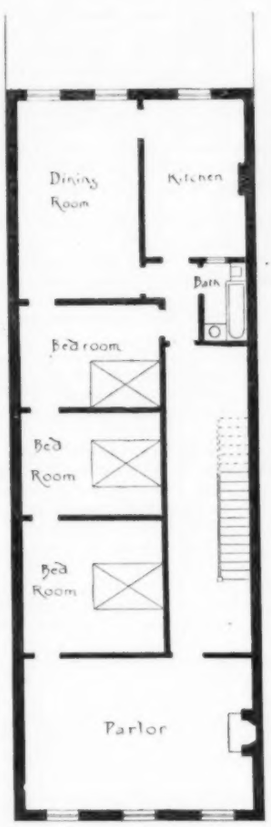


Fig. 2. New York Tenement-house before 1879.

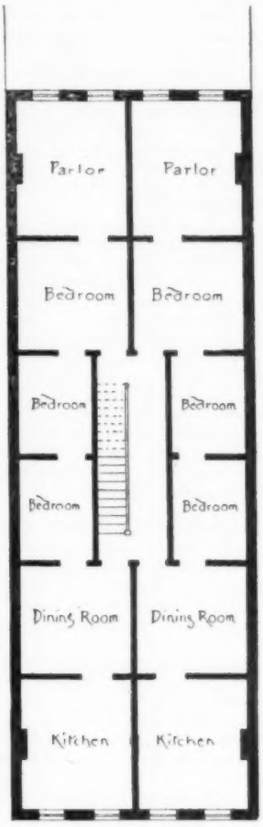


Fig. 3. Double Tenement-house in New York before 1879.

light obtained from them, has, as we shall see, led in France, as well as in this country, to a system of planning by which they are, so far as possible, avoided. We cannot, however, blame M. Bailly for not having been a quarter of a century in advance of all his contemporaries, and there are few apartment-houses of the same size, even at the present day, so conveniently and pleasantly arranged, and so well lighted and aired in other ways.

As an instructive contrast to this, we will give next the plan of the ordinary New York flat of fifteen or twenty years ago.

Figure 2. Anything more pitiable in its incapacity for the most rudimentary conception of wholesomeness or pleasantness it would be hard to conceive. All the rooms from front to rear were required by law to open into each other, and this means of communication was made the only one. The parlor, naturally, was put at the front of the house, and the kitchen, where a certain amount of light was desirable, at the back. The dining-room adjoined the kitchen, and to get from the parlor to the dining-room it was necessary to pass through all the bedrooms. The bath-room was in a dark corner near the kitchen. Where a house was situated on the corner of a street, the same arrangement was followed. In this case, all the bedrooms had windows, and the flats brought much higher rents in consequence. The writer remembers dining with some friends of his once, who lived in a flat over a grocery store, for which they paid an enormous rent. The plan was arranged after the usual model, and he remembers walking from the parlor to the dining-room through all the bedrooms on tip-toe, for fear of waking up the children who were to be seen asleep at various points on the road. When the house was not on the corner, the bedrooms were supposed to be lighted and aërated by transom sashes over the doors. It may be imagined that the light in the inner rooms was not very powerful. Where these houses were built on a lot twenty or twenty-five feet wide, the bedrooms were tolerably large, even if they were dark, but it was common to improve twenty-five foot lots by building on them double tenements, Figure 3, having the stairs and hall in the middle, and a row of what might best be called cells on each side, all dark except the end ones.

[To be continued.]

THE LAKE-DWELLERS OF VENEZUELA.—I.

"All the Modern Improvements."—No. 18.

IT has not been through fortuitous circumstance that I have followed in the footprints of Columbus—in Spain, have stood with him in Santa Fé, where gracious Isabella sanctioned his enterprise; leaned over the parapet of the Bridge of Pinor, where her messenger halted him with the promise of royal support; slept in his cell at La Rabida convent; paced the pavement of the church at Palos, and sailed the ruby waters of the Rio Tinto.

It has been with a well-defined object in view, and, in the same pursuit, I have visited many points of interest connected with his various voyages: Cuba and the Bahamas, discovered by him in 1492; the Caribbee Islands, fruits of the voyage of 1493; Trinidad and the Spanish Main disclosed to him in 1498; and Yucatan, which he all but discovered in his fourth and last voyage in 1502.

On the last day of July, 1498, two months from the day the Spanish fleet had sailed from Cadiz, the mountains of Trinidad were sighted. We may distrust the statement of Columbus, that he had previously concluded to honor the first land discovered on this voyage with the name of the Trinity, in view of the fact that the mountains first seen were three in number and naturally suggested the name, La Trinidad.

Columbus, as we are aware, was much given to the setting forth of coincidences showing him one under special guidance of the Lord. However, it was a harmless vanity, and this name, like most of those bestowed by the admiral, was fitting and suggestive.

Coasting the island, he entered a narrow pass where the waters met and clashed so furiously that even his high courage was shaken, and he called this the Serpent's Mouth [*La Boca del Sierpe*]. He passed out of it in safety and anchored in the smooth water of the great Gulf of Paria, and on the inner coast of Trinidad. Crossing the gulf, he emerged into the Caribbean Sea through another dangerous passage which he called *La Boca del Draco*, the Mouth of the Dragon. Before venturing upon this terrible passage he coasted the Gulf of Paria, discovering there a fine race of people, tall, straight, shapely, the men with loin-cloths in various colors, the women entirely naked. They were frank and hospitable and dwelt in a rich and generous country, their dwellings in beautiful gardens, where the birds and flowers vied in abundance and brilliancy of color.

They possessed little gold, and that of inferior quality, but they wore strings of pearls that made the Spaniards' fingers itch and burn with strong desire. Finding that the pearls were obtained off the north coast of Paria, Columbus at last ventured to brave the dangers of the Dragon's Mouth, through which the waters of the Orinoco and other South American rivers rushed with frightful velocity. He escaped through the warring breakers and found smoother seas beyond. He found, also, the seat of the pearl fishery, though he was then ignorant of its value or extent, and discovered the islands, Margarita and Cubagua, so celebrated in later years for their beds of pearls. The Spaniards did not stop to fish, but obtained a large number of pearls by traffic with the Indians, in exchange for bits of porcelain and bells of brass. Sufficient were obtained, in fact, to tempt the cupidity of other Spaniards, and to attract attention to

this region of riches, now for the first time brought to the view of the world.

Although the indications were promising, and the north coast of the continent stretched invitingly away, with mountains reared against the clouds and islands fringing the coast, yet the navigator was sore pressed by disease, and his stores were failing, so the fleet set sail for the fair island of Hispaniola.

Of the people here discovered, the ancient historian writes quaintly: "They are white, even as our men are, saving such as are much conversant with the sun. They are also very gentle and full of humanitie towards strangers. There was fewe, or none that had not eyther a collar, a chayne, or a bracelette of golde and pearles, and many had all. Other than these ornaments, except for a breech-cloth of cotton, they were naked. . . . The regions being in the large province of Paria, for the space of CCXX myles, are called of the inhabitants *Cumana* & *Mancapana*."

Reflecting upon the divers species of man, the old historian, Haklyt, thus delivers himself: "The Aethiopian thinketh the blacke colour to be fairer than white, and the white man thinketh otherwise. Hee that is polled thinketh himself more amaiable than hee that weareth long hayre, and the bearded man supposeth himself more comely than hee that wanteth a beard. As appetite therefore moueth, and not as reason persuadeth, do men run into these vanities."

It was on the voyage preceding this that Columbus had made the acquaintance of the cannibals, the Caribs, of the Caribbee Islands, and had heard of Amazons. From the coast of Paria he stood northwardly, towards Hispaniola. "By the way, there appeared from the north a great Iland, which the captives that were taken off Hispaniola called Madinino [now known as Montserrat] affirming it to be inhabited only with women, to whom the Canibales have access at certaine times of the yeere, as in old times the Thracians had to the Amazones in the Iland of Lesbos."

It was on his return voyage to Spain that Columbus carried captive the king of the Golden Mountains, Caonabo, "who dyed on the voyage, for very pensivenesse and anguish of minde." Then also, he encountered one of those dreadful tempests called hurricanes: "These tempests of the ayre, which the Grecians called *Tiphones*, that is whirlewindes, the Indians called *Furacanes*."

I did not intend to digress; but whatever I have cited is in a measure cognate to our subject. Christopher Columbus, on that eventful third voyage to America, drew nearer to the equator than before, and, filled with the belief that he was penetrating a region of fire and drought, he was astonished to find verdurous vegetation, plentiful showers, and habitable islands. Learned theorists had assured him that in the tropical area everything would be found sublimated to the last degree.

Hence, it would be productive of pearls and precious stones, especially emeralds and diamonds, sublimated in telluric crucibles. He was not, then, astonished at the abundance of pearls. Was it not the wise Pliny who taught that pearls were the product of oysters, into whose mouths the dews of heaven fell at night? Even so, and the great navigator found oysters so numerous that he saw them clinging by thousands to the roots and branches of trees, hanging there with open mouths, awaiting the falling of the dew. Voyagers to that region may see the oysters growing on trees, clinging to the mangrove roots, to-day, as the Spanish sailors saw them four hundred years ago. But we know now, what they did not, that these surface oysters are not the same that yield the precious pearl. These must be sought deep down in the dark caverns of the sea, and very few, if any, have been found in the waters of the Gulf of Paria.

Learning of the prospective wealth of this new country brought to light by the third voyage of Columbus, other adventurers applied to the Crown for permission to explore and trade, and at least two expeditions were sent out from Spain. The most venturesome, and that which was fitted out with the least expenditure, returned with the greatest quantity of pearls. It was but a single vessel of fifty tons burden, and with a crew of thirty-three men, that made up this venture. It sailed from historic Palos in June, 1599, and was commanded by Pedro Alonzo Niño, of Moguer, a neighboring town to Palos.

Unlike most of the Spanish sailors of that time, these seemed to care more for trading than fighting, and the consequence was that they amassed a fortune in a short time. Guided by a chart Columbus had prepared for the king, Niño, who had sailed as a pilot on the first voyage to the New World, successfully coasted Cumana and Paria, and reaped a rich harvest of pearls at the island of Margarita. He was altogether too successful, in fact, for the king's cupidity was aroused on his return to Spain, and he was thrown into prison, on a false charge of defrauding the royal treasury.

That last year of the fifteenth century was, perhaps, richer in events of importance than any of the decades preceding except 1492. In May there set forth the great expedition of Alonzo de Ojeda, one who had accompanied Columbus on his second voyage — a man of small stature, but valiant and full of fire and energy. With four vessels well equipped and a gay and gallant company, Ojeda sailed from Cadiz the 20th of May, 1499, touching at the Canaries, and sighting the new continent twenty-four days later. He, too, coasted the Gulf of Paria, meeting with friendly Indians, and trading for pearls and gold. After visiting the island Margarita, he returned to the mainland and built a brigantine at Maracapana. Some of the ancient charts give this name as *America-pana*, and at least one writer has argued that our continent derived its name from this aboriginal word, which is applied to several places in South America.

This may well be, I think; but we will not stop to discuss the question now. It reminds me, however, of a distinguished adventurer associated with Ojeda in this enterprise, and who wrote the first coherent account of this land of wonders, from which fact, doubtless, he was subsequently so highly honored. This adventurer was no less than Amerigo Vespucci, who, by some strange freak, had become associated with those merchants of Seville who had furnished the fleet for Ojeda. To his letters we are indebted for complete descriptions of the people and the country, and he was the first to describe those strange people we are now about to visit, the Lake Dwellers of Venezuela.

It was while his smaller vessels were careened at Amaracapana that Ojeda learned of the ferocious Caribs, who made descents upon the coast from their retreats in the Caribbees. The peaceful people who received him so hospitably here, represented that the Caribs cruelly ravaged their country, carrying away many captives to be eaten, and begged the Spaniards to lend their aid in avenging their many outrages. This the gallant Ojeda was very ready to do, and, guided by some Indians, he sailed seven days, to an island which, I think, must have been Granada. There they discovered the Caribs in great numbers, drawn up on the shore all ready for combat; for, no matter what the odds against them, these fierce cannibals were always eager for a fight. They battled bravely, desperately, but were slaughtered by hundreds and driven into the forests. Then, setting fire to their huts, the Spaniards secured what little plunder there was and departed. Again on the mainland, the friendly Indians were rewarded with a share of the spoils, and rejoined their tribe, everywhere magnifying the wondrous deeds of the white strangers. Three weeks later the latter sailed away from the Main, and touched at the island of Curaçao, which Vespucci reported to be inhabited by giants.

Their next haven was at the entrance of the Gulf of Maracaibo, where they made the discovery of Indians living in huts built over the water. There were twenty of these water habitations, bell-shaped, built on platforms supported upon piles driven into the bottom of the lake. They were quite large, and each house had a rude drawbridge to connect it with its neighbor, while numerous canoes lay afloat upon the placid surface of the lake.

The Indian name of this settlement is said to have been *Coquibacoa*, but Ojeda bestowed upon it an appellation that has since been applied to the entire country. He called it "Venezuela," or the Little Venice, and thus, trivial and accidental, was the origin of the name of what is now a great republic.

If the Spaniards were surprised at seeing here a new civilization, the Indians were even more astonished to see the great white-winged ships—living monsters, in their eyes—come bearing down upon them from the gulf. They fled in a panic to their dwellings, raised the drawbridges, and made their simple preparations for defence. A fleet of canoes appeared at this juncture from the sea, the occupants of which paddled swiftly into the forest, but soon returned, with sixteen maidens, whom they distributed, four to each ship. It seemed that their native wit had divined the desire of the strangers. Having no gold, no possessions of value except these virgins, they gave them freely, as a peace-offering.

As such the Spaniards accepted them, and were highly delighted at these overtures. But they were not destined to enjoy them, for suddenly, while the water-dwellers were swimming and paddling about their ships in great numbers, the sixteen maidens leaped overboard and struck out for the woods, while flights of arrows were sent at the ships from the warriors in the canoes and the swimmers themselves.

It did not take long for Ojeda to make these amphibious savages repent their action, and soon a score of them were dead and dying, and the warriors in full flight to the forest. The girls were gone, however, and, as the houses held no plunder, Ojeda sailed away.

Such is the account given by the Florentine gentleman, after whom America is supposed to have been named, of the first lake-dwellers found in the New World.

[To be continued.]

An Artist claims a Copy as his own Work. — An anecdote is related by Mr. Colin Rae Brown, which is enough to make the owners of foreign pictures uncomfortable. He says: — "My personal faith in 'experts,' never great, received a severe check in 1855, when, being in Brussels, I was present at the examination of two cattle pictures undertaken by Verboeckhoven, the celebrated animal painter. One of these was an original picture which the eminent artist had recently sold to a Flemish banker; the other, a copy made by a young but rapidly rising member of the Academy, and the object of the meeting was to decide a friendly challenge by the banker, to the effect that he (Verboeckhoven) could not tell which was his own and which was the copyist's production! Both pictures were painted on identical canvases and framed exactly alike, and, after a close scrutiny with the naked eye and with a small magnifying glass, the distinguished painter fixed on the copyist's picture as being his (Verboeckhoven's) own!" The ability to copy exactly is common enough in Belgium, and there are qualities in the work of many of the painters which are well adapted for reproduction by an artist with the faculty of imitation. But as skill in making exact copies is dangerous to the artist whose works are selected as well as to the public, some measures will have to be adopted abroad to keep it within legal limits. — *The Architect.*

SAFE BUILDING.[1] — XLV.

CHAPTER XI. — GRAPHICAL ANALYSIS OF STRAINS IN TRUSSES (*Continued*).

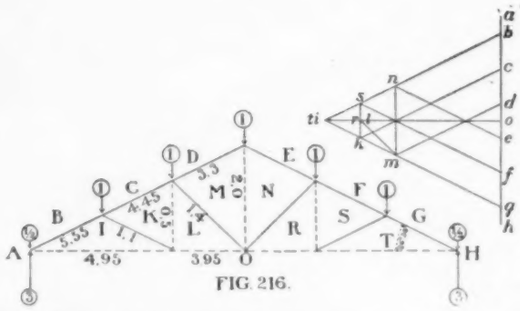


FIG. 216.

WHEN we analyze Figure 216 we first take the joint $A\ B$ at foot of rafter; next the joint $B\ C$ immediately above; next the first joint along tie-rod; next the second joint along rafter and so on. Figures 217, 218 and 219 are similar. Figures 220, 221 and 222 will present no difficulty; nor will Figures 226, 227 and 228, but in the latter three we find that we cannot follow the above rule of passing from a joint along rafter to one on tie-rod; for we begin at joint $A\ B$ (Figure 226) and find the strains $B\ S$ and $S\ O$; we next pass to

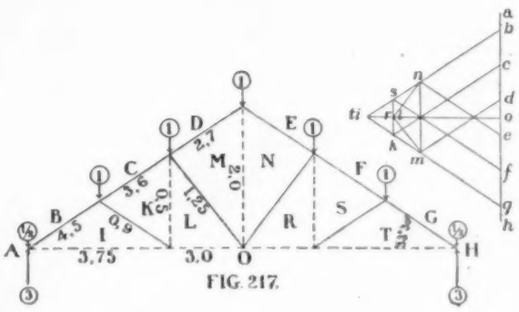


FIG. 217.

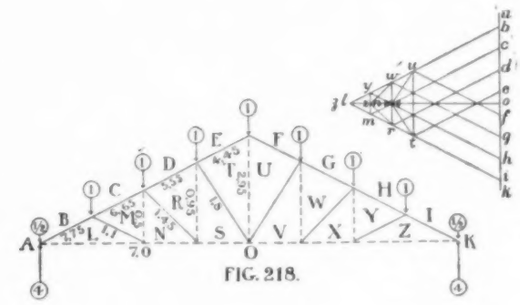


FIG. 218.

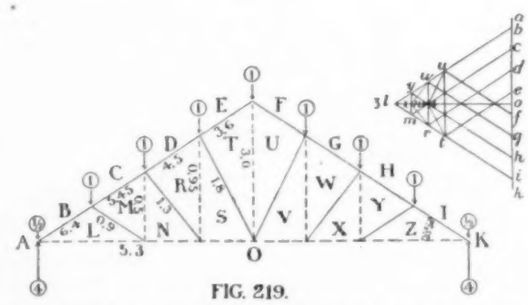


FIG. 219.

joint $B\ C$ and find the two unknown strains $C\ R$ and $R\ S$; were we now to pass to the joint at the tie-rod, we should find it impossible to continue, for there would be three unknown strains, namely, $R\ N$, $N\ M$ and $M\ O$; but if we pass first to joint $C\ D$ we find the two unknown strains $D\ N$ and $N\ R$, and then going back to the joint at tie-rod, there remain only two unknown strains $N\ M$ and $M\ O$ which we can now find.

Figure 223, we will find, presents a difficulty at the joint $C\ D$ and this truss, in effect, cannot be analyzed by the same method as the others.

Analysis of Figure 223.

We begin at joint $A\ B$ and find the unknown strains $B\ L$ and $L\ O$; we pass the joint $B\ C$ and find the strains $C\ M$ and $M\ L$; we now pass to first joint along tie-rod and find the strains $M\ N$ and $N\ O$; we now pass to joint $C\ D$ but find three unknown strains $D\ S$, $S\ R$ and

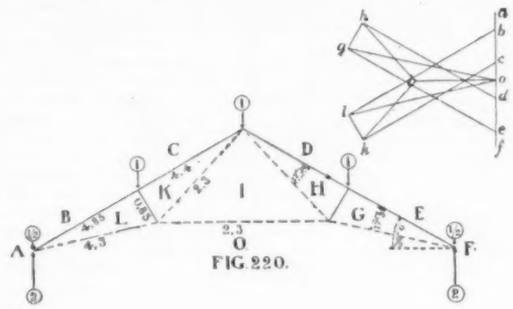


FIG. 220.

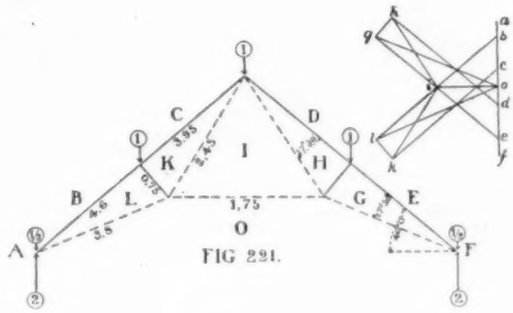


FIG. 221.

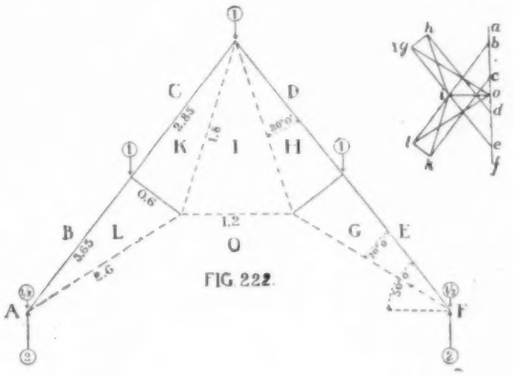


FIG. 222.

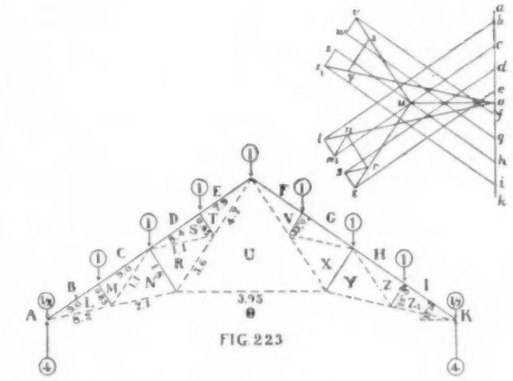


FIG. 223

$R\ N$; we try the second joint along tie-rod, but this, too, has three unknown strains $N\ R$, $R\ U$ and $U\ O$; so have all the other joints, we are, therefore, completely stopped. We reason, however, that the duties of $L\ M$ and $M\ N$, are apparently the same as those of $T\ S$ and $S\ R$, namely, to truss transverely the long (half) lengths of rafter. As the loads are the same on all joints we will assume that $S\ R = M\ N$ and $T\ S = L\ M$.

We can now continue our work, for at joint $C\ D$ there only

[1] Continued from No. 769, page 179.

remain two unknown strains *D S* and *R N*. Passing to the second joint along tie we can continue, for, *N R* being now known, there only remain the two unknown strains *R U* and *U O*.

This method of reasoning is correct, where loads are uniform and the rafter divided into four equal panels; were this not the case, we should have to find the strain on *R N* first, and by one of the methods shown in Figures 223*a* and 223*b*.

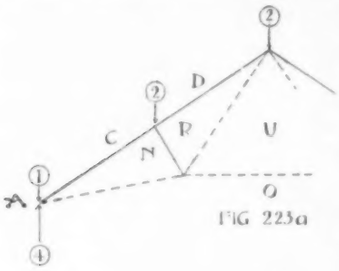


FIG 223*a*

In the former we assume (temporarily) that the intermediate panels or joints do not exist.

We take care to re-proportion our loads on the joints properly, as there are now only two panels to main rafter, where before there were four.

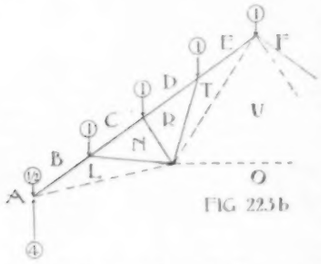


FIG 223*b*

We now find the strain on *N R* without any difficulty by drawing a separate strain diagram similar to the one shown in Figure 220 and having found the strain on *N R* we proceed with our original strain diagram annexed to Figure 223.

Or, we will assume (temporarily) that Figure 223 is altered to have three struts as shown in Figure 223*b*, taking care to keep *R N* the same, and the divisions of rafter the same, the loads on joints will therefore not be changed. We now find *R N* without difficulty

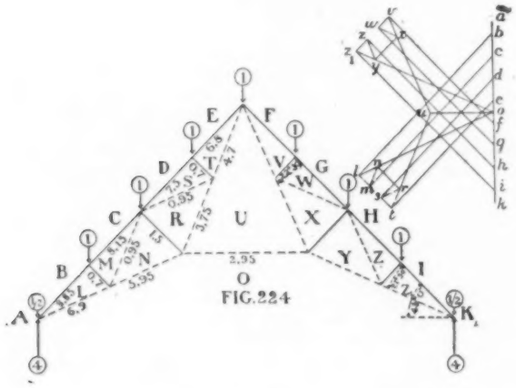


FIG. 224

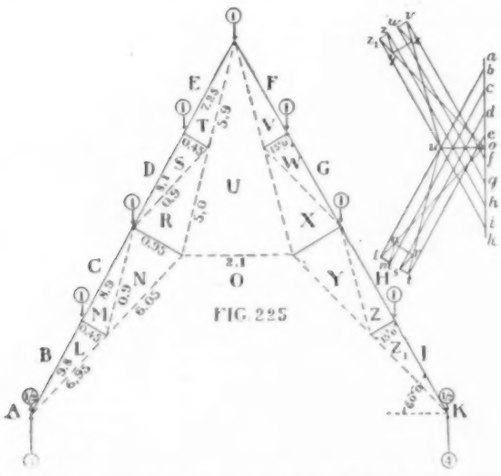


FIG. 225

by drawing a separate strain diagram like that shown in Figure 226; and having found *R N* proceed with our original strain diagram without difficulty.

Figures 224 and 225 are similar to Figure 223, excepting the inclination of main rafters, and angles between rafters and tie-rods.

Figures 213 to 219 are best adapted to wood, or wood and iron construction; while Figures 220 to 228 are best adapted to iron construction, they being on the principle of a pair of inclined trussed beams tied together at one point and there taking up the horizontal thrust due to the inclination. Sometimes, if more convenient for

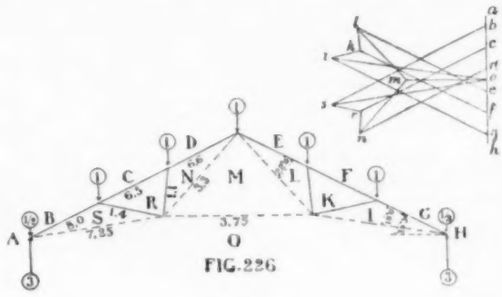


FIG. 226

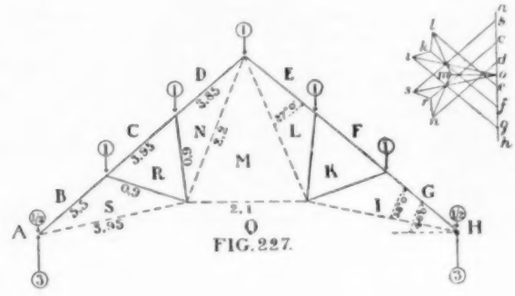


FIG. 227.

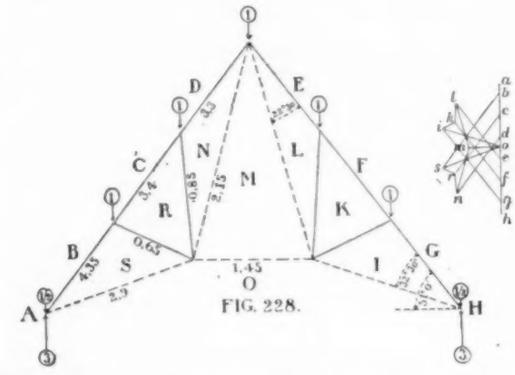


FIG. 228.

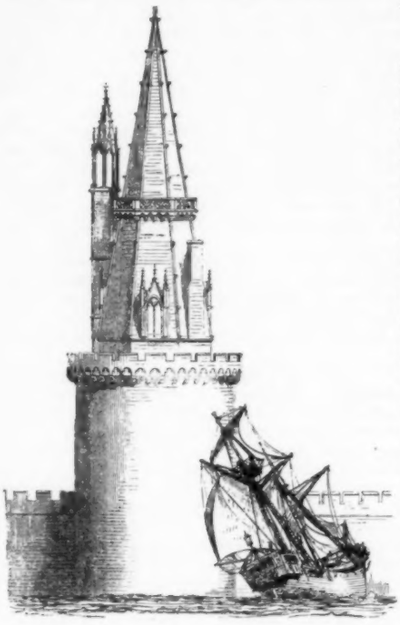
securing roof beams, etc., the principals are made of wood, the balance of truss usually being of iron.

Louis DeCoppet Berg.

[To be continued.]

Our Imperilled Forests. — The wholesale extravagance of the people of the United States with the timber which abounds in this country and the merciless way in which the forests are being destroyed has attracted the attention of the Geographical Society of Germany. At a recent meeting Chief Forest Master Kessler called attention to the subject, quoting from the tenth census. He stated that in 1880 the 25,708 saw-mills in operation in the United States converted $120,000,000 worth of raw timber stock into various kinds of lumber, and he asserted that at the same rate there would be no good-sized timber left in forty years. He spoke of the enormous waste of wood through forest fires, which are the result, for the most part, of carelessness or a desire to clear land for cultivation, and declared that the planting of new forests, which has of late years received some attention in the Eastern States, cannot begin to offset the waste. He said that there is every reason to fear that America will soon be a country impoverished for tree property. Mr. Kessler made the striking comparison that while the United States has but 11 per cent of its area covered by forests, the empire of Germany has 26 per cent of its entire area so covered. Mr. Kessler said that the reckless destruction of forest trees in America and the indifference manifested by Americans in the restoration of forests is a menace, not alone to the wealth of the nation, but threatens serious deterioration both to climatic conditions and the fertility of the soil. In a recent report to the State Department, Consul Merritt of Chemnitz calls attention to Mr. Kessler's remarks as worthy of the attention of the Department. — *The Evening Post.*

ARCHITECTURE UNDER NATIONALISM.[1] — VI.



WE have based our calculations as to the amount of wealth annually produced under Nationalism upon the supposition that application to work on the part of the people will then be only as close as it is at present.

There are, however, many reasons for believing that application will be far more intense and its productiveness correspondingly increased, and that idleness will be comparatively rare in a social state in which faithful individual effort is assured the reward of all that is desirable and in which disgrace and deprivation are sure to follow indolence or neglect.

After what has already been said in this article it might seem superfluous to consider further these incentives for application, but so much depends upon a clear understanding of this point which has so often been a stumbling-block for those who discuss Nationalism without knowing what it is, that a few words in relation to incentive will be pardoned.

In just what manner the wealth of our Coöperative Commonwealth will be distributed among the citizens for their services, it is evidently impossible to foretell. Probably in different ways at different stages in the nationalization of industry, the principle of distribution on a basis of *effort* rather than *ability* becoming more and more recognized. This is clearly the only just basis of distribution, and is accordingly, for this reason, in the end inevitable. The capacity for wealth production of a nation being the result of ages of civilization, every individual, as a product of that civilization, is entitled to an equal share of the wealth due thereto, irrespective of any special ability or lack of ability he may individually have received from nature or education, provided only that he does his best.

Two brothers, A and B, have inherited to-day equal wealth. A war breaks out. A, being patriotic, leaves home and family to serve his country. He is wounded in battle and loses forever his ability to provide for his family. B is unpatriotic and cowardly. He remains at home and amasses a princely fortune in army contracts. The descendants of the patriot, deprived of capital and education, sink lower and lower under the heartless struggle for existence, called free competition, in which now only giants can succeed, while those of the unpatriotic brother, the "individualist," obtain the highest education and enjoy every form of luxury.

Every one recognizes this as unjust, but all do not see that the community in recognizing a system of unrestricted competition in industry is responsible for it. The descendants of A and B are equally entitled, so long as they do their duty, to an equal share in the fruits of civilization irrespective of the action of any particular individual, or individuals, in the line of their pedigree, since all are descended from the same common stock — children in the same human family — which produced those fruits. Hence the nation should own all the machinery of production in order that this equal distribution may become practicable.

But, inasmuch, as the nation is gradually assuming control of certain industries which already owe their existence to governmental intervention or franchise, there is and will continue some time to be a transition period, in which a basis of distribution in proportion to ability will prevail.

In this article, however, I refer to Nationalism only in its completed and perfected form, and assume a basis of equal distribution dependent upon effort alone.

The principle of equal pecuniary reward to all workers irrespective of their productive ability has been the cause of much unfavorable criticism of Nationalism for three reasons: First, on the ground that such equal distribution would deprive many having superior ability and industry, of luxuries which they are now able to obtain; second, that it would lead to a wholesale shirking of work by the lazy and selfish, and third, on account of a false idea that a pecuniary reward is the only one which will, or ever can appeal to the average human being.

The first of these three objections is answered the moment we fully realize the prodigious increase of productiveness effected by Nationalism, whereby more than sufficient is produced to provide every individual with every want and luxury which can reasonably be desired in a community of workers.

Let us examine the second.

Idleness which under the competitive system is not only allowed but even encouraged, would be discouraged under Nationalism by universal condemnation.

To-day unproductiveness on the part of the wealthy is regarded rather as a mark of distinction than the reverse, and in England, as a *necessary condition* of the highest social distinction, whereas under nationalism, it will be regarded as the most profound disgrace.

Now moral and intellectual effort and achievement, the real wealth producers, stand below financial shrewdness in the rewards and honors of society.

Under Nationalism they will attain the highest rewards and honors within the bestowal of the people, because it will be for the interest of all to have this so.

Now, not only is there no law for the adequate punishment of idleness, but in the present condition of things there could be none. The tramp may be imprisoned, but imprisonment for the tramp means comparative comfort and security. He has nothing to lose, and this is the case with most idlers in the two extremes of social position.

Under Nationalism idleness will be punished by disgrace and the deprivation of all the great wealth and luxuries the nation would otherwise bestow.

Under the present system, work is arduous and unceasing. Under Nationalism it will become the pleasurable exercise of one's strongest faculties and tastes for a definite and useful purpose, an exercise which increases in intensity of interest as those faculties and tastes are developed by cultivation.

Man is by nature ambitious and active. Indolence is the result of disease or discouragement. When in a normal and healthy condition, man, like all animals delights in the exercises of all his functions. Such exercise is a structural necessity the neglect of which results in pain. No severer punishment can be inflicted upon a vigorous nature than forced inactivity. When each individual is allowed to pursue the special activity for which he is best fitted, as will be the case under Nationalism, the danger will be, not that he will work too little but that he will work too much. It must be borne in mind that under the competitive system every kind of occupation is and must be made more or less disagreeable by the very nature itself of the competitive struggle, and it is this alone which now renders work arduous. Thus in the practice of architecture, the detective, legal and financial duties, worries and limitations, and the hurry necessitated by the competitive state are the items and the only ones which render the occupation of the architect irksome. Under Nationalism the expression "work" will acquire an entirely new meaning. It will signify "*interesting occupation*" which corresponds simply with our expression "*play*"; the only difference being that it will be of the kind in which the interest constantly increases through life with the increasing knowledge and skill gradually acquired in the game as it progresses.

When the interests of all become identical, there will be a strong and common motive to make every occupation as pleasant as possible, and when the united energy of an entire people is directed upon the attainment of this object, success will be certain. The architect of industrial buildings instead of being hampered by restrictions urged in the interest of larger profits to capitalists will be encouraged to plan and construct workrooms healthy, comfortable and attractive by thorough ventilation, lighting and every form of sanitary construction and appropriate artistic treatment; this new motive for making every occupation as pleasant as possible will be a strong incentive to supplant by machinery all those kinds of manual work which are, by their nature, unhealthy, dangerous, or especially disagreeable.

The third cause of criticism, that a pecuniary reward is the only one which can possibly appeal to the average man, has been to a great extent answered by what has already been written.

This much, however, may be added, that whatever may be the success of the method of recompense proposed under Nationalism for the encouragement of good work, the method now in vogue must be pronounced a total failure. The hardest workers now as a rule receive the smallest pecuniary reward and honesty and generosity stand little chance before sharpness and selfishness.

The money guage is evidently totally inadequate to measure intellectual effort. The custom of guaging the value of an artist's work, for instance, by a uniform percentage on the cost of the building tends constantly to the deterioration of his art. In a society which pretends to make the reward proportional to ability, the highest intellectual and emotional effort is measured by the same material standard as a purely mechanical or speculative operation backed only by large capital. The designing of a cathedral may produce as much as the commission on a cargo of hogs or on the speculation of a stock gambler, either of which might require but the writing of a single letter.

Under Nationalism no attempt is made to perform the impossible task of measuring mental effort by material standards. Cooperation enables the nation to furnish its citizens free with all the material wants,

[1] Continued from page 170, No. 768.

and intellectual ability and effort are recognized and rewarded by promotion into higher intellectual authority.

But even if pecuniary reward were made dependent upon ability (real and not fictitious) under Nationalism, instead of upon effort, the result would, after all, in either case, be very nearly the same. For it must be remembered that all education being free, every individual will be supported by the State during the courses of schooling and apprenticeship for life's work, or, say, up to the age of 25. Then, if we assume that compulsory service to the nation terminates at the age of 45 or 50, after which the nation resumes the support of its citizens, pensioning those who have manfully labored to support the nation in peace as it now does those who have bravely slaughtered their brethern for their country in war, there will remain only from 20 to 25 years, which will be affected by the question of method of remuneration.

Under the influence of mutual helpfulness which common interests would foster all work will become respectable and respected. There will be no so-called "menial" service. There will be none of the senseless distinctions in the "*respectability*" of different occupations which exist now; as, for instance, between gambling at wholesale as in the stock-exchange and at retail, as at the gaming-table, the former being eminently respectable, though infinitely more injurious to society as affecting countless outsiders; and the latter eminently disgraceful, though harmful only to the individual gambler, himself. Or, as between the skilful mechanic and the wealthy Corporation Treasurer of to-day, the former often requiring infinitely more brains and experience than the latter, who may delegate the real work to assistants. Yet custom places the latter occupation far higher, socially and financially, than the former.

Under Nationalism a liberal education will be given alike to all, and machinery and organization will do much of the work now left to individuals, relieving men of unhealthy and tedious drudgery on the one hand, and of extraordinary responsibility on the other.

The marvellous financial and executive ability now required of business managers to launch and afterwards pilot safely through the stormy seas of competition, every important mercantile or speculative enterprise of to-day, will be supplanted by the perfect system of the great industrial army of nationalists. Then the duties and responsibilities under this system, both of officers and men, will be so equally distributed among all the workers that none will ever feel overburdened by an undue share. Accordingly the remuneration of all workers, even on a basis of ability, would be far more equal than now, and those who fear disastrous results from the adoption of the juster basis, very greatly overestimate the danger.

To illustrate my meaning let us imagine for instance a possible manner in which the Department of Architecture may be organized under a Nationalist administration, without assuming, of course, that the details introduced for the purpose of completing the picture are indispensable to the general plan.

In order that architects may supervise the erection of the structure they design, the national architectural offices will have to be distributed throughout the country in accordance with the requirements of each locality; and for the convenience of the profession they will be built adjoining the great sample-stores of the district. Evidently a much smaller number of architects will be required for a given amount of building than now. Probably a very small proportion of the architects and draughtsmen now practising in Boston, if methodically employed, and relieved of the legal, financial and competitive work now exacted of them, could suffice for the purely architectural work they perform. But under Nationalism, however, the duties of engineer and draughtsman will devolve upon the architect, and as the enormous increase of national wealth will increase also the amount of building, all of which will be placed in charge of architects, the profession will undoubtedly be much larger in proportion to the population than now.

Accordingly the department of architecture, sculpture, and painting for the Boston district will comprise a hundred or more architects. They will occupy a building appropriately designed for the purpose, and as the structure will stand as a permanent expression of the state of our national art at the period of its erection, its proper architectural treatment both exterior and interior will be a matter of patriotic solicitude to every citizen.

As it is indispensable for the highest development of architecture that sculpture and painting be closely allied thereto, or rather, form an essential part thereof, the same building will as intimated contain also the studios of sculptors and painters as well as a museum of the best products of these allied arts.

The site will be made worthy of the structure by landscape gardening, fountains and statuary, arranged in such a manner that the approach shall do honor to the monument. The building itself, both without and within, will be richly adorned with color and sculpture appropriate to its purpose and an atmosphere of refinment will pervade every part inspiring the occupants fittingly for their work. It will face diagonally with the points of the compass in order that all sides may be reached by the direct rays of the sun at some time during the day, the new streets of the city being laid out with this in view.

There will be no "draughtsmen" in the present acceptation of the word. Every part and detail of a building being equally important in the eye of the artist will be the work of his own hand. The enlarging and copying of drawings will be done by photographic and other mechanical processes conducted in a special department of the building devoted thereto. Thus, after the architect has drawn his quarter-inch-scale working-plans, they will be taken into the mechanical department, and such portions of them as the architect desires will be instantly enlarged to, say, an inch-scale, and returned to him. These enlargements will be corrected and refined by him, and then still further mechanically enlarged to full size. Once more the architect will alter and perfect the final enlargements, after which all the drawings will be ready for copying in the mechanical department for distribution among the various builders.

Aided by this mechanical enlarging process, the architect will be encouraged always to begin his designs upon a very small scale, say an eighth or sixteenth of an inch, following them up with many successive enlargements, by which process much greater boldness and simplicity of effect, and much more perfect harmony of proportions are attainable, than is possible without the aid of these successive studies.

In this way the architect will be absolutely relieved from all the purely mechanical and laborious processes he is now subjected to, and thus be free to devote his attention to every detail of the design. His only assistants will be his fellow artists, the sculptors and painters, with whom he will be in constant communication throughout the work.

Of course, under the competitive system all this would be impossible. It could only be carried out by the aid of the wealth of a great Coöperative Commonwealth and on a grand scale. Though a syndicate of talented architects formed on some such basis in any of the great cities even now would probably meet with considerable success both as a financial and economical enterprise.

Since architecture is even to-day, with all its needless drawbacks, one of the most attractive occupations, there will under Nationalism when these drawbacks are removed, be so large a number of aspirants for its practice that only those having exceptional talent or even genius for it will be enrolled by the nation. Undoubtedly the principle of longer working-days for attractive and shorter for unattractive occupations will be adopted by the Commonwealth so far as practicable. But were this principle alone relied upon for equalizing the applications, the days of the most attractive ones might have to be prolonged beyond the limit of healthfulness, and one of the dangers most to be guarded against under Nationalism will be over-application. Even now history is full of cases of physical and mental injury due to over-application for love of work on the part of artists and talented men; and under Nationalism the favorable conditions for work will multiply such cases indefinitely unless wise measures are taken by the administration to provide against it. The people will then be as solicitous for the life and strength of its workers in peace, as they now are of its fighters in war.

Accordingly the length of the architect's working-day will be limited by Nature's laws of health, and it is certain that by the observance of these laws, a greater amount of work will be accomplished in the long run than by their neglect. Therefore a system of selection for talent will govern the admission into the architectural ranks, and it is in this manner that the law of the survival of the fittest will be carried out under Nationalism. It is in this way that Nationalism is seen to be in the direct line of evolution to a higher plane of human life.

How now will the various buildings to be erected by the nation be distributed among the national architects without overworking some and underworking others, and yet in a manner which will yield to the nation the full benefit of the peculiar talents of each individual.

The constantly increasing complication in all industries arising from the rapid progress of science and invention has evolved the *specialist* in the various professions. As in medicine the separate parts of the body have become the subjects of distinct sciences each requiring years of special application for its mastery. So in architecture, special research and experience are requisite for attaining the best results in designing the various kinds of buildings needed. Thus the building of school-houses has become a science of itself. So it is with libraries, and equally with theatres, churches, bridges, hospitals, and, in short, all buildings erected for specialists will require specialists for their erection.

Yet it is, all the same, indispensable that the specialist should be grounded in the principles of general practice, and with this in view the first training of all architects is the same.

The department of architecture will then be divided up into groups of specialists, natural aptitude guiding one individual towards the scientific or engineering side of architecture and another toward the more distinctly æsthetic, emotional, or poetic side, the former corresponding somewhat with the civil engineers of the present day and the latter with our sculptors.

This subdivision into groups of specialists will not only greatly facilitate the distribution of work but it will form an element of harmony and good feeling among the practitioners by excluding, so far, feelings of jealousy which might arise were there no such natural distinction between the workers.

But a still further security against the growth of petty rivalries and jealousies lies in the fact that important work will be provided for all at all times, and that it will be almost impossible to say in the case of nine-tenths of the buildings erected under Nationalism which will be the most important, especially from the standpoint of the architect. The element of size alone will not constitute superiority, for the smallest buildings may be dedicated to the highest purposes. Richness of material and decoration alone will not necessarily open the greatest field for the architect, for the work of the sculptor and

painter will predominate in these. Importance or nobility of destination will not constitute superiority; for under Nationalism all forms of honest work will be seen to be equally noble, and in a like manner the buildings in which such work is performed, and this will be recognized in its true relationship when no longer overshadowed by the money estimate.

I fail, therefore, to find any opportunity under such a system, for the development of petty jealousies predicted by unbelievers in Nationalism, in architecture at least. But I do find the amplest incentives for the noblest form of friendly emulation. Natural genius will, of course, show itself in its works, and lead to prominence, but as soon as the great truth is generally recognized, that, for the highest good of our national architecture, the individual must be made secondary to his art, that personality must be sacrificed for principle, and that the utmost attainment of genius is the contribution of a microscopic atom to the general progress; then will a jealousy due to inequalities of natural endowment be impossible, and no other cause for such a feeling will exist.

Thus it is clear that equal material remuneration among architects at least for equal effort will be a perfectly just and extremely desirable principle, beside relieving artists of all sordid considerations of pecuniary emolument.

The interior administration of our architectural department will be very simple, the utmost possible freedom from unnecessary restrictions of every kind upon individual action being aimed at. Each group of specialists will elect from among its number its Representative or Foreman, and these Representatives will in the same manner elect its Chief of the District Department of Architecture. The duties of these officers will be to place the buildings to be erected in charge of the proper architects, to keep account of the general progress of all work in their District and render a proper report of such work at proper intervals.

It seems to me unnecessary to insist that though election to these offices will be viewed as an honor as implying confidence on the part of the constituents, yet there will be nothing in them of a nature to incite to corrupt practices or intrigue for their attainment. Indeed, most true artists would prefer to be free from the somewhat distracting duties and responsibilities attending them.

At the present time it is customary for the architectural student to obtain the practical part of his training by serving as draughtsman in some architect's office. Under Nationalism a far better and more thorough system of preparation will be provided for the young architect.

A special Preparatory School of Architecture will form a wing of the main building already described, in which students will receive a complete course of architectural and engineering training, theoretical and practical.

This school will possess immeasurable advantages over any now existing in the world, or which could exist under the competitive system. In the German academies thorough courses of both architecture and engineering are given under the same roof open to all.

The leading practising architects of the country are employed to give lectures and practical courses of instruction at the schools at certain hours, usually each instructor giving from four to eight hours a week to this work. At Berlin, when the writer studied in the Royal Academy, there were twenty such courses, most of them conducted by the ablest practitioners in the country.

The principle of instruction in the French Academy at Paris, is very different from the German. Distinguished practising architects give courses of instruction, it is true, but it is a matter of etiquette for a pupil to confine himself to a single instructor during the whole academical course. The result is that the student sees very little of the master, and depends for his advancement substantially upon the emulation existing among the pupils themselves, and the example of the most proficient among them. Such a method of instruction may be good for the painter and sculptor, but for the architect it is totally inadequate.

In both academies, regular monthly or quarterly competitions among the pupils on a given programme constitute prominent features of the course.

Our nationalist school will retain whatever features are good in both French and German schools.

The "*concours*" will be retained, but instead of being competitions for the solution of some programme arbitrarily composed for the occasion, they will be competitions for the solution of programmes for buildings actually to be executed for the nation by the practising architects themselves who constitute the Board of Instructors in the Academy. As in the German schools now, the practising architects under Nationalism will give courses of lectures and of instruction in design to the students in the adjoining building, as a regular part of their professional duties, devoting thereto, perhaps each from four to eight or more hours a week. The course in design will consist in the practising architect giving his pupils for a programme the actual building (no architect having charge of more than one building at any time) he is himself commissioned to erect at that time. The programme will be presented to his pupils after he has prepared his first working-drawings precisely as it was presented to him by the administration, with such additional explanations as he may deem necessary for his pupils; and after they have completed their drawings, each will have the advantage of comparing them not only with those of their fellow-pupils, but still better with those of the master himself as prepared for actual execution. The importance of this feature of our academical course as a means of inducing a serious, intelligent and practical study of their plans on the part of the student is inestimable. The training at once assumes the attractiveness of reality, and both pupil and master are immensely benefited at the same time. The architect acquires the invaluable habit of expressing his ideas in the clearest manner by word and pencil, and is obliged to have a good reason for every architectural form which the conditions of the problem have evolved. Everything must be truthful, logical and refined in his design in order that it may serve as a perfect model for his pupils. On the other hand, any peculiarly happy points which may be developed by the studies of the pupils will be gladly incorporated by the architect in the plans to be executed, such adoption not only encouraging and gratifying the pride of the student but benefiting the public as well.

After the plans are completed and during the erection of the building, an important part of our course of instruction will consist in the inspection of the work by the pupils under the architect's guidance and explanations, from time to time as the work progresses.

Thus the training of the architectural student for his professional work will be scientifically conducted in the most thorough manner both theoretically and practically. He receives instruction not from one architect alone but from many, all working harmoniously together in one style, the national style, and all interested in his progress.

The haphazard and superficial instruction which the student of to-day receives as a draughtsman in his wanderings from office to office, picking-up here a little and there a little, copying letters, running errands, tracing ill-digested plans which he only half understands, and perhaps never sees executed, haggling for an increase in his salary, and ever harassed by petty rivalries and jealousies, will be happily done away with forever.

The various building trades will work in harmony with the architects. Like them they will be divided into specialists in each great department. Thus in the mason's trade, the same individual will take charge of the masonry of the same kind of building as a specialist in that class, and in this way builders and architects in the same class will become personally acquainted with one another and with their peculiar work, and the work of both be thereby facilitated and improved. The specifications of the architect as to the materials to be used will consist simply in designating these materials through their numbered samples in the great sample-store adjoining the building of the department of architecture. The same numbers will be affixed to the samples published in the great national catalogues, so that the builder will be obliged only to refer to these to enable him to carry out the terms of the specification to the letter. The builders will have nothing to do with estimating the cost of the structures. This will be done by specialists in the architectural department. Nor will the builder nor any of the workmen have anything to do with contracts or payments of any form whatever connected with the building. The specification of the architect properly signed by him and countersigned by the head of his department, will constitute the order of the builder upon the national supply-department for building materials. All the details for the stone-cutting will be made by the architect. The builder will have nothing to do with the stone-cutters. These will be employed by the government directly at the quarries where the details of the architect will be carried out. In this manner all waste of stone and cost of transporting the rough material will be avoided. It will be the same way with the framing which will be cut and fitted at the mills.

The builder will take the place of the clerk-of-the-works of to-day, and have charge, under the architect, of all the workmen employed on the building, entirely relieving the architect of any responsibility for delays and inaccuracies not due to errors in the plans. All the workmen will, of course, be on a financial equality, and they will be subjected only to such discipline as is necessary to the proper conduct of the work. The officers will consist simply of the builder or chief of the works, and the foremen in the different trades, who will see that the men are provided with materials and that they use these materials properly and economically, and do their duty generally. Gross carelessness and indolence will be reported and punished by reduction of remuneration and by such other means as may be found most effective.

It is likely that before Nationalism can be introduced in its complete and perfect form, machinery will have supplanted most or all of the most disagreeable parts of the builder's work, such as conveying the heavy materials from the ground to the parts of the building where they are to be finally laid. But even then there will for a long time be no lack of men incapable of doing the difficult and more intellectual parts of the construction. These will be glad of the opportunity to perform the purely mechanical operations, uneducated foreigners will, so far as the immigration laws will allow, flock to the nation which first adopts a rational system of industry and undertake such forms of labor as will be found arduous by the natives under the high grade of cultivation such a system will furnish, before suitable machinery shall have been invented as a substitute.

The kind of work which will remain after machinery and foreigners have undertaken the most arduous and mechanical parts, will be a high grade of skilled labor, involving perhaps as long a course of preparatory education and as much ability, though of a different kind, as the various professions, and deserving of as high a material reward.

A word about the morality and justice of Nationalism and I shall then endeavor to explain in conclusion the method by which I believe

the system may be speedily introduced into our country without friction or confiscation of personal property, when once the people become sufficiently informed as to its principles to desire it.

J. P. Putnam.

[To be continued.]

THE DOME OF ST. PAUL'S.

THE WHISPERING GALLERY.

THE mathematical theory of sound has been completely worked out, yet he would be a bold man who would venture to predict *à priori* what the exact acoustic properties of any proposed large edifice would be. This is, however, scarcely to be wondered at when we call to mind how easily the delicate sound-waves may be disturbed, reflected, absorbed, or reinforced. Laboratory experiments show conclusively that the presence or absence of a suitable sounding-board may make all the difference as to whether vibrations shall or shall not be audible to the company filling a room such as the Lecture Theatre of the Royal Institution.[1] The writer remembers once opening the west door of Ely Cathederal, when immediately there fell upon his ears, as distinctly as though he had been within a few feet of the speaker, the words of one of the Commandments read out by the present Bishop of Carlisle at the altar more than 450 feet away; every syllable was distinct, yet the vibrations had to traverse the choir with its groined vault, the lofty central octagon, and the nave with its wooden wagon-head ceiling. These remarks have been suggested by a passage in Lord Rayleigh's "*Theory of Sound*,"[2] which may be of interest to architects. He says:

One of the most striking of the phenomena connected with the propagation of sound within closed buildings is that presented by "whispering galleries," of which a good and easily accessible example is to be found in the circular gallery at the base of the dome of St. Paul's Cathedral. As to the precise mode of action acoustical authorities are not entirely agreed. In the opinion of the [late] Astronomer Royal,[3] the effect is to be ascribed to reflection from the surface of the dome overhead, and is to be observed at the point of the gallery diametrically opposite to the source of sound. Every ray proceeding from a radiant point and reflected from the surface of a spherical reflector, will after reflection intersect that diameter of the sphere which contains the radiant point. This diameter is, in fact, a degraded form of one of the two caustic surfaces touched by systems of rays in general, being the *loci* of the centres of principal curvature of the surface to which the rays are normal. The concentration of rays on one diameter thus effected does not require the proximity of the radiant point to the reflecting surface.

Judging from some observations that I have made in St. Paul's whispering gallery, I am disposed to think that the principal phenomenon is to be explained somewhat differently. The abnormal loudness with which a whisper is heard is not confined to the position diametrically opposite to that occupied by the whisperer, and therefore, it would appear, does not depend materially upon the symmetry of the dome. The whisper seems to creep round the gallery horizontally, not necessarily along the shorter arc, but rather along that arc towards which the whisperer faces. This is a consequence of the very unequal audibility of a whisper in front of and behind the speaker, a phenomenon which may easily be observed in the open air.

Let us consider the course of the rays diverging from a radiant point P, situated near the surface of a reflecting sphere, and let us denote the centre of the sphere by O, and the diameter passing through P by $A\,A'$, so that A is the point on the surface nearest to P. If we fix our attention on a ray which issues from P at an angle $+\,\theta$ with the tangent plane at A, we see that after any number of reflections it continues to touch a concentric sphere of radius $O\,P$ cosine θ, so that the whole conical pencil of rays which originally make angle with the tangent plane at A numerically less than θ, is ever afterwards included between the reflecting surface and that of the concentric sphere of radius $O\,P$ cosine θ. The usual divergence in three dimensions entailing a diminishing intensity varying *inversely as the square of the distance* is replaced by a divergence in two dimensions like that of waves issuing from a source situated between two parallel reflecting planes, with an intensity varying *inversely as the distance*. The less rapid enfeeblement of sound by distance than that usually experienced is the leading feature in the phenomena of whispering galleries.

The thickness of the sheet included between the two spheres becomes less and less as A approaches P, and in the limiting case of a radiant point situated on the surface of the reflector is expressed by $O\,A\ (1 - \text{cosine}\ \theta)$, or, if θ be small, $\frac{1}{2}\,O\,A.\,\theta^2$ approximately. The solid angle of the pencil, which determines the whole amount of radiation in the sheet, is $4\,\pi\theta$; so that as θ is diminished without limit the intensity becomes infinite, as compared with the intensity at a finite distance from a similar source in the open.

It is evident that this clinging, so to speak, of sound to the surface of a concave wall does not depend upon the exactness of the spherical form. But in the case of a true sphere, or rather of any surface symmetrical with respect to $A\,A'$, there is in addition the other kind of concentration spoken of at the commencement of the present section, which is peculiar to the point A' diametrically opposite to the source. It is probable that in the case of a nearly spherical dome, like that of St. Paul's, a part of the observed effect depends upon the symmetry, though perhaps the greater part is referable simply to the general concavity of the walls.

The propagation of earthquake disturbances is probably affected by curvature of the surface of the globe acting like a whispering gallery, and perhaps even sonorous vibrations generated at the surface of the land or water do not entirely escape the same kind of influence.

In connection with the acoustics of public buildings there are many points which still remain obscure. It is important to bear in mind that the loss of sound in a single reflection at a smooth wall is very small, whether the wall be plane or curved. In order to prevent reverberation it may often be necessary to introduce carpets or hangings to absorb the sound. In some cases the presence of an audience is found sufficient to produce the desired effect. In the absence of all deadening material the prolongation of sound may be very considerable, of which, perhaps, the most striking example is that afforded by the Baptistery at Pisa, where the notes of the common chord, sung consecutively, may be heard ringing on together for many seconds. According to Henry[4] it is important to prevent the repeated reflection of sound backwards and forwards along the *length* of a hall intended for public speaking, which may be accomplished by suitably placed oblique surfaces. In this way the number of reflections in a given time is increased, and the undue prolongation of sound is checked.

Thus far Lord Rayleigh: but it may be remarked thereon that the whispering gallery at St. Paul's is not at the base of the dome, but considerably below it — at the bottom, in fact, of the slightly-inclined drum on which the dome rests — and that the dome, according to Mr. Penrose is a paraboloid generated by the rotation of a portion of a parabola round an axis lying in its plane, and making an angle of $38\frac{1}{2}$ degrees with the axis of the curve; the axis of rotation, of course, coinciding with the vertical line through the centre of the octagon which the dome covers, and the inclined line of the drum being tangential to the generating curve. Now it is at least singular that the data furnished by Mr. Penrose lead to the conclusion that the axis of the generating curve, produced downwards, traverses the whispering gallery; or, in other words, the source of sound is always on, or very near to, an axis of symmetry of the dome overhead. The greater part of the height of the drum is broken up with pilasters, windows and niches, which would materially interfere with the reflection of sound-waves, but the broken-up surface commences at a height of some feet above the gallery, and it would appear that the waves, impinging upon a considerable portion of the smooth band thus left above the head of a person in the gallery, would be first reflected to the portion of the domical surface near the vertex of the generating curve, and thence down again in the neighborhood of the spot diametrically opposite to the source of sound. — *T. J. Eagles in the R. I. B. A. Journal.*

[1] Tyndall's "*Lectures on Sound*," p. 81, 2d ed. 1869.
[2] Vol. ii, sect. 287, pp. 115-117.
[3] Airy "*On Sound*," p. 145, 2d ed. 1871.
[4] "*American Association Proceedings*," p. 119. 1856.

THE ILLUSTRATIONS

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

DOORWAY TO HOUSE OF W. P. MASON, ESQ., 211 COMMONWEALTH AVE., BOSTON, MASS. MESSRS. ROTCH & TILDEN, ARCHITECTS, BOSTON, MASS.

[Helio-chrome issued with the International and Imperial Editions only.]

OFFICE-BUILDING FOR THE *Globe-Democrat* PRINTING COMPANY, ST. LOUIS, MO. MR. ISAAC S. TAYLOR, ARCHITECT, ST. LOUIS, MO.

RED granite base with red sandstone for first and second story walls and for trimmings above; body of walls of red brick. The ground-floor will be used for the newspaper counting-room, mailing-room, etc. The presses will be placed in the basement with boiler and engine room in sub-basement. Composing-room and editorial-rooms on 7th and 8th stories. Will be of strictly fireproof construction throughout. Italian marble on floors and walls of all corridors and entrances. All conveniences and finish of a thoroughly first-class modern office-building. Cost $375,000.

BREWSTER ACADEMY, WOLFBORO, N. H. MR. JAMES T. KELLEY, ARCHITECT, BOSTON, MASS.

PROPOSED HOUSE, STATEN ISLAND, N. Y. MR. W. M. MACCAFFERTY, ARCHITECT, NEW BRIGHTON, N. Y.

HOUSE FOR MRS. W. S. HILL, GRAND RAPIDS, MICH. MESSRS. MASON & RICE, ARCHITECTS, DETROIT, MICH.

PIANO FOR F. A. WRIGHT, ESQ. MESSRS. ROSSITER & WRIGHT, ARCHITECTS, NEW YORK, N. Y.

[Additional Illustrations in the International Edition.]

A CLUSTER OF COLUMNS IN THE CLOISTER, MONREALE, SICILY.

[Gelatine Print.]

IT is not an uncommon thing for architects about to make a trip to Europe to ask if they cannot be of some service to us, and we always explain in what way their efforts may be profitably expended for the benefit of our subscribers. Experience has shown that these well-intentioned offers were made in total misapprehension of the difficulties that would attend their execution, for of the many travelling architects who have offered aid only one has had the perseverance to surmount the difficulties his own good nature imposed upon him. We believe that our subscribers will share the gratitude we feel toward Mr. John Lyman Faxon, of Boston, for the series of negatives of fragments of the famous cathedral at Monreale, which enable us to publish the first subject in this issue.

A HOUSE ON THE MUSEUM PLACE, BUDA-PESTH, HUNGARY. HERR. NIC. VON YBL, ARCHITECT.

[Gelatine Print.]

ORNAMENTS BY AN UNKNOWN SIXTEENTH-CENTURY ARTIST.

[Engraving.]

RUISHTON CHURCH, SOMERSET, ENG. P. M. JOHNSTON.

PULPIT AND ORGAN, ST. MICHAEL'S CHURCH, FRAMLINGHAM, ENG. E. S. PRIOR, M. A.

CHANCEL, HOLY TRINITY CHURCH, READING, ENG.

THE drawing produced this week was exhibited in this year's Royal Academy, and the work proposed was described in *The American Architect* for August 16 last, when the external view was published.

THE WHITE HART, HAVANT, ENG. MR. EDWARD STALLARD, ARCHITECT, HAVANT, ENG.

THE building has a frontage of forty-four feet to the North and thirty-three feet to the East Streets, and is faced with red bricks, pointed with a tuck-pointed joint in black mortar, and has moulded red-brick labels, string-courses and cornices, with red terra-cotta panels. The raised name panels to each front are carried out in red rubbing bricks set in shellac, with lettering formed in relief in the brickwork. The upper part of fronts, and also the roofs, are covered with strawberry-colored Broseley tiles, with ornamental bands, etc.

NO. 9 BUSH LANE, CANNON STREET, LONDON, E. C. MR. THOMAS R. RICHARDS, ARCHITECT, LONDON, ENG.

THIS building is situated on the west side of Bush Lane, close by the Cannon Street Station and Hotel. It has six floors, including the basement, and good lighting is secured throughout. The light to the lower floors being of much importance, iron construction is used here, permitting of continuous windows running right round the external sides. The upper floors extend across the arch-way, which is fireproofed and lined on underside with white-glazed bricks, as is also the wall under it opposite the windows. Each floor is subdivided into offices of convenient size, and the building is so constructed as to admit of all or any of the divisions being removed as desired. A small area at back, lined with white-glazed bricks, lights and ventilates the water-closets, lavatories, etc. The entrance hall is paved in mosaic, and a good, light, easy-going staircase leads direct from the entrance to the top floor. Prismatic pavement-lights are placed all round roadways to light basement, and have the area walls under same lined with white-glazed bricks. The fronts generally are in red brick, with moulded strings, cornices, key-stones, etc.; red-glazed brick are used for the piers and pilasters, and for the windows dressings, etc., over door, and green-glazed bricks are introduced in strings and panels. The dressings to entrance doorway are in red Mansfield stone, and the door in hardwood.

COMMUNICATIONS

[*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 LOSS OF LIFE ON THE N. Y. CENTRAL R. R.

NEW YORK, September 22, 1890.

TO THE EDITORS OF THE AMERICAN ARCHITECT: —

Dear Sirs: — In regard to your remarks of Sept. 20, 1890, in relation to statement made by Mr. Powderly that "forty men had lately been killed on the New York Central Railroad between 33d and 65th Streets," I beg to say that you are in error in regard to the road running through the tunnel between these two points; that is, the part of the road to which Mr. Powderly referred is the old road on the west side of the city, running to the freight yards, a freight depot being at 33d Street, and also one at 65th Street, and which runs through 11th Avenue on the surface of the street, and not the passenger road running through 4th Avenue tunnel.

Respectfully,

GEO. W. WHITE.

DURABILITY OF HIGH BRICK BUILDINGS.

PHILADELPHIA, PA.

TO THE EDITORS OF THE AMERICAN ARCHITECT: —

Dear Sirs, — I have been in search for an article upon the advantages and durability of *high* brick buildings.

If you can help me out in any way, either through the columns of your own paper or in referring me to some pamphlet or paper of this nature, I shall be very glad to remunerate you. If any back number of your paper contains such an article, please mail it to me. Hoping you will be able to render me some assistance,

I am yours very truly, THOS. GAMON.

A CORRECTION.

A CORRESPONDENT who desires to put others on their guard writes as follows: —

"Your reviewer of foreign books has gotten me into a little extra correspondence by stating in the number of July 12 last, that the price of '*L'Architettura Italiana*' was 4 francs, when I find in reality it is 6 francs and 1 additional (total 7) for postage."

We are, of course, very sorry to have misled any one.

NOTES & CLIPPINGS

COUNTERFEIT PAINTINGS PRODUCED AT FONTAINEBLEAU. — An unexpected support has just been furnished to American advocates of the suppression of the duty of 30 per cent on foreign paintings and works of art imported into the United States. One of their arguments was to the effect that, as this duty made the importation dearer, Americans would purchase only paintings of renowned artists, and consequently that there would be a stronger incitement to selling them counterfeits skilfully gotten up. Nobody cared to buy common-rate paintings, when it cost no more, at least as to custom-house duties, to import first-rate works of art. The artists of the two worlds easily understood that, and this is why they applauded so warmly the announcement by the United States Minister on the opening of the American Artists' Cercle in Paris, that the House of Representatives at Washington had abolished the duty of 30 per cent. They hope at present that the recent discovery of the stupendous frauds perpetrated by some low artists without any scruples may persuade the American Senate to maintain the abolition decreed by the House. The counterfeiters were discovered through the exertions of the sister of the famous painter Courbet, who died a few years ago. His paintings, however, were not the only ones upon which counterfeiters exercised their nefarious practices, and a whole lot of landscapes, portraits, Virgins and historical scenes were found offered for sale at Brussels, the great emporium for that kind of spurious works of art. In the month of July, says "*Le Temps*" of Paris, the catalogue of a large sale of paintings to be held at Brussels was sent to all papers of the Continent. In that catalogue figured a "standing portrait of Courbet's sister," by her brother. He had made, indeed, three or four portraits of her, but in bust, and she could not remember of having ever being painted "standing" by him. She went to Brussels, accompanied by her cousin, M. Eugene Courbet, a treasurer for the city of Paris. They saw that the portrait was that of some woman, but not at all of Miss Courbet, and they caused a rectification to be made on the catalogue. In the course of their investigations it was learned that a Brussels dealer, also the owner of a store in Paris, possessed a whole lot of alleged paintings by the great masters, Troyon, Corot, Courbet, etc. The dealer ordered them to be painted by some artists, the principal of whom lived at Marlotte, the celebrated village in the midst of the Fontainebleau forest, the cherished gathering-place of so many foreign and French artists, and not far from the place inhabited by Millet, the painter of "The Angelus." Those counterfeiting painters

had each his specialty, but two of them worked especially on imitations of Courbet. One of them had been the pupil and the friend of the great artist, and he so perfectly imitated his style that one of his counterfeits was admitted at the latest Salon in Paris. The other was, however, the principal painter of the pictures offered for sale by the Brussels dealer. The latter, in order to give to the imitated paintings a better appearance of the genuine, which were known to date some years ago, "cooked" Courbet's counterfeits in a campaign-stove of peculiar arrangement, and thus they looked to have the age they would have had if genuine. These practices facilitated the sale of those spurious works of art, but now the nefarious trade of the Brussels dealer is at an end, for he has been compelled to close his store. — *N. Y. Tribune.*

Air-Filters. — Last year Dr. R. J. Petri undertook a series of experiments at the Charlottenburg Polytechnic, in order to test the efficacy of textile air-filters for excluding micro-organisms. A short account of these experiments was published in the *Proceedings of the Institution of Civil Engineers.* A measured volume of air containing germs was passed through a filtering-cloth, and the result was ascertained by cultivation experiments on gelatine. The cloth used was a cotton fabric especially made for the purpose, and contained a weft of eighteen to twenty threads and a warp of nineteen threads to the centimetre. The volume of the air passed through was 161.75 cubic metres per square metre of filtering-surface. Dr. Petri found that this cloth failed to keep back the germs, as in one cubic metre of filtered air there were 2,900 bacteria and 13,500 spores of fungi. Some experiments were made with another cloth of closer fabric, and which had been used as an air-filter for some time. This gave far better results, although there were 510 germs of bacteria and 320 fungi spores in a cubic metre of air. It was found that a cloth which had been in use seventeen months had retained approximately 6,780,000 bacteria and 8,570,000 fungi spores per square metre of surface. These results were calculated to upset the belief of those who were trusting to the efficacy of air-filters of this nature, and in a recent number of the German publication, *Zeitschrift für Hygiene* (Vol. vii., p. 379), Dr. Karl Möller, who is a member of a firm engaged in the production of air-filters, criticises Dr. Petri's experiments, the results of which he considers not to be reliable. There are, he says, two kinds of air-filters, "germ-proof" and "dust-proof." The former consists mainly of ten layers of a thick, closely woven, and very rough material. The layers are arranged in a series of bags or pockets, the surfaces of which are placed at an angle to the direction of the air-current, the angle varying between three and five degrees. This disposition of the cloth, it is claimed, has a very great influence on the efficacy of the filter. In the dust-proof filters only one thickness of cloth is used. Dr. Möller complains the Dr. Petri did not conduct his experiments under conditions suitable to testing the filter. The latter caused the current of air to pass at right angles to the surface of the cloth, which, further, was strained by the passage of large volumes of air at an excessive velocity. Moreover, the cloth was not sterilized to begin with. On the whole it would seem that further experiments are required before we can say definitely that a "germ-pooof" filter has not been made, although it seems too much to expect that, by any arrangement of layers of cloth, micro-organisms can be altogether arrested. Upon the value of "dust-proof" air-filters there is, or rather, should be no need to enlarge; their advantages are plainly manifest and consistently neglected. — *The Builder.*

Using Electricity in Making Iron. — The most recent discovery made by Dr. Stephen H. Emmens is a process of making wrought-iron from pig metal without puddling. This is done by electricity, and the principal factor in its production is a dynamo. The method is very simple. The pig-iron is placed in vats or baths which are nearly filled with a chemical solution, and which are also provided with a series of plates of thin sheet-iron. These plates are connected with the negative pole of a dynamo, and the pig-iron is connected with the positive pole. The effect of this arrangement is that when a current of electricity is generated by the dynamo it gradually causes the iron of the pig-iron to become separated from its associated carbon, silicon, sulphur, phosphorous and other impurities, and to appear in a pure condition in the form of a deposit on the sheet-iron plates. When the deposit attains a sufficient thickness it is taken from the plates and forged or rolled into any desired form. The quality of this wrought-iron is superior to that of the best Swedish or Russian iron in the market. This iron can be bent, rolled or twisted into any shape, cold. The superintendent said that he could take a horseshoe nail, fasten the head of it in a vise, and twist it into an almost perfect screw without breaking. Blacksmiths have used the iron and pronounced it of the best quality. The specimens the doctor has at his laboratory appear to possess all the points of superiority he claims for them. The doctor has filed his papers for a patent both in the United States and in England, and he expects in a short time to make the iron upon a much larger scale than the experimental one. He has received inquiries concerning his process from nearly all parts of the world. A few days ago he received a letter from L. Imperatori, a large manufacturer of iron, in Italy, and the inventor of a patent process for the production of steel and iron, informing him that he had heard of the Emmens process, and would arrive in this country about the 1st of October to see it. It is also probable that some of the members of the English Iron and Steel Association, which will be in Pittsburgh in October, will visit the Emmens works. — *Pittsburgh Post.*

Feather Factories in Germany. — The United States Consul at Mannheim says that in Mannheim and the neighborhood there are several large factories worked by steam, with enormous machines employing hundreds of hands, engaged in preparing feathers for market. The feathers come in great quantities from Russia, Austria, and other parts of Europe, and also Asia, China especially sending vast quantities in a very dirty condition. The feathers come into the factory in large bales. These are opened near a kind of gin or breaker, which separates the feathers from a lumpy or bunchy form, and flings them around in an air-filled chamber, through which a constant current is blowing. From this machine they go to another, in which, by means of ventilators, a separation of the short and light feathers from the long and heavy is made. Stage after stage, through machines arranged and shaped much like cotton gins, the feathers fly, each machine separating the lighter from the heavier, until the most delicate, flaky, snow down, is flung out into a large chamber. In one stage of the process, the feathers are cleansed. This is done by placing them in a large steam-heated boiler, into which steam is projected, and made to cleanse every particle of dirt from the feathers. Long before the feathers have time to be wet through by the steam, dry air is injected from one side, while suction currents draw off every particle of dust or dirt loosened by the steam. The largest feathers, those which on account of the long quills are unfitted for use, are sent to the State prisons, where for very small sums, the "wings" are carefully torn from the quills and returned to the factory, where they are cleansed and prepared for market. Most of the factories endeavor to get out of the feathers as much as possible of the down. A very fine quality of this article, that of the eider duck, fetches as much as 35s. a pound. The machines are very simple in character and construction, and require in their working no special skill. They consist of breakers and ventilators. Contrivances for catching dust have been invented, but never any so skilfully contrived as to keep the fine particles from finding their way into the open rooms and thence into the lungs of the workpeople. The machines are not patented, the demand not being large enough to warrant the expense of obtaining and maintaining patent rights. — *Journal of the Society of Arts.*

Old Church Floors. — Church floors present many interesting details. In York Cathedral, on the pavement, there used to be certain stones that marked the places where the leading personages were to stand in ceremonials. In Westminster Abbey there used to be a straight line of small stones in the middle of the paved floors to enable processions to keep in the centre of the ambulatories, portions of which may still be traced. — *The Gentleman's Magazine.*

TRADE SURVEYS

The reaction from temporary depression has been sudden and complete, at least for the time being. Important changes will be made in Treasury management. A broader commercial and financial basis will be laid by the business interests. The great expansion in all directions is having the effect of changing men's views as to the functions of money, and as to the importance of a sufficient volume of it. The disposition of present political issues will open up in the near future the consideration of a number of vital, and, as might just now be termed, radical measures. This will bring out, probably, a new and radically different set of public men. The change may not be sudden, but the driving necessity behind will not brook delay very long. Business has been up to the average during September, despite untoward influences. Jobbers have large stocks, especially those dealing in imported commodities. Manufacturers in all lines at home are crowding production as they have been for months past. Even in dry goods, hosiery, upholstery and carpets, great activity prevails. Stocks are large, but a remarkably active distribution is going on. In boots and shoes the output is very heavy, in paper prices are strong, and mills are running for the most part, according to recent estimates, within ten to fifteen per cent of their maximum capacity. Hardware manufacturers are everywhere pretty fully engaged, and hardware jobbers both East and West report a good business in progress. Architects are even now quite busy on winter work. Contractors and consulting engineers say that the winter months will be months of active preparation for early work next year. Civil engineers in Boston, New York and Chicago occupying positions which give their words much force say that at no time has there been as much new work projected. Railroad building is less promising than usual, but rail-makers have sold upwards of a million and a half tons of steel rails, besides much other stuff, and at this time they are in receipt of inquiries for large lots for winter and early spring delivery. Leaving out of account the doings of the speculators, trade is on a most solid and satisfactory basis. The chronic complaint of many Western writers that the West is suffering from interest exactions due the East is again proved to be without foundation. The greater productive capacity of the newer sections growing out of assistance received is a practical answer to all complaints. The iron and steel makers of Pennsylvania, Ohio, Tennessee and Alabama are all far oversold. A recent review of the Southern lumber interests shows that saw-mill capacity has been taxed for months, and an excellent season is ahead. New Orleans cotton authorities figure out that the gain which cotton-growers will realize out of this crop will stimulate cotton culture sufficiently to be felt in the implement, tool and general machinery interests. The same views are expressed at Memphis. As to the advisability of buying heavier stocks of all kinds, merchants and manufacturers differ. The basis for the difference is the probability of an advance in prices in 1891. It is rather strange that such a probability, or rather improbability, should cause concern in the month of September, 1890, but, as observed a few weeks ago, the subject is one that is studied by investors, manufacturers and others. Here is one fact that points in that direction: a large volume of available capital at home and abroad is now held in reserve. It is not that investors are not satisfied with profits and dividends on investments already made, but they feel that the country is about taking a new departure; that political views are changing; that vast possibilities and opportunities are opening up; that new theories and views are seeking a fighting ground, and, therefore, there is a little hesitancy they can hardly explain in the matter of launching out on a grander scale of investment than ever. One matter the leaders in the world's activities would like to be assured of is the permanency of any given political policy, whatever it may be. There is no power to give that assurance. The people are restive, and investors know it, but how that fact can affect the safety of investments the average observer fails to see. There is need of a well-defined national policy. Questions which the interests of thousands of millions of capital demand should be settled for good and all are made political foot-balls. There are a good many straws pointing in the direction of a more businesslike management of governmental affairs and in every department of them.

S. J. Parkhill & Co., Printers, Boston.

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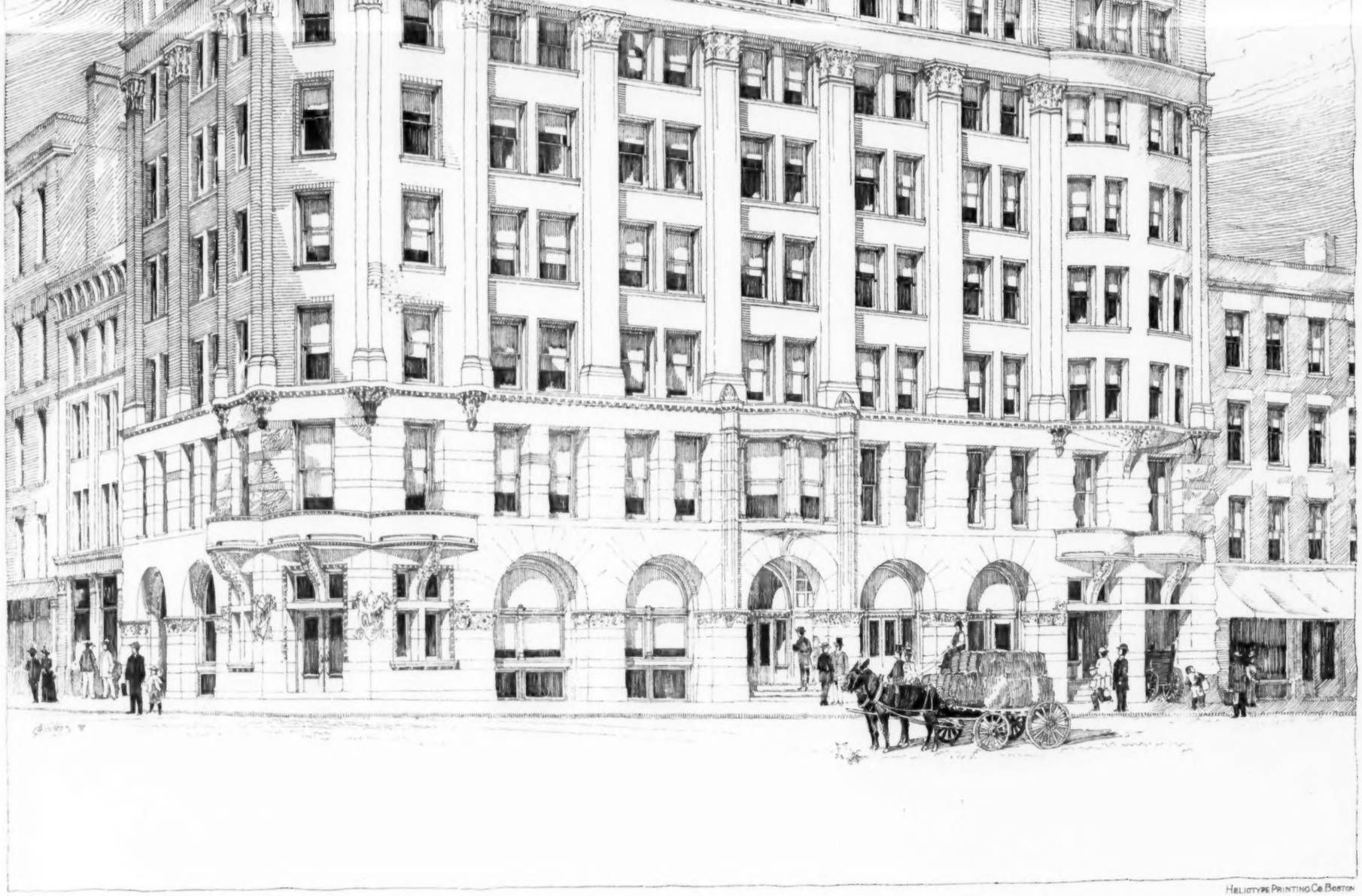

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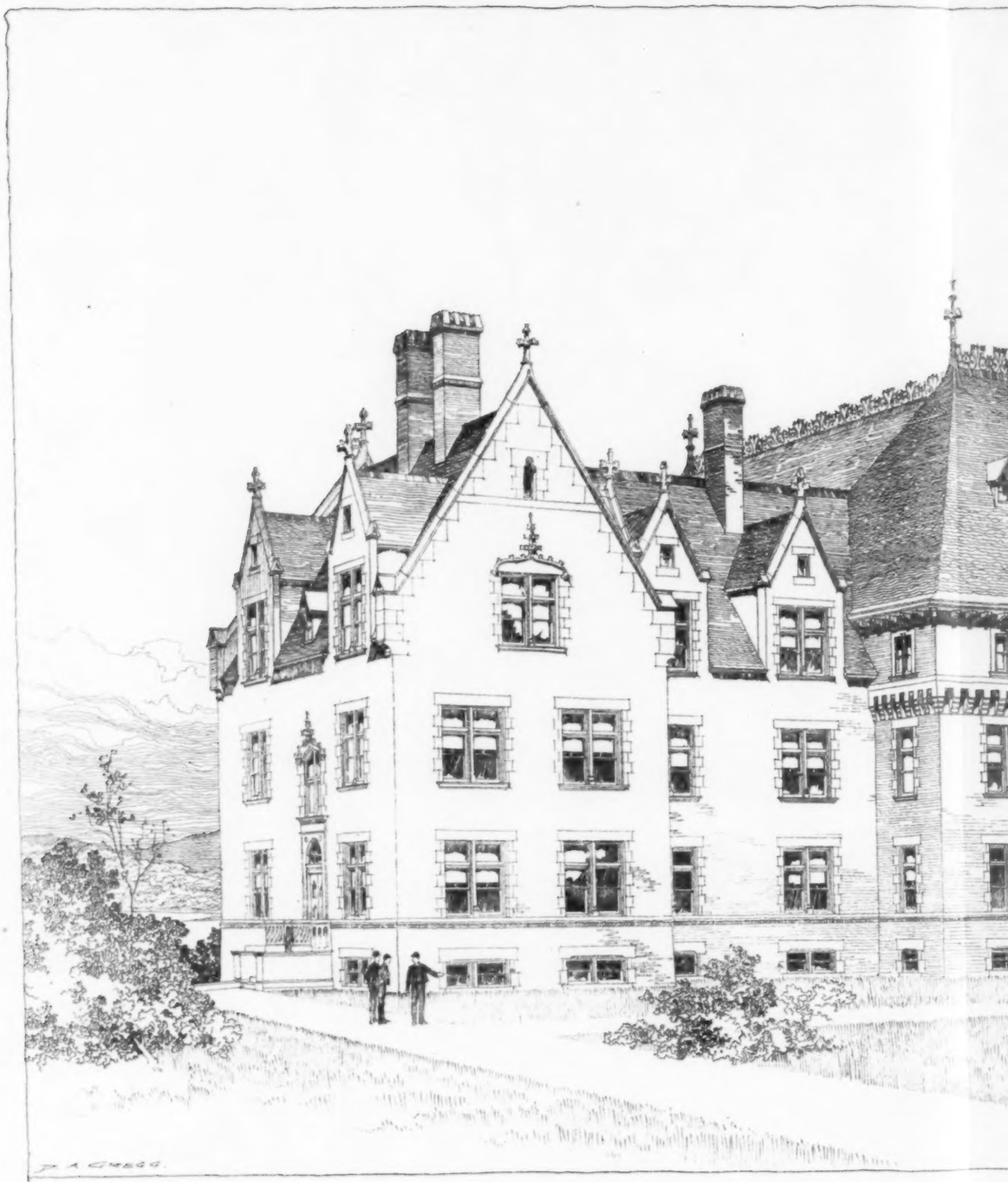

· BREWSTER ACADEMY

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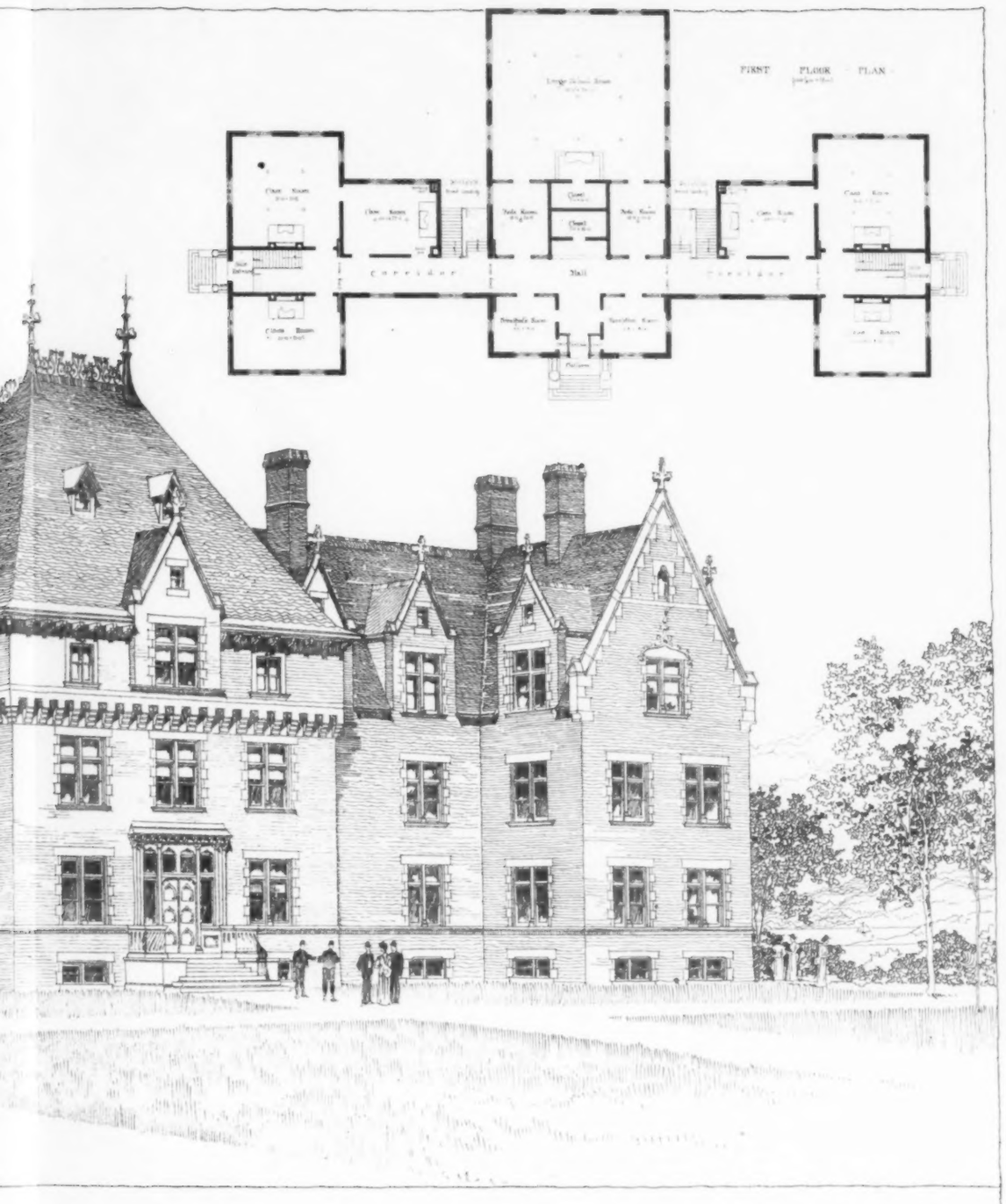

EMY · WOLBORO · N·H·

JAMES T. KELLEY · ARCHITECT
57 Mount Vernon St. — BOSTON MASS.

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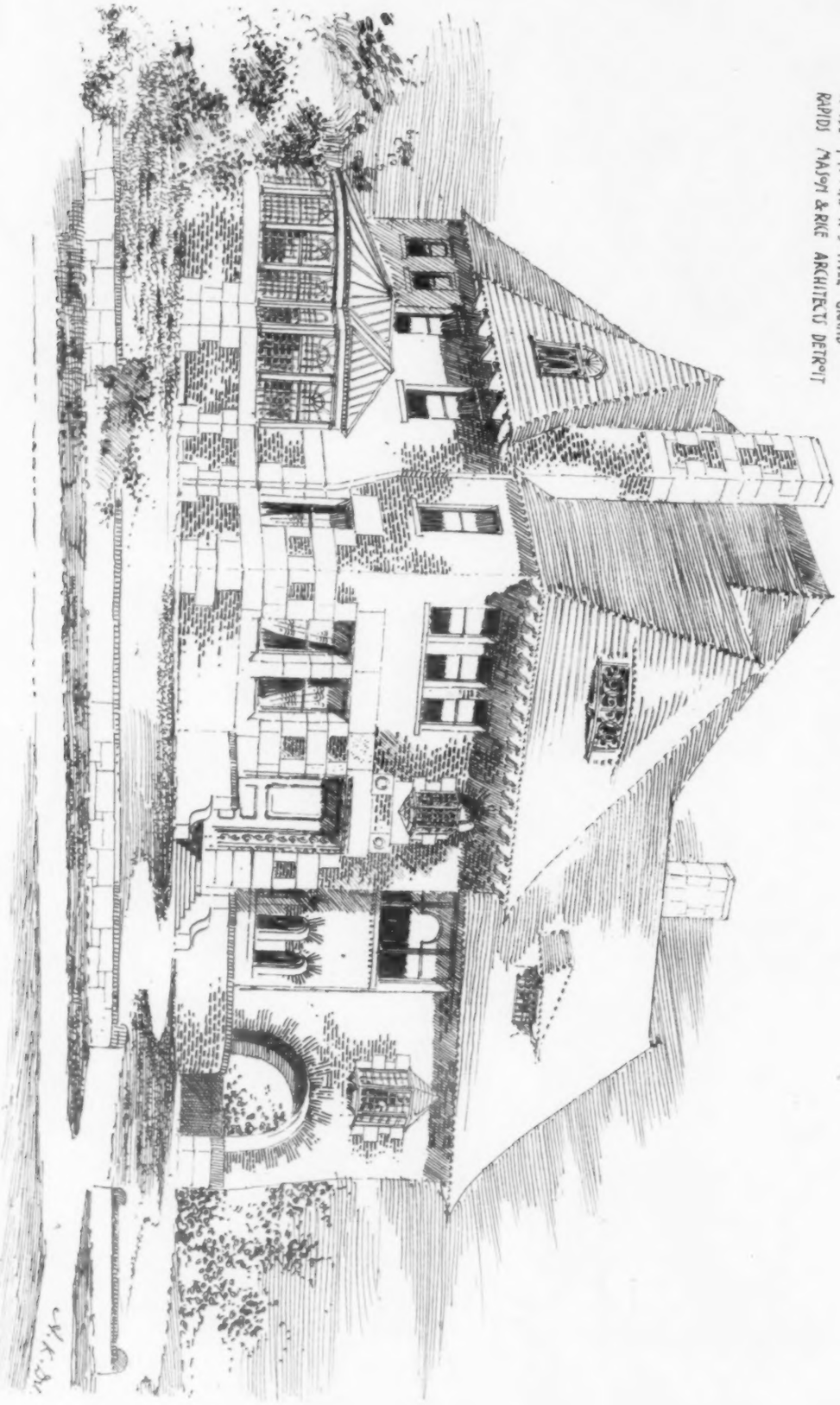

HOUSE FOR MRS. W. S. HULL GRAND RAPIDS MASON & RICE ARCHITECTS DETROIT

HELIOTYPE PRINTING CO. BOSTON

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-PIANO- built by
-THE WHEELOCK-PIANO-CO-
for F.A. Wright.
Designed by Rossiter and Wright, Archts. 47 Liberty St. N.Y.C.

Sketch Plan
1st Story

· Proposed House on Staten Island ·
W.M. Maccafferty, Archt.
New Brighton · Staten I.

THE AMERICAN ARCHITECT AND BUILDING NEWS

ADVERTISERS' TRADE SUPPLEMENT.

No. 97. SATURDAY, JULY 5, 1890. VOLUME XXIX. No. 758.

THE TITAN HYDRAULIC PLUNGER ELEVATOR.

THIS type of Hydraulic Elevator, known also as the Direct Acting, is without question the simplest, safest, most compact and convenient ever designed, and for lifts of fifty feet or less, where the soil is such that it is possible to excavate it, the plunger elevator will entirely fulfil all requirements. In other cases we would recommend our Atlas Hydraulic Screw Elevator, which is perfectly adapted to all variations of height, speed, capacity and pressure.

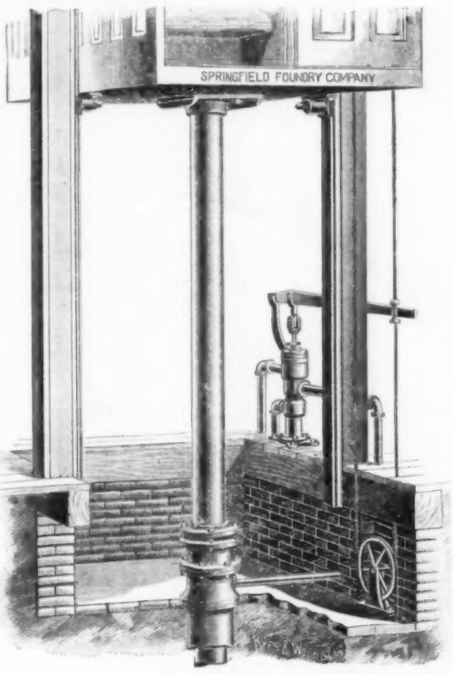
Because of its great power and efficiency for the quantity of water used, we have named our pattern of plunger elevator "The Titan," and we do not hesitate to claim its superiority as regards quality of workmanship and material, and more especially on account of valuable improvements in both elevator and hydraulic valve designed and introduced by our superintendent, one of the pioneer builders of hydraulic plunger elevators.

The Titan Elevator is equally serviceable for both passenger and freight purposes. The car or platform is carried upon the top of a strong wrought-iron plunger or piston, to which it is securely attached by means of bolts and a cast-iron platen with threaded socket beneath.

This plunger is carefully turned to a uniform diameter and smoothly polished; it travels perpendicularly in a cylinder of equal length, sunk in the ground beneath the elevator shaft, to a depth corresponding to the height of the lift. Specially selected and tested wrought-iron pipe is used for both plunger and cylinder. The latter is provided with a packing at the top which prevents any leakage of water. We make the outside of the plunger 1½ inches smaller than the inside diameter of the cylinder, thus leaving a space between of ¾ inch.

Into this space near the top of the cylinder is admitted the water, under pressure, through a perfectly balanced valve which is operated from the car by means of a wire hand-rope or rod. The plunger and car are immediately forced upward by pressure of the water which continues to enter the cylinder until the valve is closed, when the car comes to a stop. It is then supported by the column of water confined in the cylinder. Upon reversing the valve the water is gradually discharged and the car and plunger slowly descend by the force of gravity. It is seen that herein lies the absolute safety of this style of elevator, because it is impossible for the car to descend any faster than the water is displaced by the plunger and discharged from the cylinder through the single small orifice which admitted it.

In locations where the pressure of the city water is too low or the rates too high, it is often found advisable to pump the discharged water either into a gravity tank at the top of the building or a direct-pressure tank in the basement, whence it is again supplied to the cylinder. We consider the latter method much the preferable as it dispenses with a long, double line of piping and danger of leakage and freezing. We often find it practicable to save the waste-water from elevators for other purposes by forcing it into tanks by means of a pump or discharging it directly into a tank if the latter is not too much above the cylinder. An Indicator may be attached to the elevator platform which will register the number of gallons used.



Our valve is of peculiar and ingenious construction which prevents pounding of the water and sudden jerking of the car; it is closed automatically as the car reaches the upper or lower landing. Its packing, as well as that of the elevator cylinder, can be easily replaced when worn out.

Our cars are framed of hard wood, braced with iron and finished to suit the purchaser, plainly or in elegant style, with panelled cherry, oak or mahogany, plush or leather upholstery, bevelled plate mirrors, stained-glass, brass or wrought-iron screens, annunciator, gas-fixture or electrolier. For hotels a lower deck is added for baggage.

The Titan Elevator is noiseless; it requires no room outside the shaft, and all water is confined below the surface of the ground where it can do no damage; neither can it freeze. It is, therefore, peculiarly adapted to residences, hotels, dry-good stores, club and lodge rooms.

For freight purposes, also, this form of elevator is most desirable, and is furnished in all sizes from the smallest with a capacity of 500 pounds, to those designed for large warehouses and factories, with platforms capable of raising loaded wagons with horses attached. In many cases it is replacing the primitive, slow and hard working hand-hoist in hardware, furniture and grocery stores, wagon and machine shops. We are using one ourselves for adjusting quickly and easily heavy castings under a suspension drill, and it works admirably, as does another for raising pig-iron and fuel to the cupola platform in our foundry. We should be glad to show these elevators to any one interested.

The Titan Hydraulic Elevator requires scarcely any care beyond an occasional lubricating of the plunger. We supply for this purpose the "Titan Lubricant," a compound which has proved itself exactly adapted therefor.

We shall be pleased to furnish promptly circulars, estimates, and information as to exact amount of water required for a given service. We have complete facilities for building elevators on short notice, and an improved and expeditious method of erecting them. For prices please send us, as nearly complete as possible, the following data:

1. Plan or sketch, showing hatchways (size) and surroundings, walls enclosing shaft and material of same; location of water-main and sewer or tanks, with approximate distances, and sides on which car will be entered.

2. Elevation, showing roof and each floor, location of water-main and sewer or tanks, with distances between same, height of each story and travel of car.

3. Description of car: if for passengers, stating whether single or double decked, finished outside or in front only, and giving particulars as to style of finish, and the kind of wood, glass, metal-work, seat, upholstery,

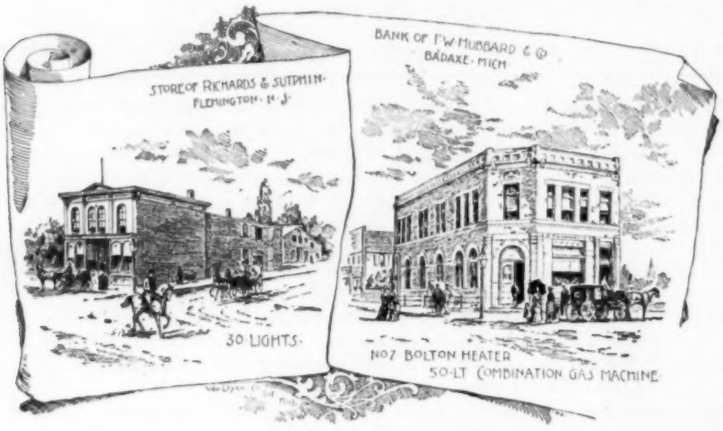
annunciator, and gas or electric-light fixture desired.

4. The required lifting capacity and speed of car per minute; the water-pressure at the location of elevator cylinder, and the length and diameter of the supply-pipes running to same from main or tank. If the elevator is to be operated from a pressure-tank, state whether we are to furnish pump, etc.

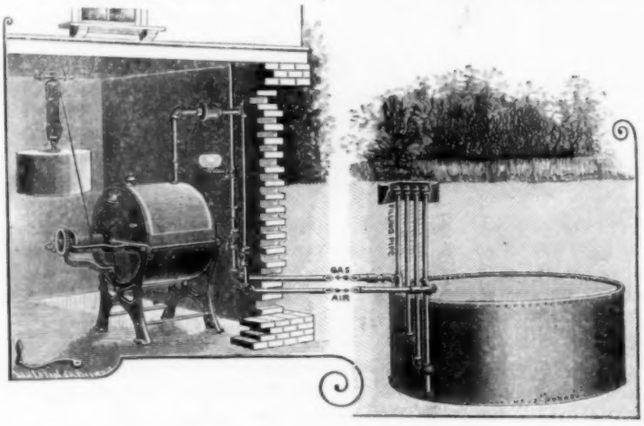
SPRINGFIELD FOUNDRY CO.,
95 to 111 Liberty Street, Springfield, Mass.,
70 Kilby Street, Boston, Mass.

THE COMBINATION GAS-MACHINE.

This is the oldest and best independent lighting apparatus on the market, and is adapted to country and surburban residences, churches, schools, stores, hotels, theatres and other buildings. It has been in use for over twenty years, in all parts of the United States and Canada, as well as in South America and the Sandwich Islands. It is perfected by every device suggested by long experience and its material and workmanship are the best that can be procured. This apparatus is absolutely safe, and during all the years it has been in use, it has never caused an accident. No fire or heat is used, and therefore no fuel is required. It is automatic and makes gas only as it is required and used. It is very simple and the entire apparatus demands less attention than a single oil-lamp. It is cheaper and better than electric-light or city gas according to the testimony of many customers who have used both. Its durability is a feature on which its manufacturers lay particular stress. They regard the average life of their apparatus as about fifteen years, while many machines have been in use over twenty years, and are still giving the best of service. The engravings printed herewith show the machine and several buildings in which it is in use, and are selected from the profusely illustrated little book entitled "*Light for Evening Hours*" just issued by the company, and which will be sent on application to their Detroit office, or at either of their branches in Chicago, Boston, or St. Louis.



Residence of Hon. James McMillan, Grosse Pointe, Mich.



DETROIT HEATING AND LIGHTING CO.,
380 Wight Street, Detroit, Mich.

OSWEGO INDURATED FIBRE BATH-TUBS.

The manufacturers have aimed to give to the public a bath-tub which will embody all the features that are desirable, *viz.:*

A handsome article of furniture, cleanliness, ease of care, durability, lightness, economy in use of hot-water, compliance with the latest sanitary regulations, and cheapness.

The material from which these tubs are made is a pure wood fibre. They are moulded in one piece under a heavy hydraulic pressure, and are without joint or seam.

As the rim of the tub is also part of this one piece, there is no crevice where impurities can possibly collect. The material is a non-conductor of heat and cold, thus retaining the heat in the water, greatly increasing the comfort of the bather, and adapting it especially for electric-baths.

The pores of the fibre are filled with a hardening or indurating material, and subjected to a high degree of heat, making it impervious to water and practically indestructible.

The outside of the tub is white, or, in baking, is given a mahogany, rosewood, or oak finish, unless it is specially ordered to correspond with the woodwork of the room in which it is to be placed. The rim will be finished like outside of tub, unless specially ordered in enamel.

The inner surface of the tub is lined with white enamel. The enamel may be tinted if preferred. This also is subjected to a high temperature, and thoroughly baked into the tub, making a hard, lasting, durable and impervious lining, capable of a high finish, which is easily cleaned without scouring, as it will not rust or absorb.

Throughout the process, nothing in the slightest degree injurious is used, and, with this treatment, the tub will be found to be a luxury, and its surface has a uniform temperature and is never cold.

Its lightness is desirable in relieving the weight on floors, in reducing cost of transportation, and increasing the ease with which it may be moved, avoiding danger to walls and woodwork.

It is well adapted to the use of country-houses, with or without a regular bath-room, as its weight, which is but sixty pounds, makes it portable.

It is a better and cheaper tub than any other first-class tub when finished and set in position; no expense of casing, painting or finishing is required. When the tub is set up, it is complete with the exception of the plumbing. Fittings, including standards, waste and overflow, are specially designed for the tub, and are included in the price. Bath cocks can be attached by boring with a sharp bit, from the outside. When the point of the bit has gone through the white enamel inside, the bit should be reversed and the hole completed from the inside. Special fittings can be sent to our factory and fitted to the tub before it is finished, thus making a perfect connection without cost to the purchaser.

Owing to the fact that it stands open and raised from the floor, it is always easy of inspection, and allows no closed spaces for collection of dust or foreign matter. It thus meets the latest sanitary requirements, and is the most desirable tub for all public institutions.

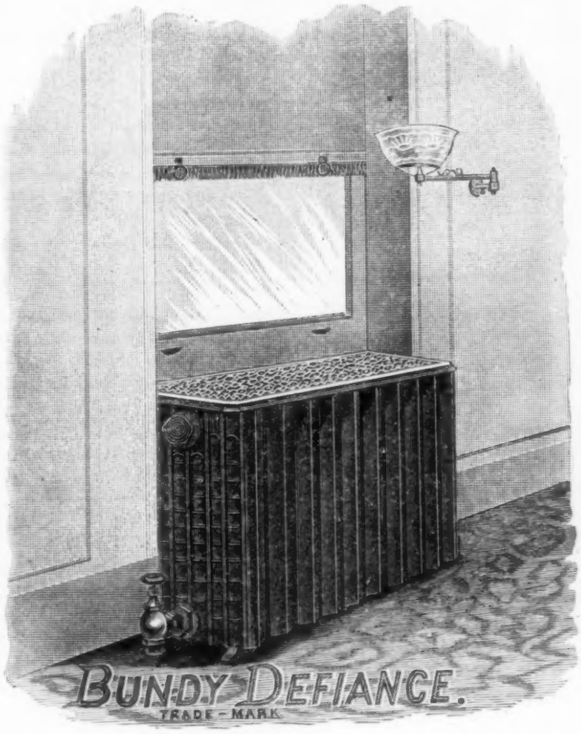
THE OSWEGO INDURATED FIBRE CO.,
OSWEGO, N. Y.

WHAT AN EXPERT ENGINEER SAYS.

A PROMINENT engineer called recently at the works of the A. A. Griffing Iron Co., Jersey City, N. J., and was much impressed with a new style of steam and hot-water radiator, which they had just brought out.

The accompanying cut shows the utility of the radiator.

The special features of the Bundy Defiance Radiator, for that is the name given it, are its adaptation for use under windows, in a recess or wherever a low radiator is required, and also its compactness. The maximum or surface can be placed in a limited space. In placing the *Bundy Defiance* under windows, the window-sill oftentimes serves as a top-finish for the radiator, then again, a marble slab resting on brackets over the radiator produces a handsome effect.



There are two sizes of Defiance sections, 8″ x 13″ and 11″ x 18″ respectively, the former figures representing the widths of the sections of radiators while the latter show the heights, but the height varies. It increases when the radiator is set on legs, and here a special feature is observed in the great variety of heights in which the legs are furnished. They can be had ½″, 1″, 1½″, 2″, 2½″, 3″, 3½,″ 4″, 4½″, 5″, and 5½″ high, so the radiators can be furnished in different heights, varying by half inches, from 13½″ to 23½″ high. When no height is specified in ordering, the 1″ height is always shipped.

The larger section has 7 square feet of heating-surface, the smaller one 4, and in either case each section increases the length of the radiator 4″. As all sections are exact duplicates, they are interchangeable and can be conveniently added to or subtracted from a radiator with very slight expense, and produce a radiator of precisely the size wanted.

Further information regarding the *Bundy Defiance* Radiator can be had from the manufacturers.

A. A. GRIFFING IRON CO.,
JERSEY CITY, N. J.

A NEW PLASTERING MATERIAL.

KING'S Windsor Cement for plastering walls and ceilings, which is claimed to be both fire and water proof, is the material now being used on the Madison Square Garden, New York City, and also in the United States Government Court-House and Post-Office Building, at Williamsport, Pa. Among the numerous jobs where it has been used, as we understand to the entire satisfaction of the owners, are the New York Central Railroad Depot at Niagara Falls, N. Y., Dr. Meredith's Church, Brooklyn, the Lincoln Club, Brooklyn, Mr. Wm. Knowlton's House at 87 Remsen Street, Brooklyn, addition to the Arlington Hotel at Washington, D. C., the Hier Flats at Syracuse, N. Y., Mr. Geo. Westinghouse's Villa at Lenox, Mass., and many other places throughout the country.

We believe it to be to the interest of all who contemplate building, to thoroughly investigate this material before giving out contracts.

Circular and sample of this cement will be sent free by

J. B. KING & CO., MFRS.,
24 STATE STREET, NEW YORK, N. Y.

THE Whittier Machine Company have recently put into the electrical plant of the Surburban Light & Power Company of Roxbury, two horizontal steel boilers, each six feet in diameter. The same Company have recently put into the residence of Mrs. John Carter Brown at Newport, R. I., a Plunger Elevator for passenger service.

THE GROWTH OF A GREAT BUSINESS.

IN the summer of 1868, a partnership was arranged between the late Linus Yale, Jr., then of Shelburne Falls, Mass., and Henry R. Towne, then of Philadelphia, Pa., for the development of a business to be based upon the inventions and patents of Mr. Yale relating both to bank and key locks. In October of that year, the two partners gave effect to their plans by the organization of the Yale Lock Manufacturing Company (of which they held all the stock), and by the purchase of land in Stamford on which to erect a building for the accommodation of the business, which had for several years previously been conducted on a small scale at Shelburne Falls. While Mr. Towne attended to the erection of the new buildings in Stamford, Mr. Yale continued to conduct the business at Shelburne Falls, until December 25th, 1868, when he died suddenly of heart disease, in the city of New York. Notwithstanding this severe blow, the new enterprise was carried forward by Mr. Towne and Mr. John B. Yale, son of the inventor. The new buildings were pushed to completion, and in March, 1869, the machinery and business were moved from Shelburne Falls to Stamford, starting in the latter place with about thirty employés.

In June, 1869, Mr. Towne was elected President of the corporation, to succeed Mr. Yale, and in the summer of 1870 the representatives of the Yale estate disposed of their interest in the business, the entire control and management of which then passed into the hands of Mr. Towne, who has continued in the Presidency down to the present time. In 1873, the late Franklin Underhill became Treasurer of the Company, which office he occupied until his death, seven years later. In 1877, Mr. Schuyler Merritt entered its service, becoming soon the Secretary, and later the General Manager. In 1881, Mr. George E. White was elected to the office of Treasurer, which he still holds. Among those longest connected with the Company are Mr. Emory Stockwell, Superintendent of the Bank Lock Department, and Mr. Warren H. Taylor, Superintendent of the Small Lock Department, both of whom, as well as a few others still in the business, came with it from Shelburne Falls.

Mr. Yale had been chiefly interested in inventing and manufacturing bank locks; Mr. Towne had been attracted to the business by the possibilities which he foresaw in the pin-lock with flat key, now generally known as the "Yale Lock." Since Mr. Yale's death both branches have been largely developed, but the business in key-locks on the Yale system, which obviously embraces a larger field than the bank lock business, has grown more largely, and has long constituted the most important feature of the business.

In 1875, Mr. Towne obtained exclusive rights under the patents of Mr. T. A. Weston, relating to differential pulley blocks, and simultaneously acquired, by purchase, the business of three manufacturers, each of whom had previously been making pulley blocks in competition, thus uniting all interests and obtaining control of the market during the lifetime of the Weston patents. All of these interests were duly transferred to the Company, which thereupon added to its manufacture the making of pulley blocks, and later, of cranes and other hoisting machinery. In 1877–78, Mr. Towne (then controlling all of the stock of the Company), also negotiated the acquisition of the business of two competing lock

manufacturers, viz: The United States Lock Company, of Plymouth, Mass., and the American Lock Company, of Cazenovia, N. Y., thereby greatly strengthening the position of the Company in its key lock business. At about the same time a partnership arrangement was entered into with Sargent & Greenleaf, of Rochester, N. Y., for the pooling of interests relating to time locks, whereby the parties to the agreement secured a controlling position in this field.

The original building (now known as the "Old Lock Shop"), was about 35 x 120 feet, with a one-story annex at the east end, 35 x 45 feet, was constituted the brass foundry and boiler-room. A small addition (the present shipping shed), was made about 1872 to accommodate post-office wood-work, and in 1873 a new foundry building was erected, which has since been utilized for the engine-room. In 1875–1876, the south wing of the present pulley-block shop was erected, additions thereto being made during the next two or three years until the whole of the present building was completed. In 1881, the growth of the business was such as to necessitate a large increase of capital, and a large extension of plant; a considerable portion of the new capital then issued was taken by employés and others, as was also the case with subsequent issues, so that the Company now has numerous stockholders. During the summer of 1881, the range of buildings fronting on Pacific street, and also the present foundry building, were erected, at which time also the present steam plant was installed. The west end of the post-office building had been erected a short time before and the eastern extension thereof was built during the summer of 1882. In 1883, the growth of the business compelled a further extension, and during the summer of that year the present crane-shop and smith-shop buildings were erected. At the present time plans are in preparation for a new building east of the present smith-shop to accommodate pulley-block and chain-making, the building now occupied for these purposes being required for use in connection with the Small Lock Department. Plans are also under consideration for a large extension of the foundry building. The number of employés has increased steadily from thirty in 1869, to over eight hundred at the present time, exclusive of those employed at the branch houses of the Company in New York, Chicago, Philadelphia and Boston.

YALE & TOWNE MANUFACTURING CO.
STAMFORD, CONN.

NEW OFFICE.

We have opened a fine office in Chicago at 96 Lake Street, from which office our entire western business will in future be handled. It is our intention to carry a large stock of Florida steam and hot-water heaters for hard and soft coal. Also a large stock of radiators, etc.

We have also largely increased our facilities at our factory, Geneva, N. Y., by erecting a mammoth machine shop and making additions to our present large foundry. Our force of men has been greatly increased and we have all the latest and best facilities and conveniences for turning out work promptly and in good shape, so that this year we are in better condition to meet the demands of our customers than ever before. The rapid increase of our business from year to year has been certainly marvellous and very gratifying to us. Up to the present time this year our sales have been about one-half larger than those of last year up to the same time. We have never experienced brighter prospects for business.

PIERCE, BUTLER & PIERCE MFG. CO.,
SYRACUSE, N. Y.

A WROUGHT-IRON GRILL.

This grill is one of two recently made by Messrs. J. B. Shannon & Sons, of Philadelphia, for the front doors of the Hon. W. H. Kemble's house in that city, from drawings

Wrought-Iron Grill made by J. B. Shannon & Sons.

by Mr. James H. Windrim, architect. The work is of wrought-iron, Bower-Barffed, and each grill measures 48 x 15 inches.

J. B. SHANNON & SONS,
1020 MARKET STREET, PHILADELPHIA, PA.

NOTES.

The Standard Paint Company of 59 Maiden Lane, New York, whose building paper prepared with the celebrated P. & B. compound has been favorably known in market for years, announce placing in the market two new grades of building paper; one whose trade-mark is the "Universal" is prepared with their P. & B. compound, is thoroughly waterproof, acid, alkali and gas proof and in all respects superior to the ordinary building papers in market. A special feature, and one which has induced the manufacturers to give it the name of the "Universal" in addition to its merit as a building paper, is that they have put it in market at a lower price than any building paper of any description, for which reason they feel certain that it is bound to become the universal building paper.

The other new brand is put into market under the trade-mark of the "Giant" building paper; this paper is *completely saturated* with waterproof, acid and alkali proof and insulating material, and the work is so thoroughly done that the paper can be cut in any way and torn into bits and no particle of it will absorb moisture. Every fibre is thoroughly impregnated and there has never been a similar paper manufactured before. The paper is more waterproof than leather and where the best article that it is possible to make is wanted, the "Giant" paper is sure to be used. The attention of architects and builders is especially called to these papers, and they are urged to send for samples.

STANDAND PAINT CO.
59 MAIDEN LANE, NEW YORK.

A party of interested gentlemen, comprising West End Street Railway officials, and others, met at the Central Power Station of the West End Road in Boston, a few weeks ago to witness practical tests on a large scale of the fireproofing qualities of "Anti-Pyre" the Boston fireproof paint.

Many of the spectators aided in the attempts to ignite the wooden building which was the subject of the experiment, but all efforts to destroy the structure, which was protected with two coats of Anti-Pyre, were fruitless, although shavings and other combustible materials were tried first on the interior, and were afterward applied to the exterior walls.

The result of the trials proved conclusively that the manufacturer of Anti-Pyre made no undue claims for his material, and it was the unanimous opinion of the gentlemen present that Anti-Pyre is the best and cheapest fireproofing yet placed on the market. Mr. John C. Page, the well-known insurance agent, was an especially delighted spectator. The West End Company, is now applying Anti-Pyre to their immense new car-house at Grove Hall.

The Moore & Wyman Elevator and Machine Works, Boston, have recently constructed and erected the following elevators: a special hydraulic hoisting apparatus for the Boston, Revere Beach & Lynn Railroad, to operate the drop at their new station, Atlantic Avenue; drop is 52 feet long, 12 feet wide and weighs 11 tons. A special belt-power machine for the West End Street Railway Company, to raise and lower electric cars at their Bartlett Street car shops. A special hydraulic freight elevator for the Suffolk Storage Company, building on Northampton Street, platform 21 feet x 12 feet, used to raise and lower loaded furniture wagons. Also the following hydraulic passenger elevators, American Express Company building, corner Franklin Street and Hawley Street; Warren Sherburne's new building, corner Merrimack and Friend Streets; and one belt passenger elevator for Hallett & Cumston's building, 198 Tremont Street. They also have the contract for two steam passenger elevators for the Sears Building, corner Court and Washington Streets.

The Springfield Foundry Company have lately contracted to erect their Atlas hydraulic screw elevators in the following buildings

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in Boston: Passenger elevator, for apartment house, corner Washington Street and West Chester Park, owner, Gabriel Boos, builder George Nowell; freight elevators, buildings 129 Pearl Street and 88 Bedford Street, Dr. D. W. Cheever, owner, G. Wilton Lewis, architect. The H. B. Smith Company of Westfield Mass., radiator manufacturers, have lately put in an Atlas elevator, and G. F. Heublein & Bro. of Hartford, will have one in their elegant hotel now building near the Capitol Park. The builders of these elevators have a hoisting engine of remarkable power, and superior mechanical design and have a valuable advantage in being able to guarantee a saving of 35 per cent in water bills over any other hydraulic-cable elevator. Their Boston office is in the Mason Building, 70 Kilby Street, the manager being E. M. Bixby, formerly with Moore & Wyman.

THE New York Insulated Wire Company, 649–651 Broadway, New York, sole manufacturers of the Grimshaw White Core wire, have orders on their books for wiring the new *World* Building and Imperial Hotel, New York, the residence of Ogden Goelet at Newport, R. I., and the new buildings which the N. Y. Life Insurance Company are now erecting in Kansas City, Minneapolis, St. Paul, Omaha and Montreal. The manufacturers claim for the Grimshaw White Core wire that the high quality and peculiar properties of its insulation make it preëminently a safe wire; very desirable for all electrical purposes, and especially for inside and concealed wiring. It has been upon the market for the past seven years and is approved by the board of fire underwriters and inspectors.

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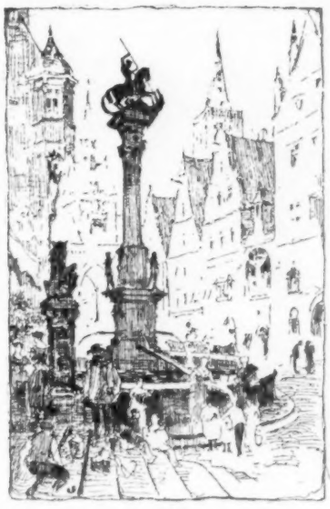

Key-sketch.
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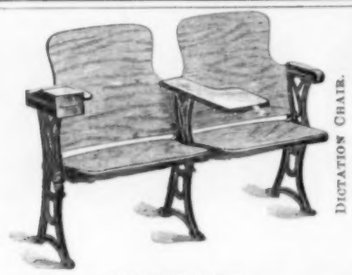

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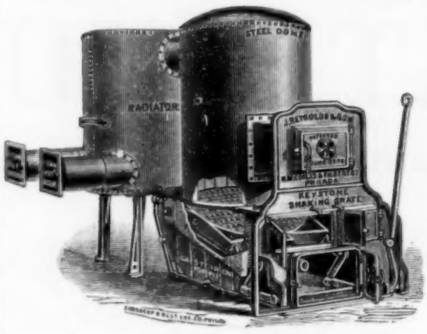

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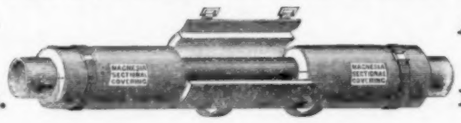

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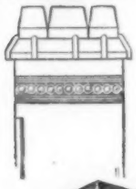

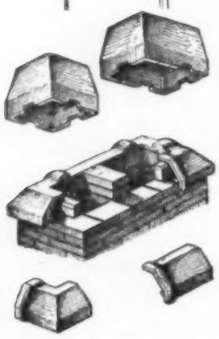

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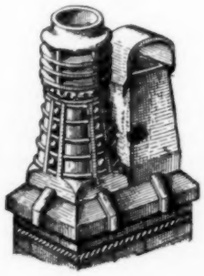

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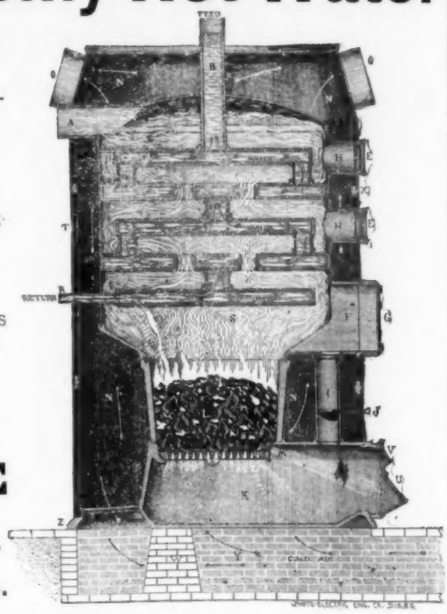

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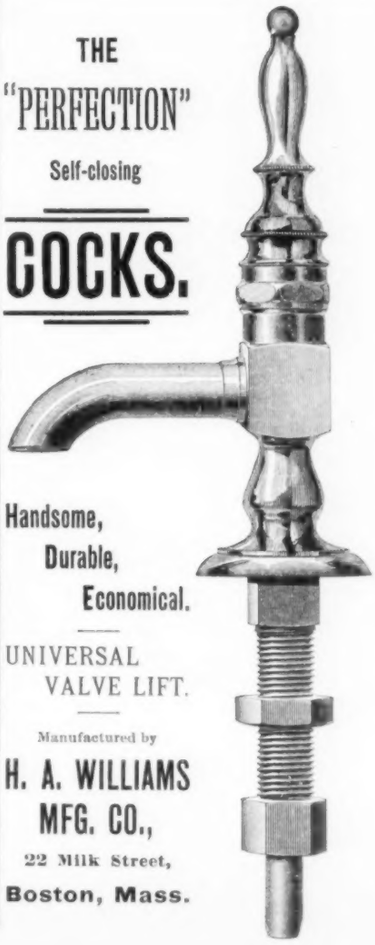

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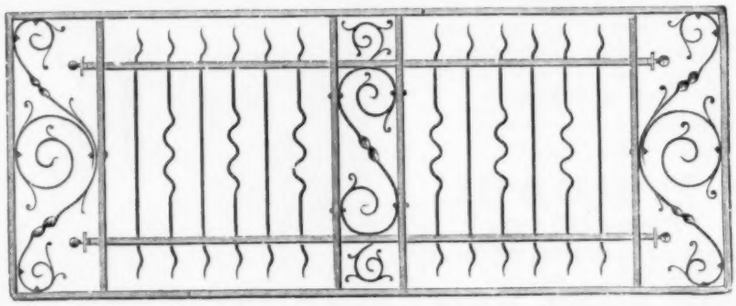

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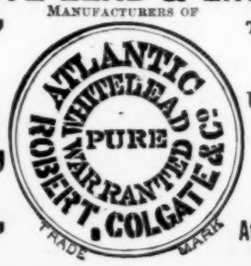

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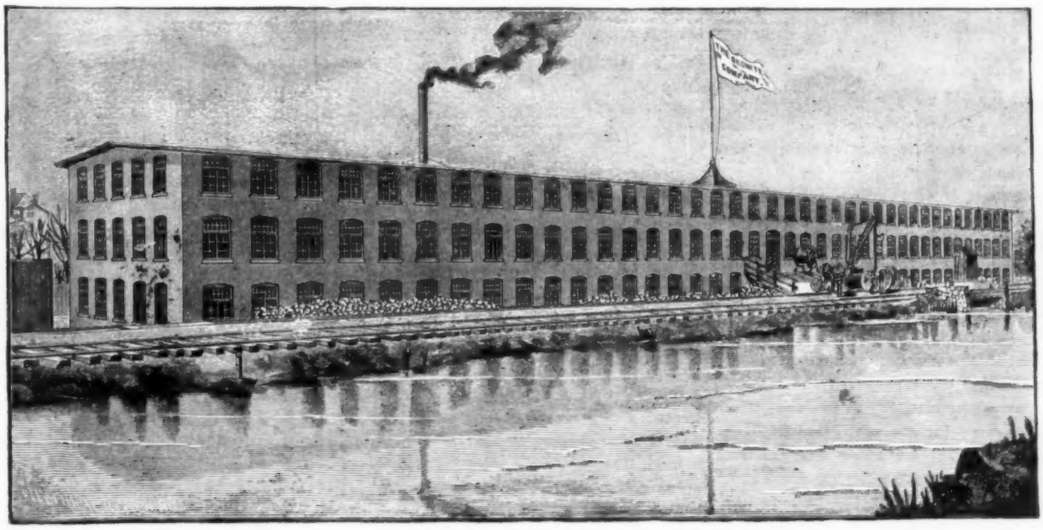
THE AMERICAN ARCHITECT AND BUILDING NEWS

ADVERTISERS' TRADE SUPPLEMENT.

No. 98. SATURDAY, AUGUST 2, 1890. VOLUME XXIX. No. 702.

OKONITE INSULATED WIRE.

THE question, "How can wires for electric lighting be made safe," is being asked daily, and concerns the architect, builder and house owner quite as much as many of the large electric-light companies who are having so much difficulty with their lines on account of their evident unsafe condition. There is, to be sure, less danger from electric wires used in lighting dwellings and buildings of various kinds, than from those used for power and out-door lighting, as in the first instance, the incandescent light is generally employed and the lighting done chiefly by continuous currents at 100 volts or other low potential, while in the latter case the length of the lines and the large duty required generally, makes necessary a current of a much higher voltage, which is relatively more dangerous. There appears to be no good reason why electric wiring for lighting dwellings and other structures cannot be made perfectly safe if the user will but pay for good workmanship in installation, and use a thoroughly reliable insulated wire. It is in most cases a matter of dollars and cents, though there is no doubt that many of the aggravating complications and dangers arising from electric lighting in dwellings are due to careless workmanship and installation, and it is of the utmost importance that the men at least who plan this work should be electricians. We cannot impress too strongly upon the reader the necessity of getting expert help in this direction. Of great importance, too, is the quality of insulated wire used, and it is particularly of this factor-of-safety in house wiring that we wish to speak just now. There are a number of good insulated wires upon the market which are worthy of our confidence and have been found to fill the bill for this class of work, and among them the well-known Okonite insulated wires stand in the front rank. It must be remembered that the higher the insulation or non-conducting properties of the insulating compound used on a wire the more durable it is and the more efficient the wire or conductor. The difference then between the many insulated wires offered the public and which determines their relative value for aerial, underground, submarine, as well as for inside or house wiring purposes, is the *insulation*. Here it is that Okonite shows to particular advantage. The insulating compound, known as Okonite, and all wires and cables insulated with it, are manufactured solely by the Okonite Company, who have large salesrooms located at 15 Park Row, New York City, and London, England, presided over by Charles A. Cheever, President. The other officers are Williard L. Candee, Treasurer; F. Cazenove Jones, Supt.; and H. Durant Cheever, Sec'y; all representative business men of New York. To Mr. Candee, who is ably assisted by Geo. T. Manson, is due in no small measure the position occupied by Okonite insulated wires to-day. The company have just erected a new factory at Passaic, N. J.; an immense brick structure three stories high, 80 x 400 feet, situated on the Dundee Canal. About 400 hands are here at work in conjunction with numberless large and heavy machines, in the manufacture of millions on millions of feet of this famous insulating compound. This factory has an output of 60 miles or 316,800 feet of wire per day, and yet the company is behind in its orders, which cover all fields of electrical service to which insulated wire is put. We cannot say just what Okonite is made of, except that it is a compound of the best grades of Para rubber and other ingredients,—a composition obtained only by a long series of costly experiments and tests. All through the manufacture of Okonite insulated wires and cables the greatest of care is taken. A great deal of the work is accomplished by specially designed machinery, and only skilled labor is employed in all the departments. All wire is also thoroughly tested before leaving the factory, and any defects carefully noted and remedied. The chief characteristics of Okonite are its exceeding toughness and tenacity—rendering it non-liable to destruction by reason of abrasion or rubbing—superiority of insulation, extreme durability and effectual resistance to the decomposing influence of the elements. Okonite wire is very popular and that this is no idle boast, we may state that we have frequently received orders for 1,000,000 feet of this wire at one time. It has proved especially well adapted for inside and concealed wiring as it is thoroughly water-proof and can be laid in plaster and cement, under floors, behind partitions, under tiling, and in fact in any position desirable in a building, and is warranted not to crack or deteriorate but last in good form for all time.



The Factory of the Okonite Company, Passaic, N. J.

It is soft and pliable and readily adjusted to corners and difficult situations. The Okonite Company claim that their wire is not affected by change in temperature or by lime or alkalies, and guarantee it to be *rat proof* and perfectly safe as regards the generation of conflagrations. Even if a flow of water should come in contact with it from a broken pipe, leaky roof or other cause, the insulation is so thoroughly water-proof, that it remains unimpaired. It is through defective insulation that many fires are started. Thus we see, that wires if insulated with Okonite can be made safe, and that by their use we may escape all those dangers and vexatious troubles which often attend electric lighting in our homes. It is also worthy of note that not only are the dangers increased from using a cheap or poorly insulated wire, but the light obtained is generally of a very poor and unsatisfactory quality.

In conclusion, would it not be well for the laity generally to give the question of insulated wire a little more attention, so that we may know whether a wire is being installed in which can be placed our confidence, or whether our homes are being made veritable spider's webs; a mass of poorly insulated wires, badly placed, ever ready to visit us, the unlucky flies, with their dangerous power.

THE OKONITE CO.
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This Company is the owner of Letters Patent of the United States, covering fundamentally and in detail:

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B. A special twin conductor employing a new principle effective of safety in electrical distribution.

C. Methods of distribution of interior circuits now universally accepted as the best practice in electric wiring for securing economy and uniformity of candle power.

D. Methods of treating porous or fibrous materials to render them water and fire proof and to give them high insulating properties.

E. Methods of securing freedom from moisture, gases and other deleterious elements in underground conduits.

Other patents, further protecting the Company's new methods are being acquired from time to time as improvements are developed.

In the work of developing the comparatively new but already extensive electrical industry, first importance has been given to economical considerations. The generating-machines have attained a degree of efficiency which places them in the very front rank of economical apparatus. The art of distribution has become so familiar as to be recognized as one of the exact sciences. The details of regulation, measurement and convenient location of wires, switches, lamps, etc., have all received extraordinary attention and attained a high degree of excellence. In consequence of the progress thus made the public is to-day enabled to secure electric light at approximately the price of gas. It can obtain electrical power at a cost which, in many cases, is less than that of steam or other motive power.

INSULATION.

Prior to the inauguration of what may be termed the new electric era, electricity was used almost solely for the purpose of transmitting intelligence; the telegraph, the telephone, the fire-alarm, the various signaling systems and kindred applications are examples of such use. In these industries the insulation of the wires has but one function, viz: That of maintaining an effective service. If the insulation fails, the service fails: no other untoward result follows for the reason that the currents employed are so weak as to be incapable of developing any considerable degree of heat. With the inauguration of the new era involving new applications, as for example, electric lighting, electric motive power, and kindred uses, employing electricity under high pressure and in vast quantity, there was imposed upon insulation an additional duty, viz: that of protecting life and property. If herein the insulation fails, not only does the service fail, but life and property are at once seriously jeopardized. That this risk is not an imaginary one is abundantly attested by the numerous recorded accidents which have occurred during the past two or three years. That the remedy for these occurrences is not to be found in an improvement in the quality of insulation is equally well attested by the fact that, in spite of all the manifold so-called "perfected insulations," accidents continue to occur. *As a matter-of-fact, the one branch of electrical science which has not advanced in line with the new demands is this safeguarding of property from contact with the always-possible abnormal heat development in the wires.* It has been assumed by some that inasmuch as electricity was inherently safer than other mediums of lighting, the element of danger was practically absent, and by others that the danger could be sufficiently avoided by improvement in the *quality* of the insulation, hence the evolution of a host of "improved insulations"; many of which doubtless possess great virtue, but unfortunately they all follow one principle, viz: *That of affixing the insulation to or drawing it upon the wire itself.* This is the fatal error. The logic of all the relating facts in the art is against such practice. Modern electrical service is nothing more nor less than a service for the distribution of *heat.* True, economical considerations demand, and physical laws permit, that the conductors conveying this heat shall be so arranged and so proportioned as to remain cool, and therefore safe, while doing the calculated duty demanded of them. But the proportions and conditions thus pre-arranged and determined to secure safety are peculiarly liable to accidental derangement, thereby imposing a duty for which they were not calculated; in this event the conditions of safety are gone, and heat is at once developed in such proportion and in such place as the extent and the nature of the derangement may determine. It is apparent, therefore, that any system of insulation which aims to secure absolute protection must take cognizance of, and provide against, the effect of this always possible development of heat. Experience has demonstrated that the practice of affixing the insulation to the wires does not do this. All insulations which can be so affixed are of necessity compounded of oils, gums, or other flexible and adhesive materials, all of which are readily affected by heat. Vain efforts have been made to find a new elementary material, or to compound known materials which shall have the multifold property of high insulation, great resistance to heat, extreme flexibility and proof against acids, gas, etc. The great value to the art of an insulation possessing these naturally diverse qualities has been of late years so keenly appreciated as to concentrate the inventive mind on the line of its pursuit to the exclusion of any consideration of other methods of protecting the wires. This is the only explanation of the failure of the inventors to evolve a natural and effective solution of the problem. Necessity has been well said to be "the mother of invention," and it was by virtue of the necessities of himself and the numerous friends who depended upon him for advice in such matters that Mr. Edward H. Johnson was led to suggest the total abandonment of the old practice, and the substitution therefor of an enclosing tube, separate from, but forming a channel for conducting wires, continuous throughout their every ramification, thus fully protecting every inch of wire and rendering it accessible for periodic inspection or renewal, and by the same means *absolutely confining within the safe limits of a non-inflammable channel* the possible heat development.

The practical efficiency of such a method scarcely needs to be supported by argument or demonstration. Its very simplicity appeals at once and alike to the intelligence of the expert and the layman.

The elimination of the element of *extreme* flexibility as an essential requisite of insulation simplifies the problem, and permits of the employment of a variety of materials not at all available in the practice of affixing the insulation to the wires. Thus the door is opened, and the inventor now comes forward to provide the requisite perfection of detail. In this respect the industry is extremely fortunate in the chance which has brought to its aid Mr. Edwin T. Greenfield, a man of wider experience in the old method, and therefore more keenly appreciative of its weakness, than any man in this or any other country. To the thoroughness with which Mr. Greenfield has done and is doing his work is due the already high perfection of the new method and the guaranty that it will at once afford superlatively the elements of safety, economy, durability and convenience.

In further pursuance of the conditions of safety, Mr. Johnson, the president of the Company, has incorporated with the new system a special conductor upon which he has been at work for some years, the function of which is to convert conditions favorable to a prolonged heat-presence into conditions of instantaneous action hereinbefore described as a factor-of-safety.

This conductor is so constructed as to convert all defects which may develop in the wires, such, for illustration, as a break, a leak, an imperfect union or other faults common to all systems of energy distribution, into that one defect or fault which is peculiar to electrical distribution and which is technically known as a "short circuit." This is a fault which develops instantaneously an abnormal concentration of energy, and in consequence effects the immediate destruction of the weakest link in the chain which supports the current. Much has been said and written of the device known as the "safety fuse," and rules and regulations enforcing its use are universal. It is introduced as a link in every electrical chain, and is designedly made the weakest link therein — hence a "short circuit" simply means the destruction or giving way of this link, thus insuring by the breaking of the chain the total and absolute cessation of the electric current previously supported thereby. This weak link is, of course, located within safe pockets where the somewhat violent results of its disruption are smothered or otherwise rendered abortive.

Contrary, however, to popular belief, this

device does not provide absolute protection. Its failure to do so arises from the fact that it is only affected by an *overloading* of the chain.

It is, of course, apparent that a partial break, an imperfect union or a leakage of the current may develop a sufficient degree of heat to effect the ignition of inflammable materials, and yet not sufficiently increase the current strength to overload and fuse the safety-link.

The object of the special conductor herein alluded to is to convert with absolute certainty *all defects*, whether a break, or leak or other fault, into a "short circuit" and the consequent overloading and fusing of the safety-link.

The effect of a "short circuit" is generally apparent at the point of its occurrence in the form of an instantaneous flash, hereinbefore alluded to as an effective of much damage because of its brief duration.

It is possible, however, to have present conditions of extreme inflammability, as for instance, gases, inflammable powder, as in a flour-mill, lace or other delicate fabrics, or even the insulation of the wires themselves.

It therefore becomes a matter of considerable importance to safely localize even this flash, and it is obvious that the inclosing tube does this to perfection, in that every inch of the wire is completely encased within the safe confines of its fireproof interior.

The Interior Conduit and Insulation Company now enters the field with this new method of insulation, and claims that it is able to effect, not partially and imperfectly, but completely and absolutely, that safety which is the one essential to the general adoption of electricity. That this claim is not unsupported is attested by the endorsement the system has already received from architects, electricians, fire underwriters, municipal and other authorities interested in the matter of safeguarding property, and the extraordinary rapidity with which it has been accepted by the public.

BUSINESS POLICY.

The entire system and details have been and are being protected by Letters Patent, which secure to the Company practical immunity from competition. It is not intended, however, to exploit the business in reliance upon patents, but to establish it upon a sound commercial basis, recognizing the force and value of competition precisely as if the patents did not exist. It is the intention of the Company to supply the trade at large upon equal terms and solely upon a manufacturing basis, not handicapping the business with royalty charges or excessive profits. The demand is large, and it is intended to supply it at a price which, while netting the stockholders fair profits, will insure satisfaction to its customers and minimize the incentive to infringe the Company's patents.

President, Edward H. Johnson; Vice-President, Sigmund Bergmann; Secretary and Treasurer, W. A. Willard; Comptroller, John H. McClement; Electrician, Edwin T. Greenfield; General Counsel, Eaton & Lewis.

INTERIOR CONDUIT AND INSULATION CO.
Offices, 16 and 18 Broad Street, New York.

TARIFF LEGISLATION.

THE McKinley Customs Administrative Bill goes into effect on August 1st, and by restoring the duties upon packages, transportation charges, etc., will increase the cost of all Portland Cements by about 15 cts. (Fifteen cents) per barrel.

It is to be hoped that a Tariff Bill will be passed shortly, levying a specific duty about equivalent to that now being paid. In the meantime, all contracts, prices and quotations made, are subject to any advance in duty, whether caused by direct or indirect legislation.

ERSKINE W. FISHER,
WELLES BUILDING, 18 BROADWAY, NEW YORK.
July 11th, 1890.

PROMINENT FIRE INSURANCE MEN'S OPINION OF ADAMANT WALL PLASTER.

BOSTON MANUFACTURERS MUTUAL FIRE INSURANCE COMPANY, BOSTON, July 8, 1890.

MESSRS. BURLINGTON WOOLLEN CO.

Dear Sirs, — From what we already know of the material known as Adamant Plaster, which is offered you by the New England Adamant Company, we should not hesitate to recommend you to use it wherever it can be put on ceilings, on wire lath, or made use of in any other way to retard the effect of, or the spread of fire.

We have as yet no positive experience under our own observation or in our own risks of its service, but it possesses the merits which are required in dangerous places. It is strong; it is non-heat-conducting; it can be readily applied without any serious stoppage to machinery; it sets very quickly, and so far as we yet know, it is not readily broken or shaken off by the vibration of machinery. I am now making a thorough investigation of the subject, with a view to offering the makers the opportunity to send their circular under our wrapper to our members, so that they may all be informed upon the subject.

While we are dealing with this matter, I venture to call your attention to the glazing of windows with what is known as Rolled Cathedral Glass, sold in New York by Holbrook Brothers, Beekman Street, corner of Cliff Street. This glass is translucent but not transparent, rolled on one side, slightly roughened on the other. When used of an average thickness of three-sixteenths of an inch, it serves to keep out heat, to keep in warmth, and it diffuses the light without glare or shadow, while at the same time preventing in very slight measure the transmission of light. In weaving and in other places of the same kind it is extremely useful. Its advantage to the underwriter will be that no curtains will be required at the windows which are glazed with this glass. Samples at our office.

Yours very truly
EDW. ATKINSON, *President.*

FALL RIVER MANUFACTURERS MUTUAL INSURANCE COMPANY, FALL RIVER, MASS., July 3, 1890.

NEW ENGLAND ADAMANT CO.

Dear Sirs. — The experience of the Manufacturers Mutual Insurance Company's has demonstrated the importance of having no wooden ceilings or partitions exposed in departments most subject to fires, such as picker-rooms, and dust-rooms of cotton-mills and kindred departments in other classes of manufacturing establishments.

Your Adamant Wall Plaster laid on wire-lathing has recently been applied in a considerable number of picker-rooms and dust-rooms, as well as stairway enclosures with great facility and excellent results.

It hardens within a few hours, so that if applied in the afternoon or first half of the night, the usual operations of the department can be pursued on the following morning with no injury to the plastering or hinderance to the work. It is much more tough and durable under blows or battering than ordinary lime mortar. We most heartily commend it for such purposes. Yours truly,

THOS. J. BORDEN, *President.*

FALL RIVER IRON WORKS COMPANY, FALL RIVER, MASS., June 21, 1890.

N. E. ADAMANT CO., Boston, Mass.

Gentlemen. — We used your Adamant Wall Plaster, on wire-lathing, in our mills on the ceiling of our picker and dust rooms, also on stairway partitions for the following reasons, viz:

1. The insurance underwriters strongly advised it.

2. As our mill was running, it would have been impossible to use anything else without shutting down, causing a large loss in waste of time.

The Adamant put on at night was as hard as a rock in the morning. Heavy looms are running at a high rate of speed on the floor above the picker-room and the jar of same has not injured the plastering in the least. We are perfectly satisfied with the Adamant, as it has thoroughly answered the purpose for which it was used.

EDWARD L. GRIFFIN, *Treasurer.*

GUARANTEED ROOFING PLATES.

WE have three brands of tin plates for roofing purposes, for the integrity and good quality of each sheet of which our reputation and financial responsibility stand pledged. These three plates are alike, save in the one particular of the coating with which they are covered. The base plates are the same, being of steel of good quality, pliable, tough, correct in size, and trimmed to square corners. In the cleaning of the plates preparatory to the tinning they are subjected to the same processes and the same treatment. In all particulars up to this point the three articles are identical, and any given plate might be coated and finished to be either one or the other of the qualities at the discretion of the manufacturer.

COATING.

When it comes to the coating, these several plates differ from each other in the amount of metal applied, that is, in the thickness of coating and also in their treatment at the time and during the progress of the coating. Our first quality and highest price plate (Gilbertson's Old Method) is hand-dipped, or, in other words, it is an old method plate being coated in exactly the same manner as plates were coated many years since, before the introduction of labor-saving and material-saving machinery, which has tended to reduce the quality of plates. Each sheet of this brand carries all the metal it will take in the coating process. It is just as heavily coated as it can be.

Our second plate (Merchant's Roofing), being just the same in all other particulars, carries a little less coating, as will be more fully explained somewhat farther on. It has ample coating, however, to make it a most

excellent article, and one quite satisfactory for use in all cases, except where absolutely the best that can be made is wanted.

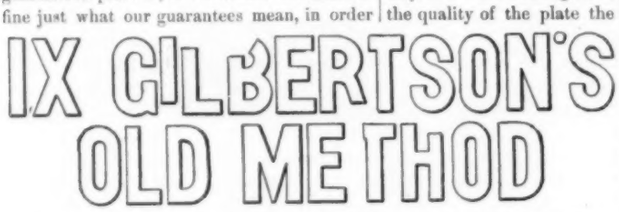
Our third plate, the cheapest of the three (Camaret), differs from the one last described in that the coating is not so heavy. There is, however, a good coating on the "Camaret," which feature makes the plate a great favorite for ordinary uses. It is an honest, straightforward article of its class.

Note the difference then between our three guaranteed plates. The steel plate or foundation is just the same in all, but the amount of coating applied differs in each case. The three plates differ in weight, as will be more fully explained below, and this difference is due solely to the difference in coating. Again, the three plates differ in price, and the difference here again is due to the variation in coating. Thus, from our assortment the consumer can obtain any quality he desires and further, he is always assured that he will be required to pay no more than actual value.

Fac-simile of the Stamping on each Sheet of "Gilbertson's Old Method," IC Thickness.

GUARANTEED PLATES.

We have made use of the term guaranteed plates, above, and while we suppose every reader understands, in a general way, what a guaranteed plate is, nevertheless we shall define just what our guarantees mean, in order that there may be no misapprehension possible. In the first place we tell just what our plates are in point of material employed in their manufacture, in respect to their working qualities, and in all other essential particulars, and then in selling we warrant or guarantee them to be exactly as represented. If a customer finds that by some accident some of the plates of these brands which we have supplied him are different from our representations, he has only to inform us of the fact in order to secure good plates in their place. Every possible care is taken in the manufacture of the plates, and also in the assorting and packing of them, and accordingly it is only where some gross carelessness upon the part of a workmen has occurred that it becomes necessary for the customer to avail himself of our contract to make all deficiencies good. It is seldom indeed, that we are called upon to exchange plates.



Fac-simile of the Stamping on each Sheet of "Gilbertson's Old Method," IX Thickness.

Fac-simile of the Stamping of the Sheets of "Merchant's Roofing."

In order to protect ourselves, to protect the house-owner, to enable the architect to know just what plates are being used upon the buildings in his charge, and to show buyers in general just what they are being furnished, we have inaugurated certain measures which serve to distinguish our plates from all others. These include stamping each sheet with the brand and thickness, excluding all waster or defective sheets, and branding the actual weight of the contents of each box in plain figures, so that every one may know what is being supplied. In every way possible we seek to divest the tin-plate trade of all mystery, and to transact business in a way to enable all to perceive its fairness.

ABSOLUTELY NO WASTERS.

When we assert that all waster sheets are excluded from the boxes of our guaranteed plates, and further that there are no wasters of either of these brands to be obtained anywhere, we give utterance to a fact the real import of which comparatively few fully comprehend. Accordingly, we may be excused for a somewhat detailed explanation. In the manufacture of tin plate more or less defective sheets occur, and these are technically known as "wasters." The defect may be in the sheet itself, as for example an irregular edge, a fracture in rolling, a clipped corner, a hole, a piece of cinder rolled in, or a blister, or it may be in the coating, or both. The higher the quality of the plate the more rigidly are the defective sheets culled out in the assorting. The usual rule is to pack these defective sheets in boxes by themselves, and, while branding them according to their quality and kind, to affix the designating mark "W" or "Waster," showing the exact nature of the plates in the box. So far, so good, and to the uninitiated it would seem that this is an honest straightforward way of doing things. No doubt it was so intended by the makers of plates who first introduced it, but unfortunately it affords dishonest people an excellent opportunity to cheat. Waster plates, of course, sell at a lower price than prime or perfect plates. Now if waster plates can be bought by the roofer and used as primes, it is evident that he can make a dishonest profit, and we are sorry to say that there are many who are ready to do this thing. So general has it become, in fact, that the demand for wasters is something phenomenal. Therefore, since wasters could be used to the prejudice of the primes of the same brand, it became necessary in order to protect the integrity of our guaranteed plates to have no wasters at all. Accordingly the defective sheets that are discovered in the assorting are stripped of their coating and are devoted to another use; they do not appear in our trade at all. Our stamps and brands are applied to perfect sheets only, a most important fact for the architect, engineer, property-owner and roofer to know.

GILBERTSON'S OLD METHOD.

Our first-class plate, the heaviest coated that can be made, and the one of the three guaranteed brands described herein, costing the most money, is known as "Gilbertson's Old Method." As already mentioned, it is an old method plate, being hand-dipped and carrying all the metal possible in the coating. Each sheet is stamped, there being used for the purpose a die, the fac-simile of which is shown on this page. Two thicknesses are made for ordinary use — namely, IC and IX. The average weight of the IC plates is 240 pounds per box of 20 x 28, and of the IX, 296 pounds per box of 20 x 28. The 14 x 20 plates weight one-half as much, there being the same number of sheets per box — namely, 112. We also have IXX plates for special use, the 20 x 28 weighing 338 pounds. Each box, whatever the gauge, is branded with the actual net weight of the sheets contained therein. "Gilbertson's Old Method" averages some 16 pounds more of coating to the box than Merchant's Roofing, and 20 pounds more than Camaret, described below.

MERCHANT'S ROOFING.

Our guaranteed plate, second in amount of coating and price, is known as Merchant's Roofing. It has all the good qualities of the plate just described, except thickness of coating. The average weight of the boxes of the two thicknesses or gauges, in most common use, is as follows: IC, 20 x 28, 224 pounds; IX, 20 x 28, 280 pounds. We also have IXX, weighing for the 20 x 28, 322 pounds. The 14 x 20 size weighs half these amounts, and all the boxes are branded with the actual net weights of the sheets contained. Each sheet is stamped, a fac-simile of the stamping being shown on pages 4 and 5. The coating averages some 16 pounds per box less than that of "Gilbertson's Old Method."

CAMARET.

Our third plate, as already mentioned, carries a coating fair in thickness for plates of its kind, but averaging some 20 pounds per box less than our first-quality plates. Each sheet is stamped, the shape and character of the marking being shown on the following page. The average weight of the boxes, 20 x 28 plates is, for IC, 220 pounds, and for IX, 276 pounds, while the IXX weighs 318 pounds per box. The small size, or 14 x 20, weighs just half as much.

SPECIFICATIONS.

With what we present on these pages the architect is undoubtedly quite able to draw up specifications in a way to secure a good tin roof, but to further assist him we have prepared some "Formulæ" which have been considered both interesting and valuable by those who have examined them, copies of which we shall be glad to send you upon application. They are in form to be detached and readily combined with regular specifications. Here is what we say about them in a letter we sometimes send out:

In bringing out our Roofing Plates, stamped with the brand and thickness, and doing away with the waster sheets of same, it was the object of this house to put upon the market, not only an article which the architect could specify with security, but also one that would enable the property owner to receive what he was willing to pay for. There is to-day a difference of almost 100 per cent in price between the poorest and the best roofing-plate in the market. Nearly every brand is imported of two different qualities; that is,

good plates, or primes, and bad, or wasters. It is absolutely necessary in these days of competition that specifications should be so drawn as to hold each roofer up to his contract. Even the soldering of a roof is such an important matter that the roofer who uses soldering irons weighing less than eight pounds to the pair cannot possibly apply the amount of solder to the square that should be used; consequently, heavy soldering irons should be used so as to allow the solder to soak well into the seams where a first-class job is wanted. The very best material if not properly put on would make the roof a failure. Our object is to assist the architects all in our power, and with this idea in view we have drawn up specifications for both a Flat and Standing Seam roof, of the two sizes of plates, which we think will be an aid to every architect who desires to use tin for roofing.

The specifications that we have drawn up are simply intended as a reference for the architects, and while we have inserted our brand of "Merchant's Roofing" in same, yet any brand which the architect may choose to use can of course be written therein. This formula has not been written by us with any intention of dictating to the architect, but rather to assist him in specifying for a roof that will last, as it should, for years, while the majority of tin roofs put on to-day will not last five years before repairs commence; and the more opposition to the use of our brands, the greater the necessity for investigating the merits of the same, for in many cases where our guaranteed plates are specified the roofer endeavors to use something inferior. It is hardly necessary for us to say that such action, while of interest to the roofer personally, will naturally result to the detriment of the property owner, and also to the specification of the architect.

MERCHANT'S IX ROOFING

Fac-simile of the Stamping of the Sheets of "Merchant's Roofing."

SOME ROOFING FIGURES.

We want to lay before architects and builders some figures relating to tin roofs; not in the sense of revealing the secrets of the roofer's business, nor in the least antagonizing him, but simply for the purpose of enabling the architect and contractor to talk intelligently when relative prices are being discussed. Let us preface our statements by the assertion that it costs no more to lay a roof of first-class tin, than of cheap tin, in the items of labor, solder, nails, cleats, charcoal, rosin, shop-rent and the various other sundries entering into the work. In fact, the chances of the lowest cost are in favor of the best articles of plate, for its working qualities are fully assured, while with cheap plates there is a risk of extra work necessary in repairing fractures, etc. However, for the sake of argument, let it be assumed that the expense of laying, including all things except the tin plate itself, is the same regardless of the brand or grade of tin employed. This will be very generally accepted as a fair proposition. Then it follows that the differences between using one tin plate and some other tin plate is simply the difference in the cost of the plates. Let us reduce the cost of tin plates to the cost of a square of roofing (100 square feet), which is the usual unit employed in roofing work. When tin plate costs $15 per box of 20 x 28, the tin in a flat-seam roof costs $3.75 per square. This is upon the assumption that the sheets are edged, 19 x 27 thus exposing 513 square inches per sheet. At the same price per box, the tin in a standing-seam roof, the sheets being edged 17¾ x 27, and exposing on the roof when laid 479¼ inches, cost $4.02 per square. It is true that roofers do not all work to these exact dimensions; some use a little more in the seams, resulting in a slightly higher figure, and some use a little less in the seams resulting in a cost slightly less than above named. The variation, whichever way it may be, is, in any event, only a few cents per square and what we have named is certainly a fair average and a reasonable basis for what follows. With tin plate at $15.25 per box, the cost of the tin in a square of roofing on the above basis is, for flat seam $3.82, and for standing seam $4.09. At $15.50 the figures are $3.88 and $4.16 respectively; at $15.75 they become $3.94 and $4.23; at $16 they are $4.01 and $4.29 respectively. We might extend the list indefinitely, but we have shown enough to demonstrate that at 25 cents per box advance in price, something that is often made to appear very big, amounts in even figures to only 6 or 7 cents per square of roof, or to reduce it to the foot unit, sometimes employed in roofing work, it amounts to only six or seven-tenths of a mill per square foot of roof surface.

We have prepared the accompanying table for your use. It shows the extra cost per square for tin alone for different advances in price per box of tin plates of the two regular sizes, and for the two kinds of tin roofs. In using this table observe that in 14 x 20 plates there is just one-half as much surface, flat, as in 20 x 28, and that the plates per box cost only half as much. Accordingly an advance of 25 cents per box on 14 x 20 is equivalent to 50 cents per box on 20 x 28. In some portions of the country the unit is the small box. In others it is the large or double box. Hence the necessity of the double table and this explanation. It is cheaper for the roofer and better for the house-owner, we think, to use the large plates. However, there is a strong prejudice in different sections of the country in favor of the use of small plates.

In this table we have given the costs varying by 12½ cents up to $2 per box. Figures for other and larger variations are easily obtained by combinations, multiplications, etc. For example, $2.50 per box is the same as twice $1.25; and $3 is the same as one-and-a-half times $2, or three times $1, and so on.

TRICKS OF THE TRADE.

We feel obliged to caution architects, builders and house-owners against some of the tricks and dishonest practices that are at present current in the tin-plate trade. We have already referred to "Waster" sheets. It is a fact that certain brands of so-called guaranteed plates are at present indiscriminately applied to primes and wasters alike. The sheets are all stamped, and there is no designating mark or symbol. After the roof is laid and painted, the stamping of the sheets appears for the inspection of the architect, but the blisters and spots with defective coating are all covered up.

IC CAMARET

Fac-simile of the Stamping of the Sheets of "Camaret" Roofing Plate.

Again, certain brands which the public have been persuaded to believe stand for good plates with fair coating, and which formerly had reputation, are at present applied to almost any grade of plate for which the roofer may call. He buys the cheapest and poorest plate he dares to undertake to use under the circumstances, and then pays a trifle for having the sheets stamped with a counterfeit badge of respectability. The fact that a plate is stamped is in itself no guaranty of quality. Unless there is a specific pledge from the house using the stamp and selling the plate, that waster sheets are rigidly excluded and that the stamp is in no case applied to any other quality of plate than that to which it rightfully belongs as set forth in their representations, it may be safely assumed that there is a trick somewhere. Never buy a roofing-plate of any grade whatever without a specific statement of its exact quality, and a guaranty that if, upon examination, it falls in the least below that quality, it will be replaced. Guaranties apply alike to plates of good, medium and best qualities.

IX CAMARET

Fac-simile of the Stamping of the Sheets of "Camaret" Roofing.

Look to the weight of your plates. There are light plates in the market, light in the iron or steel and also in the coating. We have given above the average weight per box of our three leading plates, and further have stated that the actual weight of the contents of each box is branded thereon. Accept no plates that weigh less, but be careful also in high-priced plates that the weight is not altogether in the iron or steel, and not in the coating. Coating determines the quality and establishes the value.

ACTUAL VALUES.

The one thought that we want to leave with you, in concluding our remarks on tin plates, is this, that there is no fictitious value about our goods. We sell with the market and ask only the fair value of each of the several grades. Whenever the statement is made that such and such a plate is just as good as one of ours, but costs less money, there is always one of two things true—either that the first part or the last part of the statement is false. The same quality cannot be afforded for less money, and since no man in business expects to part with his goods without a fair equivalent, it follows that it is the first part of the proposition that is wrong. Somebody is trying to persuade you to take much smaller value for a very little less money.

Advance in price of tin plates per box.	Extra cost of tin only.			
	20 x 28 plates.		14 x 20 plates.	
	Flat-seam roofing, per square.	Standing-seam roofing, per square.	Flat-seam roofing, per square.	Standing-seam roofing, per square.
$0.12½	$0.03¼	$0.03⅜	$0.06½	$0.07
.25	.06½	.06¾	.13	.14
.37½	.09¾	.10¼	.19½	.21
.50	.12½	.13½	.26	.28
.62½	.15⅝	.16⅞	.32½	.35
.75	.18¾	.20¼	.39	.42
.87½	.21⅞	.23⅝	.45½	.49
1.00	.25	.27	.52	.56
1.12½	.28⅛	.30⅜	.58½	.63
1.25	.31¼	.33¾	.65	.70
1.37½	.34⅜	.37⅛	.71½	.77
1.50	.37½	.40½	.78	.84
1.62½	.40⅝	.43⅞	.84½	.91
1.75	.43¾	.47¼	.91	.98
1.87½	.46⅞	.50⅝	.97½	1.05
2.00	.50	.54	1.04	1.12

Table Showing the Additional Cost per Square of Tin for Roofing, for Different Advances in Price of Tin per Box.

MERCHANT & CO.,
PHILADELPHIA, PA.

NOTES.

THE Pierce, Butler & Pierce Mfg. Co. of Syracuse, N. Y., have opened an office at New York City, 60 Barclay St., and at Boston, 237 Franklin St.; thus the Pierce, Butler & Pierce Mfg. Co. will be remembered by the trade as having offices in New York, Boston and Chicago, with main office at Syracuse, N. Y. This action on the part of the manufacturers of Florida Heaters is certainly suggestive of a healthy and increasing business, and the success which is attending their efforts must be very gratifying.

THE Whittier Machine Company have recently put into the Hotel Champlain, situated on Lake Champlain near Plattsburg, N. Y., an Elevator operated upon the Pressure Tank System for passenger service.

THE Narragansett Electric Light Co., of Providence, R. I., have contracted with the Babcock & Wilcox Co. for 1,120 horse-power additional boilers, and also for the reconstruction of their present Moore boilers into the Babcock & Wilcox system.

AMONG the recent sales of elevators by the Salem Foundry and Machine Shop of Salem, Mass., may be noted the following: Sewall

& Day Cordage Co., Boston, Mass.; Cornell Mills, Fall River, Mass.; Berkshire Cotton Manufacturing Co., Adams, Mass.; Salem Evening News, Salem, Mass.; Saunders Cotton Mills, Saundersville, Mass.; Newichawanick Company, South Berwick, Me.; Overman Wheel Co., Chicopee Falls, Mass. They report business as being uncommonly good for this time of the year.

The Barnard Engineering Company, No. 15 Cortland Street, New York, have issued a pamphlet of eight pages containing a condensed description of their system for heating buildings by steam. The chief points of superiority claimed are that it saves fuel, secures perfect circulation, prevents noise and freezing. Leaky valves and joints are claimed to be made an impossibility by the introduction of the vacuum principle causing leakage, whenever it occurs, to flow into the pipes. These claims are supported by fourteen testimonials from well-known corporations and individuals. The book will be sent upon application.

Geneva, N. Y., July 3, 1890.

I have this day organized my business into a stock company, incorporated under the name and style New York Central Iron Works Co.

I have retained an interest in the business, and at a meeting of the Board of Directors was elected President.

The company has increased facilities for turning out work promptly, and my old customers who have patronized me so liberally for the past forty years can rest assured that their interests will be promoted by the change. Hoping that the Dunning Steam and Hot-Water Boilers will increase in favor as they are more widely known, I remain

Very truly yours,

Wm. B. Dunning.

STEAM HEATING.

Barnard's Condensing System will Accomplish the following Desirable Features:

SAVES COAL, PERFECTS THE CIRCULATION, PREVENTS ALL NOISE, PREVENTS FREEZING; USES EXHAUST STEAM, IF ANY, WITHOUT BACK PRESSURE; WILL WORK AT ANY PRESSURE OF STEAM, HIGH OR LOW; HAS NO MACHINERY NEEDING CARE.

IS ADAPTED TO

Private Houses, Flats, Office-Buildings, Hotels, Factories, Etc.

SEND FOR CIRCULAR.

GEO. A. BARNARD,

15 Cortlandt St., NEW YORK.

The Economy Hot-Water

COMBINATION HEATER.

A Perfection for warming Residences, Churches, Schools, Banks, Stores, etc.

REQUIRES

Less Radiation than any all-hot-water heater manufactured.

PROVIDES

Perfect Ventilation by means of warm-air pipes from heater.

Write for Catalogue,

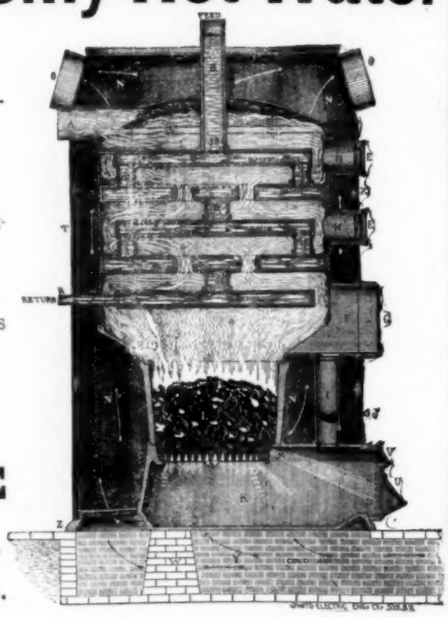
Large Illustrations, Descriptions, Prices, etc.

J. F. PEASE

FURNACE CO.,

SYRACUSE, N. Y.

New York, Boston, Chicago, Harrisburg, Toronto.

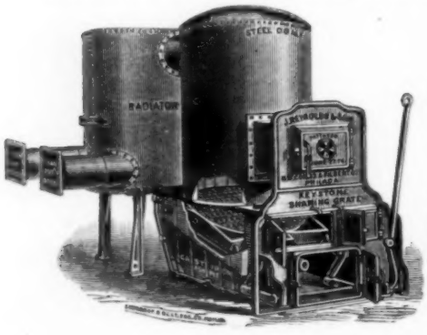


KEYSTONE AIR-TIGHT STEEL FURNACES, FURNACES,

MANUFACTURED BY

J. REYNOLDS & SON,

13th and Filbert Streets, PHILADELPHIA, PENNA.



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"REYNOLDS CLINKER CUTTING GRATE,"

with patent Dumping Attachment, the best labor and fuel Saving invention ever applied to Heating Apparatus. It is perfection. The Grate can be dropped and cleaned off with closed doors, thus preventing all dust. These Furnaces are perfectly Gas, Smoke and Dust Tight.

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We Manufacture Every Variety of

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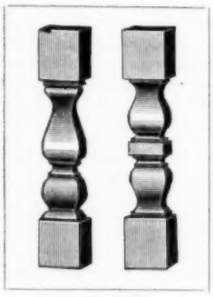

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SQUARE AND OCTAGONAL OUR SPECIALTY.

ARCHITECTS ESPECIALLY INVITED

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SOLE MANUFACTURERS,

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"PERFECTION"

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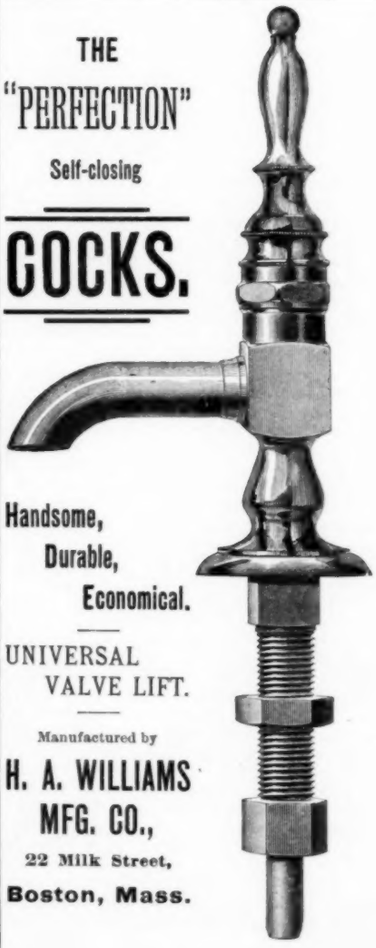
COCKS.



Handsome,

Durable,

Economical.

UNIVERSAL VALVE LIFT.

Manufactured by

H. A. WILLIAMS MFG. CO.,

22 Milk Street,

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PLASTER BOARDS

WITH TUBES

MANUFACTURED AND SHIPPED

To Any Part of this Country,

BY THE

Schillinger Fireproof, Cement & Asphalt Co.,

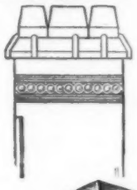
413 East 91st Street,

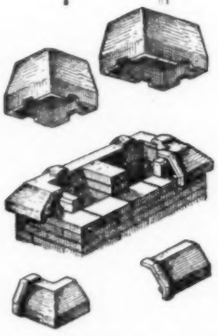
New York.

THE HANSEN

SALT-GLAZED TERRA-COTTA WEATHER-PROTECTING CHIMNEY TOPPING.

(Patented in the United States and Canada).





Indorsed by Architects throughout the country; are mainly designed to replace the common brick corbeled chimney top; for the **PROPER PROTECTION** of chimney masonry from the usual **EARLY DESTRUCTION** of same by the action of rain and frost. These toppings are manufactured by steam press and dies, same as first-class salt-glazed sewer pipe, for keeping in stock in same manner, and as made in pieces (see diagrams) present the **CHEAPEST, MOST PRACTICAL** ever **READY** and **LASTING** material for bricklayers' use in topping out chimneys. Deducting value of mason's material and time saved when using these toppings, their **COST PER FLUE** does not exceed **50 TO 60 CENTS** that of common brick tops, which secures absolutely **PERMANENT** chimney masonry, and saves annoyance and **REPAIR EXPENSES**, the usual and too frequent experience of owners. Jan. 1890

HARALD M. HANSEN,

—PATENTEE,—

88 La Salle Street, - - - CHICAGO, ILL.

These Chimney Toppings are manufactured and sold under License by

Messrs. CAMP & THOMPSON,
Cuyahoga Falls, Ohio,

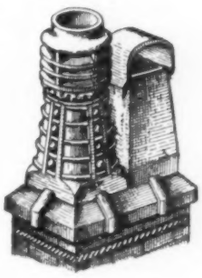
THE ANNESS & LYLE MFG. CO.,
Woodbridge, New Jersey.

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

Negotiations are pending for their early manufacture in *other States.*

Builders and Dealers in Sewer-pipe, or other Building Materials will be granted Exclusive City and County Selling Rights.

Write Manufacturers for sample and terms. Correspondence solicited.



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Fine Bronze Hardware, Bank, Office and Stoop Railings in Bronze or Brass. Antique Furniture-Trimmings. Electrical and Mechanical Bell-Hanging Burglar-Alarms.

Warerooms, 1180 BROADWAY. Factory, 157-163 WEST 29th STREET NEW YORK, N. Y.

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VICTOR STEAM AND HOT-WATER **HEATERS**

The Richmond Stove Company,

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Dewstoe & Schneider, Cleveland, Ohio.
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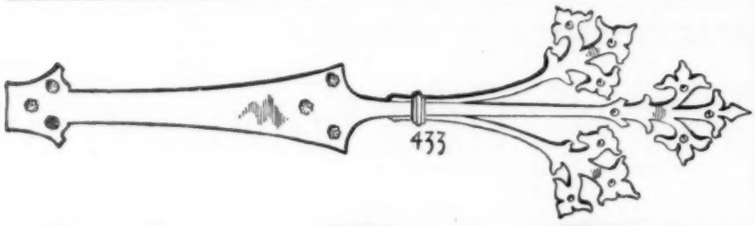

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IN WROUGHT IRON, BRASS OR BRONZE.

IN STOCK AND MADE TO ORDER.

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BURDITT & WILLIAMS,

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Dwelling-Houses, Churches, Stores and Public Buildings.

Every Excellence of Mechanism. Latest and most approved Styles and Finish.

Special New Designs of Knobs in Cut-Glass. Patterns made to order from Architect's Designs. Estimates made. Contracts filled in all Markets.

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Our Hardware may be found in important buildings in the leading cities of the Country.

AMES MFG. CO.,

Bronze Founders

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Bronze Statuary of all Sizes. Estimates Promptly Furnished.

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ATLANTIC WHITE-LEAD & LINSEED-OIL CO.,

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PURE

WHITE LEAD,

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Pure Linseed-Oil,

Raw Refined and Boiled.

Manufacturers of

ATLANTIC WHITE LEAD PURE WARRANTED ROBERT, COLGATE & Co. TRADE MARK

The best and most reliable **White-Lead made,**

And unequaled for

Uniform Whiteness, Fineness, and Body.

ADDRESS,

Atlantic W. Lead & Lin. Oil Co.

287 Pearl St., NEW YORK.

Something New for the Stable.

Read's Patent Harness Bracket.

An Article long wanted but never before made.

Holds the whole harness, takes no more room than the ordinary hook or peg, can be used for both single and double harness. Gives the harness-case a neat appearance, as it carries the harness up uniformly in width with the saddle, beside keeping the bridle and breastplate in their proper shape. They are neatly japanned, with gilt facings. Price **$18** per dozen. Are now in use in over 100 first-class private stables in and about Boston.

Each bracket lettered **"J. J. Read, Boston, Mass."** For sale by dealers everywhere.

Indorsed and approved by the following named gentlemen, all of whom have them in use:

Boston: R. H. White, J. Montgomery Sears, J. T. Morse, Jr., Thos. Motley. South Boston: Benjamin Dean. Cambridge: F. A. Kennedy, John Bartlett, Chas. H. Gass. 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: J. H. Ellison. Readville: C. G. White. Beverly: Dr. Chas. Haddock. Swampscott; C. P. Curtis. Boston, Mass.: Waldo Adams, with the Adams Express Co. Philadelphia, Pa.: Edward N. Williams, of the Baldwin Locomotive Works.

The public are cautioned against all similar brackets, not marked with my stamp, as such brackets are infringements of patents held by me.

Also cedar-top riding-saddle bracket. Price $3.50 each. And whip-rack for English coach and straight whip combined. Price 50 cents each.

JAMES J. READ, 13 Tremont Row, Room 10.

ESTERBROOK'S STEEL PENS

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THE ESTERBROOK STEEL PEN CO.

20 John Street, New York, N. Y

PUBLICATION OFFICE OF THE **New England and the South.**

ADVERTISERS *to reach the progressive people of the Southern States should use the*

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An Illust'd Monthly.

Each number containing from 50 to 100 engravings. It is also an excellent medium if you would reach the *Architects, Builders, Manufacturers, and Capitalists of the North.*

Hotel-keepers and nurserymen will find it to be of great value. *J. W. Manning of the Reading Nurseries says:* "The best advertising medium in New England."

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257 WASHINGTON STREET, BOSTON.

GEO. H. CHAPIN, Publisher.

Subscription Price $3.00 a year. Sample copies, post, free.

Special Bargains in the Famous Piedmont Region of the South.

Cæsar's Head Hotel (less than a day's buggy ride from Mr. Vanderbilt's Extensive Purchase at Ashville, N. C.) with park of 2233 acres. Price $35,000, $5,000 cash, balance in annual payments.

One Million Acres Timber Land in North and South Carolina from 75 cents to $1.00 an acre.

Vineyards, Plantations and large unimproved tracts of land for Colonies.

Southern Village, comprising Cotton Mill 100 x 60, 3 stories, capacity 5000 spindles; warehouses, store, cotton gin, flouring, grist and saw mills, president's and superintendent's residences, 35 houses, 3 stables, and 288 acres land, now doing profitable business. Price $25,000. $5,000 cash, balance in annual payments.

A Palatial Southern Home. In famous Nacoochee Valley, fine house and out-buildings upon which more than $75,000 has been expended, 2,500 acres, adjoining a gold mine with capitalization of $2,000,000, the same vein extends through this estate. Price $28,000, including blooded stock, machinery, etc. Apply to Capt. J. H. Nichols, Nacoochee, Ga. or to Geo. H Chapin.

"Grand View Hotel" with 3,000 acres at Tallulah Falls, the "Niagara of the South," valuable gold deposits, over a mile of water-power, one of the best localites for an industrial town in the South. Price $85,000, easy terms. Apply to W. D. Young, Tallulah Falls, Ga., or to Geo. H. Chapin.

Furniture, Foundry, Sash and Blind Establishments in live Southern City.

A Street Railway in prosperous city that has doubled its population during last 5 years. Price $10,000. Will sell whole, half or quarter interest.

Illustrated descriptions mailed postpaid on application to **GEORGE H. CHAPIN,**

257 Washington St., Boston; 36 Pine St., New York; 5 and 6 Palace Chambers Bridge St., Westminster S. W. London; 48 Main St., Greenville, S. C.

THE AMERICAN ARCHITECT AND BUILDING NEWS

ADVERTISERS' TRADE SUPPLEMENT.

No. 99. SATURDAY, SEPTEMBER 6, 1890. VOLUME XXIX. No. 767.

ILLUSTRATIONS.

SPECIMENS OF WROUGHT-IRON WORK. MANUFACTURED BY JOHN WILLIAMS, 544, 556 W. 27th ST., NEW YORK, N. Y.

THE "SANITAS" SYSTEM OF PLUMBING.

It is estimated that the special trap-vent law costs the people of Chicago, New York and Boston about $250,000 a year, and it is known that this expenditure has been rendered entirely unnecessary by the improvements in plumbing appliances made within the last few years. The law in these cities requires every trap to be vented, no matter whether it is required or not. The result is a more or less rapid evaporation of the water-seal of the trap and a serious complication of the plumbing. A false sense of security is also one of the evil results of this law, for the effectiveness of the vent-pipe is easily destroyed by grease deposit, by condensation and by the friction of the air against the sides of the pipe.

Trap-venting can no longer be excused on the ground of its being necessary for the purpose of cleaning or oxidizing waste matters in the piping, since all first-class plumbing fixtures are now made with outlets large enough to permit of their filling the waste-pipes "full bore" at each discharge, and thereby purifying the pipes infinitely better than could the air current; and since all properly arranged waste-pipe systems provide for an ample circulation of air through all the main soil and waste pipes through the foot and head vents.

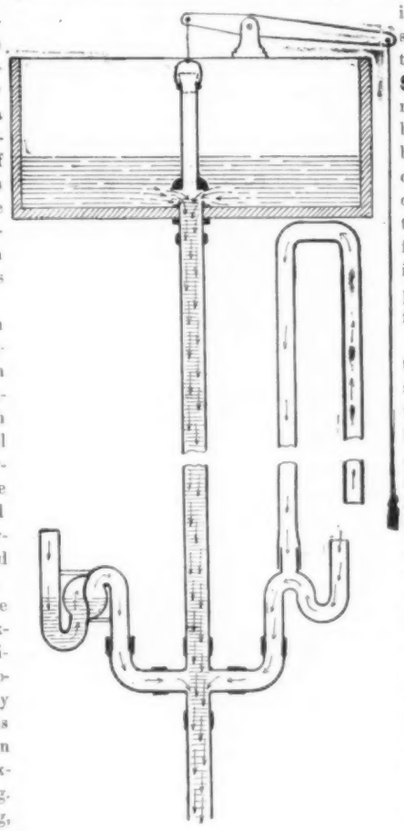
Now that several systems of plumbing have been invented which do not require the expensive and dangerous trap vent-pipes, architects, sanitary engineers and plumbers advocate a modification of this law in such a way as to give the public greater security with less expense and complication. People will then be able to substitute better and stronger fixtures for poor fixtures and complicated piping.

If a better scour is desired for the piping, the law should require every plumbing fixture to be constructed on the principle of a *flush-tank*, and for entire security, it should require all traps to be *anti-siphonic*, so that if the mouth of the vent-pipe becomes closed up by grease, the trap will still preserve its water-seal.

Traps may be tested to determine their power of resistance to siphonage, by very simple forms of apparatus, one of which is shown in the accompanying cut.

It is similar to the best forms employed by Boards of Health and others for the same purpose. A tank corresponding to a bath-tub, sink, slop-hopper, flush-tank or other plumbing fixture, is discharged through a 2-inch valve and waste-pipe. Two branches enter the waste-pipe at the same point below the tank, and to these branches the different traps to be tested are connected. An overflow pipe for the tank is provided in the form of a stand-pipe from the valve, and corresponds with the overflow of ordinary fixtures.

A vent-pipe is provided with one or more bends as desired. This simple apparatus is sufficient to fully test the absolute and relative power of resistance of all kinds of traps, and



may be put up by any one with a minimum of expense and trouble. It consists of an ordinary copper or lead lined wooden cistern of say 26 gallons capacity, provided with the usual form of W. C. cistern stand-pipe valve 2 inches in diameter, operated by a chain and lever. The lever should be so attached to the valve tube or stand-pipe that the upper end of the tube may be closed by a cork as shown in dotted line, when desired. The 2-inch down pipe is of ordinary thin wrought-iron steam or gas pipe, and the two branches are composed of a steam fitter's double **T**, and two-quarter bends, or 2-inch plain copper conductor-pipe may be used. The vent-pipe is composed of tin speaking-tube, carefully soldered to make the joints all perfectly air-tight. Small pieces of pure rubber tubing are used at the connection of the traps with the iron branches and of the vent-pipes with the traps for the purpose both of making the joints air-tight, and of preventing injury to the traps when they are made of glass. The traps to be tested should have small glass panes inserted in their upcast limbs to permit of inspection of the interior during siphoning, or they should have glass movable cups or sections. **S**-traps up to 1¼ inches in diameter of bore may be made entirely of glass by a skilful glass-blower by bending a glass tube under the blow-pipe, and attaching a short tube at the crowns for the vent nozzle at a cost not exceeding $5 apiece. The trap in the illustration was so made and can be duplicated by us for those who have not the facilities for obtaining them themselves. An ordinary cast-lead plumber's **S**-trap should be taken as a pattern for forming the glass **S**-traps.

For the length of the 2-inch pipe we have taken twelve feet, or the average height of a single story, and the branches for testing the traps are placed at middle distance, or six feet below the tank. The overflows of fixtures are sometimes stopped up by house owners to avoid the odors arising from foul, concealed overflow passages, or from bad traps, or those whose seals are destroyed by siphonage evaporation, or other causes. To reproduce this condition in our apparatus, the top of the tank valve stand-pipe is provided with a cork stopper. The use of this stopper also produces the effect of a closure of the main soil-pipe by snow or ice at the roof in winter The whole of this apparatus as shown in the drawing, including a glass **S**-trap and thirty feet of vent-pipe and two return bends, may be obtained for $30 or less. It is not necessary to connect the foot of the 2-inch pipe with a soil-pipe to make the experiments. It may waste into any open trough. A stout 3-ply rubber hose, 1½ inch inside diameter, may be used to connect the ball-cock of the tank with the water-supply.

With this apparatus strains much severer than are likely to be met with in practice are produced, but for comparative tests, it is desirable to be able to obtain the severest strains possible in plumbing.

The following are the results obtained in comparing the Sanitas with other traps. (1) The vented **S**-trap is connected with one branch and the other branch is corked. With

the top of the valve-tube closed a single discharge of two-thirds of the water in the tank destroys the seal of the trap, the vent being only fifteen feet long and containing two return bends as shown. (The trap being the 1¼ inch trap with a 1¼ inch vent opening at the crown, and the vent-pipe being either 1¼ inches in diameter [the size of the bore of the trap as allowed by trap-vent laws], or 1½ inches. In both cases the seal is destroyed by a single discharge.) (2) The unvented Sanitas Trap subjected to precisely the same test as above, retains its seal under continued repetitions of the discharge without refilling the trap. The first discharge lowers the water enough to leave ample room above the water for the escape of air, but a seal of 1½ or 1¼ inch in depth remains. Subsequent discharges have little effect on this seal, and each discharge has less effect upon it than the preceding. The test may be continued indefinitely, without destroying the seal. The "Adjustable" Sanitas Trap is used in these tests, since it is better suited than the other forms of the Sanitas Trap for experimentation, and is, moreover, especially constructed to resist extraordinary and abnormal strains of siphoning, but the other forms of the Sanitas Traps may be used if preferred, and will also resist them. (3) An ordinary 3-inch round or pot trap, unvented, subjected to the same ordeal soon loses its seal. (4) Smaller pot-traps lose their seal still more easily under the test. (5) Larger pot-traps up to 6 or 8 inches lose their seal more slowly, their ultimate destruction being only a matter of time. (6) If the unvented Sanitas Trap be attached to one of the branches and the vented **S**-trap be attached to the other (the arrangement is shown in the drawing), the former will lose but little water, while the latter will lose its seal altogether in a single discharge. The **S**-traps have ten feet of vent-pipe and one or two bends as shown. If the Sanitas Trap be but half-filled with water at the beginning of the test it will lose no water at all. (7) If the above experiments be repeated with the tank valve-tube open, the strains will be greatly reduced. The Sanitas Trap will be very slightly affected after the first discharge has opened an air-passage. The **S**-trap will, however, still lose its seal if the vent-pipe applied be long enough and contain bends enough. Thirty feet of 1¼ inch vent-pipe, having three or four quick bends, or forty feet of 1½ inch vent-pipe, with five or six quick bends, will cause this trap to lose its seal.

The above results, which can be easily verified by any one, at any time, show that the Sanitas Trap, even unvented, is capable of resisting siphonage infinitely better than an ordinary **S**-trap fully vented according to the law, and infinitely better than any other known trap.

The Sanitas basins, bath-tubs and sinks are constructed on the principle of the flush-pot, that is, have outlets as large as the waste-pipes, and fill the latter "full-bore" when they are discharged.

THE SANITAS MANUFACTURING CO.,
48-54 UNION ST., BOSTON, MASS.

HOT-BLAST APPARATUS.

B. F. STURTEVANT'S patent steam hot-blast apparatus consists of an Exhaust Fan and Heater. The fans are designed especially for moving hot air, both bearings being upon one side, leaving the inlet to the fan unobstructed. The heaters are constructed on patent cast-iron bases. The steam supply pipe for the heater enters the base at the bottom on one side, and the water of condensation escapes from the bottom on the opposite side. A diaphragm in the base forces the steam to flow through all the pipes, thus utilizing all the heating-surface. The heaters are encased in steel plate with a receiving-chamber for the air where it enters the fan. Ordinarily the air is taken in at the top from the room where the heater is located. The air taken into the heater, or discharged from the fan, can be conveyed to or from any point by means of distributing pipe. These fans are right or left hand, according as the pulley is on the right or left hand side as you face the outlet. Special heaters of this type, where the air is blasted through instead of drawn through, are furnished where the situation demands.

DIMENSIONS.

Size of Heater.	Square feet Heating Surface.	Floor Space of Fan and Heater combined.	Height of Heater.	No. of Blower or Exhauster, Monogram Pattern.
300 ft.	104	2 ft. 9 in. x 4 ft. 3 in.	6 ft. 9 in.	4
450 ft.	155	3 ft. 3 in. x 5 ft.	6 ft. 9 in.	5
600 ft.	207	3 ft. 9 in. x 5 ft. 6 in.	6 ft. 9 in.	6
800 ft.	307	4 ft. 3 in. x 6 ft.	6 ft. 9 in.	7
1000 ft.	345	4 ft. 9 in. x 7 ft.	6 ft. 9 in.	8

Prices of heaters will vary with the fluctuations of the market price of pipe and fittings.

These sizes of heaters are kept constantly in stock. The other sizes which may be called for, combining different heights, widths and lengths, are too numerous to be tabulated; but we make any size and shape best adapted for individual requirements.

All these heaters are designed to use either live or exhaust steam.

The apparatus can be constructed in different ways, but always combines the essential elements of a fan and heater.

The fan is our latest and most improved pattern, substantially constructed of steel plate, rigidly stayed and stiffened, and combines the elements of lightness and stability. This type of fan is the only one capable of handling large volumes of air under any considerable pressure with a minimum expenditure of power. They are built so as to deliver air horizontally at the top, horizontally at the bottom, or directly upward or downward, or in any two or more desired directions. The larger sizes of fans are built with what is known as a three-quarter steel plate housing, the lower part being of brick, forming a very substantial foundation for the superstructure.

The fans may be driven either by a direct connected horizontal or vertical engine (dependent upon the size and style of the fan), by belt from an independent engine, or by belt from a line shaft. It is always desirable to have an engine devoted solely to the propulsion of the fan, so that the running of the fan shall in no way be dependent upon the running of other machinery.

The engines furnished for these fans are all of our manufacture, and embody the results of years of experience in the design of engines for this specific work. Fan propulsion is particularly trying to any engine. The engine must often run continuously for many days, frequently amid dust and dirt, and without its share of attention; in fact, with poor treatment in every particular. It is therefore obvious that such engines must be of the best as regards workmanship, design and strength, and such we can honestly claim our engines to be. They are carefully designed, with heavy frames, large wearing surfaces, and perfect oiling devices, and can be furnished in sizes from three to one hundred horse power, embodying many recent improvements.

Our steel-pipe heaters have been completely changed in design during the past few months, and are now presented as by far the most carefully built and best designed heaters in the market.

The foundation upon which the heater rests is constructed entirely of wrought angle-iron, flanged and bolted. Upon this, and the expansion balls, rests a series of sectional bases materially changed in style from those we formerly manufactured.

Each section contains either two or four rows of vertical pipes, according to the requirements, connected by cross pipes at the top, as shown. The length of these pipes and their position prevents the evil effects of the unequal expansion of the pairs of vertical pipes, which are found in heaters of other makes, having return bends in place of cross pipes. Free expansion lengthwise of the sections is allowed for by resting one end of the sections upon balls which are supported by a casting beneath.

In order to prevent alternate expansion and contraction of the air between the pipes in the heater, and at the same time economize room and material, the sides of the sections are corrugated so that they fit each other closely and allow an equidistant spacing of the pipes in the heater.

The prime feature of the new heater is in the new style of section. Upon the end of each section is a circular flanged head, divided by a horizontal diaphragm, the upper part communicating with the steam supply, and the lower with the drip. The sides of the heads are planed, and closely fitted, a blank flange placed at one end of the series, and the large steam inlet and drip header at the other end.

To secure perfect joints we use the best copper gaskets, having entirely discarded asbestos and similar packing. All parts are tightly drawn together by substantial through bolts, and tight joints are positively secured. The upper parts of all sections are thus brought into communication with the inlet and the lower parts with the drip.

The steam admitted to the upper portion of the header passes up the series of pipes, communicating with this end of the section, thence through the cross pipes, and down into the separate space in the section, which communicates with the drip. Every square inch of the heating-surface of the pipes and section is thus utilized, and the water is conveyed away through the pipe in the header, in the upper part of which steam is admitted. A small hole in the horizontal diaphragm, near the middle of the section, allows of complete drainage of the water from each section.

The areas for the inlet and drip are very large and direct, giving an opportunity for the use of exhaust steam without back pressure upon the engine. This arrangement does away with all inlet pipes and manifolds, with their numerous flanges and bolts; there are no connecting nipples, allowing of constant racking by unequal expansion, and above all, the inlet and drip are both at the same end of the section, avoiding the great disadvantage of connecting at the opposite ends of the section.

Nothing could be more simple or efficient.

When desired, the sections may be made up in more than one group, so as to use exhaust steam in one portion and live in the other.

In fact, one of the sections is usually made without a head and fitted to receive exhaust steam from the fan engine.

Seeking always for the best, we have, after careful investigation, adopted steel pipe for exclusive use in our heater. The standard weight of one-inch wrought-iron pipe per lineal foot is 1.67 pounds. It was found that the ordinary pipe we were using, and which was the best of the kind in the market, was much lighter, in some cases running down to 1.33 pounds per foot. This fact, and the vast superiority of steel pipe, led us to change from wrought-iron to steel pipe, which is made specially for us, of standard weight per foot, and is consequently much stronger and more durable than ordinary wrought-iron pipe. We offer it as one of the marked merits of our heater. Each heater section, after being piped up, is tested to 150 pounds hydraulic pressure, and when shipped, is completely piped, ready to be put in its proper position in the heater.

Every heater is encased in a steel plate jacket, preventing all possibility of fire, and allowing of the securing of lower insurance rates. One end of this casing is left open to the air so that it is drawn equally across all portions of the heating-surface. The opposite end of the heater is fitted with an inlet connection, communicating with the inlet of the fan.

By careful experiment it has been shown that a given quantity of pipe in one of our heaters will impart four to six times more heat units to a given quantity of air than will an equal amount of pipe arranged in ordinary form.

Single heaters vary in size from 250 to 30,000 or 40,000 lineal feet of one-inch pipe, and are so designed as to be capable of arrangement in any form and situation.

B. F. STURTEVANT, SOLE MANUFACTURER,
JAMAICA PLAIN, BOSTON, MASS.

DRAWING INSTRUMENTS.

FOR many years our standard grades of drawing instruments have been imitated; the names by which we designate them have been used to designate other instruments, and our illustrations and descriptions have been copied. All this we have allowed to go nearly unnoticed, and we could well continue this policy as the sale of our standard instruments is increasing more rapidly than our ability to meet the demand. But as we are continually receiving complaints from persons who have bought instruments which had been represented to them as "just as good as K. & E.," "good instruments at popular prices," or even "the same goods without trademark," we believe that some information about the qualities of such goods will be appreciated as a means of protection against imposition.

Our Superior Swiss instruments, those with tongue-joint as well as those with pivot-joint, are the same make, made only for us, only with our trademark (firm name or initials) and only in this one (highest) quality. All the German silver in these instruments is hard rolled plate metal; no part is "cast and hammered" or "coined in dies," and ours are the only instruments made of rolled German silver. This is the only metal which insures perfect uniformity of density and hardness, and on these features the working, wearing and lasting qualities of instruments depend. All our Superior Swiss instruments, those with tongue-joint and with pivot-joint, are made of this rolled plate metal, and are equally perfect and are unapproached in quality by any other make.

To work this hard rolled plate metal naturally requires more skill, time, labor and wear of tools and machinery than to smooth up castings, but the rolled metal is absolutely indispensable to an instrument of indisputably highest quality. All steel used in the manufacture of our Superior Swiss instruments is the finest English steel, and all the steel parts are hand forged. The shape, proportion and style of every part of every instrument has been the subject of careful study, aided by the suggestions of many professional gentlemen who had the kindness to assist us with their experience. From all this it will be apparent that really first class instruments cannot be furnished for little money; but for professional people and those about to enter the profession, our Superior Swiss instruments are the cheapest they can obtain, and would still be such at many times their cost.

The imitations of our Superior Swiss instruments are of some grade of German instruments (and in our very wide field of observation always of some other grade than the best) and this should be borne in mind in reading the following description of German instruments.

German instruments are made in an endless variety of grades, from the poorest to good serviceable instruments. These instruments (like all other except our Superior Swiss) are made from castings, and the hardness of the metal is graded according to the price of the instruments, as it costs very much less to work castings of soft metal than of hard. For the best grades of these instruments the best and hardest cast metal is used, and the castings are coined and hammered to increase their hardness and density.

The points are made of iron or steel, and in finer grades the steel is carefully tempered. In the common compasses the joints of the head and insertion pieces are either soft cast German silver, like the rest of such instruments, or an iron tongue is inserted to imitate fine steel joints. In good instruments the tongues of the joints are well hammered German silver, and in the extra fine quality they are of hard steel. Of course there is no conspicuous difference in the outward appearance of a soft and a hard German silver tongue, nor of a soft iron and a hard steel joint. Only very few makers have confined themselves entirely to producing only the best grade of instruments, and thus training their workmen to making them thorough and uniform.

The polishing of German instruments is a separate branch of manufacturing, and is in no way in relation to the quality. It is evident from this that very poor instruments can be given the appearance of those which are very good, by giving them the same outward finish and polish as the best grade; and when they are liberally lubricated in the joints and put up in showy velvet or satin cases it is almost impossible for experts, and utterly so for others, to detect by their appearance the poor quality which becomes so painfully apparent in attempting to work with such instruments. Most dealers therefore have no means of knowing what grade of instruments they are selling except they can rely on the house which furnished them.

For this reason we stamp all the German instruments which we list in our catalogue. Those German instruments which are stamped with our trademark [key] are of extra fine quality, better than any other German instruments, and they will answer for professional use. Our other grade of German instruments stamped with our trademark [arrow] will compare very favorably with any other German instruments except our above [key] quality. In these trademarks buyers have our guaranty for the quality of these instruments, instead of being obliged to select them according to their very often deceptive appearance.

French instruments are cast brass or cast German silver; the iron or steel points are cast into the metal, and these castings are pressed in steel dies to make the metal harder and to save cost of labor. They are then highly polished (buffed) and are ready for the market. Of course they will not do for good work, and cannot be used for professional purposes. They find a market on account of their price.

In the way of specialties we have Anemometers or wind-gauges, which are used for measuring velocity of air-currents in mines, hospitals, public buildings, sewers, etc. They serve manifold and important sanitary and scientific purposes. In use, the fans must always face the current. The long hand registers feet on the large circle, while on the small circles hundreds, thousands, etc., are registered.

Thompson's Improved Leveling Target, in which the horizontal dividing line on the target is carried over two surfaces at right angles to one another, and will therefore show as a broken line except when the rod is held perfectly plumb. It therefore insures absolute perpendicularity to the line of sight in both directions, thus making its action positive when used either as a level or offset target.

The position of the rod is always under the control of the man at the instrument, and a positive check is thus furnished on a careless rodman.

Our Architect's Level, with compass, which has an 11-inch telescope, with dust shade and cross-hairs, fine divided bubble, object glass with rack-movement, eye-piece adjustable, compass divided to degrees, fine needle, horizontal circle 3-inch, divided to degrees, with vernier reading to 5 minutes. Altogether this is a most serviceable and compact instrument; and one instrument, at least, should be in each architect's office.

Thacher's Calculating Instrument, which performs a great variety of useful calculations, with unexampled rapidity and accuracy, and consequently will be found useful to the engineer or architect.

Our Flat Paragon Scales, which are made of the best seasoned boxwood. The bevels are lined with a material resembling ivory, which will permanently remain white and will not shrink. The Paragon Drafting Scales are a great and decided improvement over all other scales now in use. They combine durability and distinctness, and will not tire nor injure the eyes, because they are even more distinct and legible than ivory scales.

They are put up and arranged in a manner to make their use the most practical, time-saving and economical, in neat but strong mahogany boxes, which have a separate place for each scale, which place is plainly marked, so that the desired division can be selected at a glance. In this manner the scales, which are as valuable and more delicate than compasses and dividers, are protected as well as the latter; for it is unreasonable that scales should be allowed to take care of themselves while compasses are preserved in velvet-lined cases.

Our Triangular Paragon Scales, which have an improved shape which prevents wearing off of the divisions and insures better contact with the drawing and a better angle of vision. The bevels bearing the divisions are lined with a material resembling ivory, like the above flat paragon scales. The advantages of these combined improvements are obvious.

KEUFFEL & ESSER CO.,
NEW YORK, N. Y.

VALUABLE DISCOVERIES.

RESULTS OF VAST IMPORTANCE TO THE GENERAL PUBLIC.

After years of search and research in all parts of the civilized globe the well known mining engineer, chemical and metallurgical expert, Mr. George S. Lee, has arrived at discoveries and results which will prove of vast importance in many directions. For years it has been the effort of the people in interest to bring about a chemical combination of products necessary to form a perfect ready and lasting roofing. This is in brief what Mr. Lee has actually accomplished, and in doing so, and upon the same principles, can produce paving of a more valuable character than has been made to date, and a preservative paint which when once applied cannot be removed except by friction.

The vast value and importance of the discoveries in question can be easily understood in that part of the principle which applies to preservative paint. For instance, the chief characteristic of the several preservative paints heretofore produced is the oxide of iron, which is "a compound of oxygen and a base destitute of acid and solidifying properties," which is, as is well known, subject to atmospheric changes; whereas, the chief characteristic of Mr. Lee's product is the proxotide of iron, which is of "one part oxygen to one part of metal in equal quantities with an acid base and solidifying qualities," and not affected by atmospheric changes in any way whatever. As these discoveries have been made they have been tested carefully, parties in interest seeking the services of Prof. Thomas Egleston, of New York, one of the highest authorities upon such matters in the world.—*New York World, August* 7, 1890.

NOTES.

The Salem Foundry and Machine Shops, manufacturers of freight elevators, are meeting with much success with their automatic locking hatch for elevator openings.

Among their recent sales may be noted the following:

Pacific Mills, Lawrence, 29; Everett Mills, Lawrence, 5; Springfield Prov. Co., Springfield, 15; Lyman Mills, Holyoke, 3; Overman Wheel Co., Chicopee Falls, 3; Spartan Mills, Spartansburg, Ill., 8; Lynchburg Cotton Co., Lynchburg, Va., 4; Sewall & Day Cordage Co., Boston, 9; Chelsea Jute Mills, Brooklyn, N. Y., 10; Salem Building Association, Salem, 10; P. Sim & Sons, Salem, 2; Fitchburg Manufacturing Co., Fitchburg, M. Butman, Lynn, W. P. Griswold, Holyoke, and many others.

Miss S. A. Fletcher, whose advertisement appears in another column, has removed from No. 30 East 14th Street to Lincoln Building, No. 3 Union Square, New York. Already patronized by many architects who know from experience the facility and quickness with which their technical papers can be typewritten, she solicits the work of all architects having lengthy and intricate specifications to be copied, which will be executed in an entirely satisfactory manner.

The Whittier Machine Company have recently constructed for the Sewall & Day Cordage Company, Boston, two steel boilers each six feet in diameter.

The New Jersey Wire Cloth Company of Trenton, the manufacturers of the Roebling Standard Wire Lathing Co., have perfected a special wire lathing for use with the plastering materials now being sold, such as Adamanta Plaster, King's Windsor Cement, and the Fitzgerald Patent Plastering Compound. It is pronounced by all who have examined it to be just the thing, and to overcome all the objections usually made to wire lathing when used with these materials. This lathing is now being used at the Asylum for Insane Criminals at Fishkill-on-Hudson.

Specifications are out and bids are advertized for the erection of the new cavalry-barracks building at West Point, N. Y. The specifications for heating apparatus call for two Number 7 Gorton Boilers. These boilers are manufactured by the Gorton & Lidgerwood Company, Chicago, New York and Boston, who have furnished the Government with a number of their celebrated boilers at one time and another. There are now six of them in use at the Brooklyn Navy Yard, one of which has been giving the most satisfactory results for over six years and is still doing good service. The company last year filled a notable order for twenty-one of their boilers which were used in the Captains' and Lieutenants' quarters at Fort Sheridan, Ill.

The Whittier Machine Company have recently put into the building of P. St. George Bissell, No. 695 Broadway, New York City, an hydraulic elevator upon their Pressure-Tank System for passenger service.

BUILDING INTELLIGENCE.

Reported for the American Architect & Building News.

ALTERATIONS.

Boston, Mass. — *Mt. Vernon St.*, near Mt. Pleasant St., Ward 23, remodel building for two families; owner and builder, Geo. A. Spear.

Hanover and Cross Sts., Ward 6, alterations to Station 1; owner, City of Boston; builder, J. H. Stephenson.

Beacon St., alterations to brick dwell. for F. C. Lowell; builder, F. L. Whitcomb; architects, Longfellow, Alden & Harlow.

Chicago, Ill. — A. Caton, two-st'y addition, 1910 Calumet Ave.; cost, $2,000.

J. M. White, three-st'y addition, 3842 Johnson Pl.; cost, $2,500.

Eugene S. Pike, one-st'y addition, 83-87 Fifth Ave.; cost, $25,000.

Fairbank Canning Co., four-st'y addition to packing-house, Exchange Ave. and N. W. R. R.; cost, $30,000.

L. Nelson, two-st'y addition, 303 West Indiana St.; cost, $6,000.

APARTMENT-HOUSES.

Chicago, Ill.—F. W. Etten, 2 three-st'y flats, 2340-42 Portland Ave.; cost, $10,000.

Albert Oehring, three-st'y flats, 34 Dayton St.; cost, $5,000.

Louis Haack, two-st'y flat, 624 West Twenty-first St.; cost, $5,000.

Charles Lessendolh, 2 four-st'y flats, 266-268 Noble St.; cost, $15,000.

E. A. Cummings, 3 three-st'y flats, Sixty-ninth and Leavitt Sts.; cost. $6,000.

John W. Davis, two-st'y flat, 5208 Sherman St.; cost, $2,000.

D. F. Gleason, two-st'y flat, 1007 Polk St.; cost, $4,500.

W. P. Foster & Son, 3 three-st'y flats, 413-417 St. Laurence St.; cost, $10,000.

Andrew Lelja, two-st'y flat, Morgan St., near Sixty-first St.; cost, $2,000.

CHURCHES.

Canton, Mass. — Frame church for Univeralist Society, 50′ x 90′; contract to be let; architects, Loring & Phipps, Boston.

Chicago, Ill.—Deutsch Evangelical Church, church, Fifty-second and Justin Sts.; cost, $7,500.

Rev. Noverski, church, Forty-eighth and Page Sts.; cost, $2,000.

Wabash Avenue Baptist Mission, church, 3801-03 Wabash Ave.; cost, $10,000.

Maplewood Avenue M. E. Church, church, 783 Maplewood Ave.; cost, $8,000.

HOUSES.

Allston, Mass.—*Ashford St.*, frame dwell., 31′ x 41′; cost, abt. $6,000; owner, Mrs. Ada Hammond; architect, Eugene L. Clark, Boston.

Chicago, Ill. — H. Rohrson, cottage, 965 Hinman St.; cost, $2,000.

A. C. Hayner, 3 two-st'y dwells., 341-343 Forty-first St.; cost, $9,000.

Horace G. Chase, three-st'y dwell., 3401 Michigan Ave.; cost, $40,000.

Oscar Charles, four cottages, Bosworth St., near Grace St.; cost, $3,600.

N. C. Niblack, two-st'y dwell., Forty-seventh St. and Woodlawn Ave.; cost, $7,000.

E. L. Kendall, four cottages, Morgan and Fifty-seventh Sts.; cost. $8,000.

C. C. Heisen, three-st'y dwell., 65 Lake Shore Drive; cost, $60,000.

M. A. Hogeman, two-st'y dwell., 5627 Butterfield St.; cost, $2,000.

M. Manasse, two-st'y dwell., 4369 Okenwald St.; cost, $7,000.

Roxbury, Mass. — *Humboldt Ave.*, frame dwell., 37′ x 55′; cost, $7,500; owner, N. B. Ryder; builder, Hezekiah McLaughlin; architect, Eugene L. Clark, Boston.

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1. The applicant must be a citizen of the United States.

2. At the time of filing notice of intention to compete, the applicant must be between the ages of twenty and twenty-five years.

3. The applicant must have served for at least two years in offices of members of the American Institute of Architects, or of the Western Association of Architects. A graduate's diploma granted by a technical school will be accepted in lieu of one of these years' of office-work.

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   The exact date and place of examination will be announced later.

5. An examination fee of $5.00 for the benefit of the examiners will be required.

6. The appointee must take his departure within six weeks of receiving notice of appointment. One hundred dollars will be paid to him at the time of taking ocean passage and the balance [$400.00] of the scholarship in monthly installments.

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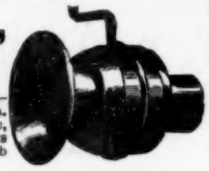

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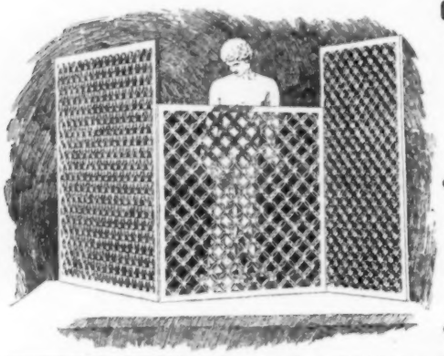

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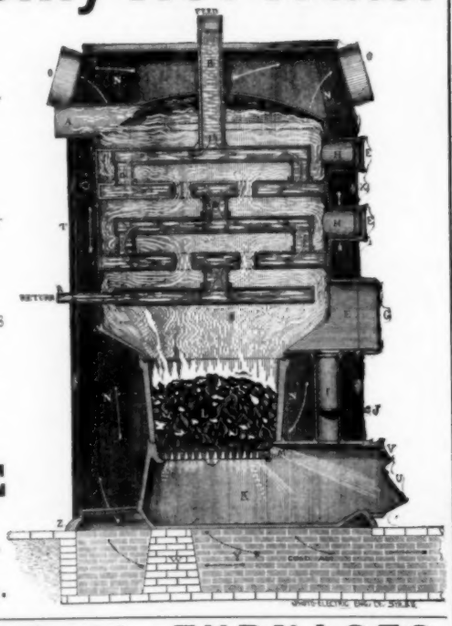

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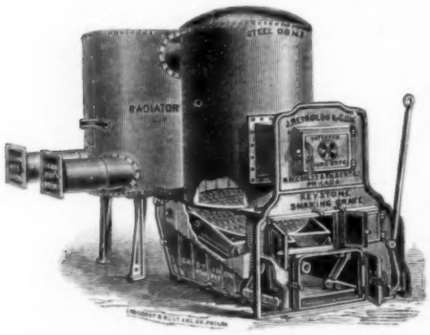

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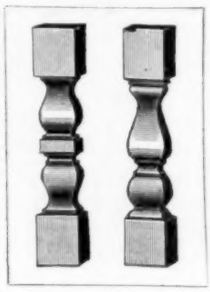

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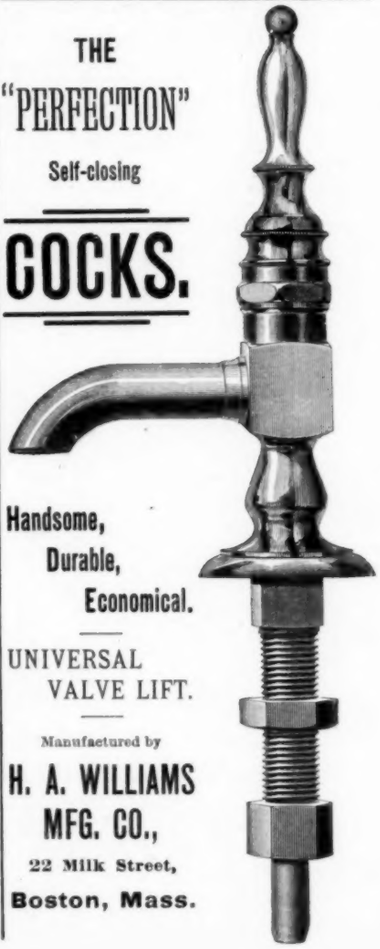

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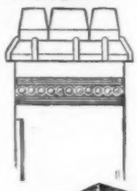

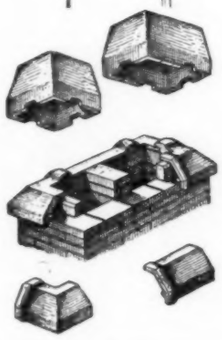

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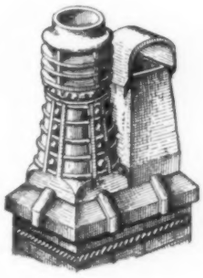

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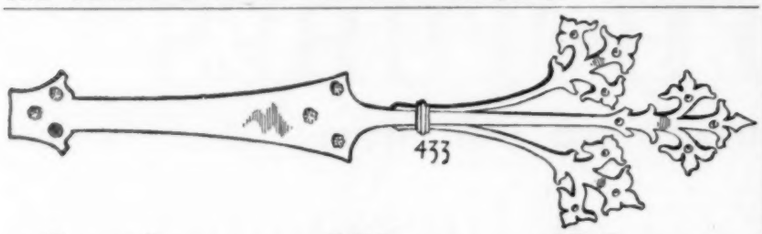

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" 3d quality	18 00 @ 22 00	35 00 @ 40 00	14 00 @ 20 00	30 00 @ 35 00
Spruce	@ 25 00	13 00 @ 25 00	*Not sold.*	16 00 @ 20 00
Hemlock	@ 14	13 00 @ 15 00	@ 12 00	11 25 @ 13 50
Yellow pine	20 @ 40	25 00 @ 35 00	29 00 @ 37 00	14 00 @ 29 00
Cypress	@	32 00 @ 40 00	@	@ 35 00
Clapboards:				
Pine	@	40 00 @ 60 00	10 00 @ 22 00	14 00 @ 25 00
Spruce	@	25 00 @ 45 00	*Not sold.*	*Not Sold.*
Framing Timber:				
Pine			12 00 @ 15 00	25 00 @ 37 30
Spruce	14 00 @ 18 00	15 50 @ 20 00	*Not sold.*	16 00 @ 18 00
Hemlock	12 00 @ 16 00	14 00 @ 16 00	10 00 @ 13 00	13 00 @ 17 00
Yellow pine	18 00 @ 21 00	24 00 @ 35 00		22 00 @ 28 00
Laths:				
Pine	@	2 25 @ 2 35	2 10 @ 2 25	2 75 @ 3 00
Spruce	2 30 @ 2 35	2 25 @ 2 50	*Not sold.*	2 30 @ 3 00
Shingles:				
Pine, shaved ℔ 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 ℔ 125	1 40 @ 1 60	3 75 @ 4 00	6 00 @ 7 50	
Cedar, split ℔ M	@	@	*Not sold.*	
Cedar, sawed "	@	2 00 @ 4 00	2 00 @ 2 35	30" $35 @ 40; 24" 8 @ 21; 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 ℔ ft.	4½ @ 5½	Piles 6c. ℔ 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	4 00 @ 1 25
Chestnut "	@	25 @ 50	*Not sold.*	20 @ 30
Finishing Woods: ℔ M. (*First Qual. Kiln dried.*)				
Ash	@ 55 00	45 00 @ 60 00	30 00 @ 40 00	30 00 @ 40 00
Cherry	80 00 @ 120 00	85 00 @ 120 00	80 00 @ 100 00	80 00 @ 100 00
Butternut	40 00 @ 60 00	60 00 @ 70 00	50 00 @ 60 00	70 00 @ 80 00
Hard-pine floors (rift)		50 00 @ 60 00		
Mahogany, Baywood [Mexican]	@ 180 00	150 00 @ 160 00	150 00 @ 200 00	150 00 @ 250 00
" St. Domingo	@ 350 00	120 00 @ 350 00	200 00 @ 250 00	200 00 @ 400 00
Maple	45 00 @ 50 00	45 00 @ 50 00	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 @ 80 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 ℔ ℔	@ 6		@ 7	
Spruce floors (clear, kiln-dried)		32 00 @ 35 00		
Walnut, black	125 00 @ 150 00	80 00 @ 120 00	55 00 @ 100 00	50 00 @ 170
Whitewood	45 00 @ 50 00	40 00 @ 45 00	18 00 @ 40 00	25 00 @ 40 00
Yellow pine ℔ M	@ 45 00	40 00 @ 42 00	29 00 @ 40 00	27 50 @ 45 00

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Common: *Cargo afloat.*				@ 12
Pale	2 50 @ 3 25	Eastern 9 00 @ 10 00	Building Brick @ 6 50	Sq. Hard @ 9 00
Jersey	4 00 @ 5 50	Hav State Hard 10 00 @ 10 50		" " @ 6 50
Long Island	5 50 @ 6 60	Domestic Com. 9 50 @ 10 00	Indiana Pressed 14 00 @ 20 00	Salmon @ 9 00
Up River	4 50 @ 5 50	Domestic Face 20 00 @ 22 00	St. Louis Fronts @ 27 00	Sq. "
Haverstraw Bay 2nd	5 00 @ 5 50	Philadelphia 40 00 @ 45 00		Light Stretchers @ 12 00
" 1st	5 75 @ 6 25	Phila. mould 50 00 @ 80 00		Medium " @ 14 00
Hollow	@ 13 00	Anderson 14 00 @ 32 00	15 00 @ 27 00	Red " @ 15 00
Fronts			65 00 @ 350 00	Dark " @ 15 00
Croton, Brown	14 00 @ 15 00		@ 55 00	Pressed 22 00 @ 26 00
" dark	15 00 @ 16 00		45 00 @ 50 00	Best Paving @ 16 00
" red	15 00 @ 16 00		45 00 @	Second " @ 14 00
Chicago pressed (Anderson)			25 00 @	Third " @ 13 00
Chicago Moulded			60 00 @ 100 00	Dom. @ 65 / @ 85
Baltimore	7 00 @ 41 00		30 @	
Philadelphia	@ 22 00		35 @	
Trenton	@ 22 00		55 00 @ 65 00	
Milwaukee				
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			
CEMENT, LIME, etc.—(₱ *cask.*)				
Rosendale Cement	90 @ 1 10	1 20 @ 1 40	*Not Sold.*	1 30 @ 50
Louisville "	*Not sold.*	Brooks, S. & Co 2 60 @ 3 00	1 05 @ 1 30	B & S.E. 275 @ 300
Utica, Akron, Buffalo, Milw'kee.	2 50 @ 3 00	2 60 @ 3 00	1 60 @ 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 25 @ 2 50	2 60 @ 3 00	3 00 @ 3 25	2 75 @ 3 00
" " Black Cross	2 50 @ 2 80	2 60 @ 3 00	3 00 @ 3 25	2 85 @ 3 15
" " (Burham)	2 65 @ 3 00	2 60 @ 3 00	2 90 @ 3 15	2 75 @ 2 85
" " (White's)	3 60 @ 3 75	@ 5 00	3 00 @ 3 25	
" French (Lafarge)	2 90 @ 3 25	3 00 @ 3 50	3 75 @ 4 25	Hemmoor 2 50 @ 2 75
" German (Alsen)	2 25 @ 2 40	3 15 @ 3 35	@ 3 20	2 75 @ 2 85
" " (Fewer)	2 50 @ 2 90	Cleopatra 2 55 @ 3 00	3 20 @ 3 40	Josson 2 50 @ 2 75
" " (Vorwohler)	@	3 00 @ 3 50	@	3 00 @ 3 25
" " (Lagerdofer)	2 90 @ 3 25		2 75 @ 3 00	2 75 @ 2 85
" " (Dyckerhoff)	2 50 @ 3 00	2 15 @ 2 50	3 25 @ 3 50	
" " (Hanover)	2 35 @ 2 85	@ 3 00	*Not Sold.*	2 50 @ 2 75
" " Stettin, (Anchor)	2 15 @ 2 45	@ 6 00	*Not Sold.*	3 00 @ 3 50
" American (Saylor's)	2 75 @ 3 00	@ 11 50	2 75 @ 3 00	6 50 @ 7 00
Roman	5 75 @ 6 50		2 75 @ 3 25	8 00 @ 9 00
Keene's coarse	9 25 @ 10 25		6 00 @ 7 00	
" superfine			9 @ 10 50	White Lime 25 @ 30 ₱ bush
Lime:	3 50 @ 4 00		*Not sold.*	White Mass 1 25 @ 1 50
Lime of Teil	@ 1 45	@ 1 35		1 00 @ 1 00
Hydraulic Lime		St. John 1 00	55 @	
Chicago Lime in bulk			60 @	
Wisconsin "	@ 1 00	@ 1 05	*Not sold.*	*Not sold.*
Rockland and Rockport, (Com.)	@ 1 20	@ 1 10	*Not sold.*	*Not sold.*
Rockland and Rockport, finish.	@ 1 20	@ 1 20	1 00 bulk, 75c.	1 50 @ 2 25
Kelley Island Lime, finish	@ 85	*Not sold.*	*Not sold.*	1 75 @ 2 50
State, com. cargo rates (nom.)	@ 1 10	*Not sold.*	*Not sold.*	20 @ 25
State, finishing "	1 20 @ 1 25	1 85 @ 2 00	1 85 @ 1 90	30 @ 35
Plaster of Paris (calcined.)	1 30 @ 1 35	@ 2 25	1 85 @ 1 90	@ 1 50
" (casting)	12 @ 15	25 @ 30	20 @ 25	
Hair (Cattle) ₱ bush	22 @ 25	@ 30	30 @ 35	55 @ 65
" (Goat)	1 00 @ 1 25	1 75 @ 1 90	@ 60	
Sand, ₱ load				
STONE. (₱ *cubic foot, rough.*)				
Granite: (*Maine*)	45 @ 1 25	@ 60		75 @ 90
Limestone:	@ 1 00	95 @ 1 00	50 @	Richmond 75 @ 1 56
Bedford	@		35 @ 55	4 50 ₱ Perch
Joliet	@		35 @ 60	
Lemont	@	10 50 per ton	@ 1 00	
Serpentine				

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Mortar Colors.				
Black, brown, buff ℔ lb	@ 12½			
Colorific ℔ lb	@ 2½			
Red	@ 3			
White ℔ bbl	@ 1 75			
Foundation:				
Dimension	@	5 00 ℔ ton	20@	@ 5 00
Block	@	4 60 ℔ perch		Conshocken
Rubble	@	1 25 @ 1 50	8 50 @	1 45 @ 2 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		95 @ 1 16
Kibbe	@ 90	90 @ 1 10		
Brown (Connecticut)	1 00 @	1 25 @ 1 45	1 50 ℔ cub. ft.	1 05 @ 1 35
Amherst } Ohio	90 @ 95	90 @ 1 00	45 @ 50	
Berea } Ohio	75 @ 1 00	80 @ 90	45 @ 55	55 @ 1 00
Berlin } Ohio	75 @ 1 00	80 @ 90	55 @ 65	
Belleville	80 @ 1 25	1 25 @ 1 35	@ 1 25	1 10 @ 1
New Brunswick (Dorchester)	@ 1 00	75 @ 90	"	1 00 @ 1
Caen	@	@ 2 00	"	1 25 @ 1
Carlisle. English	@ 1 05	@ 1 05		95 @ 1
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	350 @ 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	7 50 @ 10 25
" black, Lehigh	4 25 @ 4 75	@	6 25 @ 6 85	3 25 @ 4 00
" " Chapmans	@	@	7 30 @ 8 00	4 00 @ 4 65
" Unfading Black, Monson, Me.	5 50 @ 8 00	5 50 @ 8 0	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 @ 7½	@ 7½	6½ @ 7	@ 7
" Zinc, "	5 @ 8½	@ 8	7 @ 10½	@ 7
Red lead, Am.,	6½ @ 7	@ 7½	6½ @ 7	@ 7
" Venetian	6 @ 10½	7 @ 12	1½ @ 2½	dry Eng. @ 8
" Vermilion	65 @ 70	72 @ 75 dry	65 @ 68	Eng. @ 66
Red Indian, Eng.	12 @ 20	12 @ 20	12 @ 20	6½ @ 7
Yellow Ochre	6 @ 12	7 @ 12	3 @ 15	dry Am. @ 1½
" Chrome	12 @ 20	18 @ 25	15 @ 25	@ 18
Green (chrome)	8 @ 13	8 @ 20	8 @ 20	@ 12
Green, Paris,	25 @ 40	25 @ 40	18 @ 35	" 20 @ 25
Black, lamp,	15 @ 28	15 @ 25	8 @ 30	@ 12
Blue, ultramarine	12 @ 18	18 @ 30	12 @ 35	@ 20
Oil, linseed, (raw) } (℔ gal.)	60 @ 63	61 @ 62	57 @ 60	@ 58
" " boiled } (℔ gal.)	63 @ 66	64 @ 65	60 @ 63	@ 61
Turpentine } (℔ gal.)	40 @ 41	@ 47	51 @ 51	@ 50
Varnish, coach } (℔ gal.)	@	1 50 @ 6 00	1 25 @ 2 00	@ 3 00
Shellac } (℔ gal.)	@	2 50 @ 3 00	2 25 @ 4 00	@ 2 75
Putty	2 @	2 @ 4	92 @ 02½	@ 2
Whiting } dry	75 @ 1 00	1 @ 1½	1 @ 1½	@ 1
Paris white, (Eng.) } dry	1 50 @ 2 00	2 @ 3	1½ @ 2	@ 1½
Litharge, Am. } dry	5½ @ 6	@ 7½	6½ @ 7	@ 7
Sienna (burnt) } dry	14 @ 20	14 @ 20	4 @ 16	@ 14
Umber, " } dry	14 @ 20	14 @ 20	2 @ 10	@ 12
HARDWARE.				
Nails: (*Per Cask.*) **Spikes,** (*wrought.*)	@ 2 85		2 75 @ 3 00	pr kg @ 2 25
10d. common	@ 2 60	@ 2 20	@ 2 35	@ 2 30
Shingle	@ 3 35	@ 2 30	@ 2 75	@ 2 60
Lath	@ 4 85	@ 3 50	@ 3 65	3 60 @ 4 75
Finishing nails according to size.			Add .85 to $1.15	per ℔ 4 @ 6
(*For casing nails add 75c. per keg.*)			" .50 to .90	Add pr cask
Butts: 4" x 4" (℔ dos. 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 ℔ pair.	@ 65	@ 50	*Not sold.*	48 @ 50
Bronze metal	@ 1 90	plain 1 65	2 00 @ 3 25	@ 1 25
Brass (to cupboards)	@ 10	@ 10	@ 12	@ 1 00
Ebony				@ 35
Apple wood				37 @ 1 00
Knobs; (℔ *Set.*)				
Mineral, best	@ 8	@ 8	8 @ 10	@ 08
Lava	@ 50	@ 75	65 @ 80	*Not sold.*
Hematite	*Not sold*	17 @ 33	31 @ 40	25 @ 50
Porcelain	@ 30	@ 10	25 @ 30	@ 25
Glass, solid	*Not sold*	@ 50	*Not sold.*	1 00 @ 2 50
Glass, silvered	*Not sold*	88 @ 1 00	@ 1 50	1 75 @ 2 00
Bronze metal	75 @ 2 00	50 @ 3 00	50 @ 3 00	50 @ 3 50
Brass	1 00 @ 2 50	50 @ 3 00	1 00 @ 3 00	75 @ 1 25
Solder:		@	13 @ 16	13½ @ 16
Sheet Lead		@ 7½	7	@ 6½
Lead Pipe		@ 7	6½	6 @ 6
Iron:				
I-Beams, up to and including 30 ft.	3 3-10 @ 3½	@ 3 1-10	@	@ 2 8-10
I-Beams, over 30 ft. ¼, ½, ¾ c. advance	@		3.20 @ 3 70	@ 2 8-10
Channel-Beams	3 3-10 @ 3½	@ 3 1-10	" @ "	@ 2 8-10

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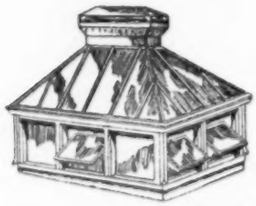

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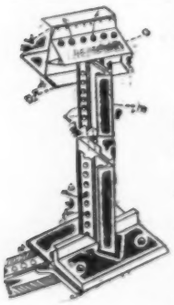

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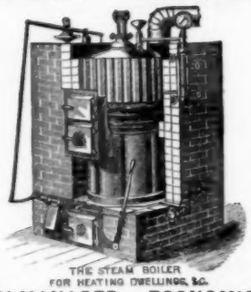

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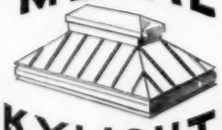

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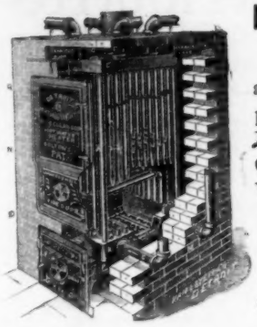

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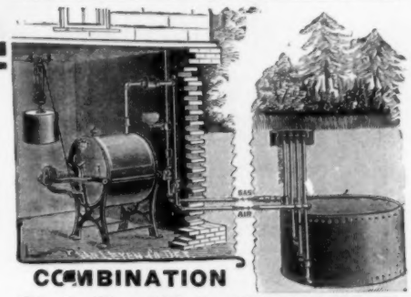

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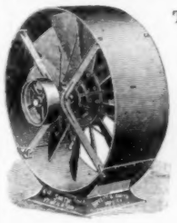

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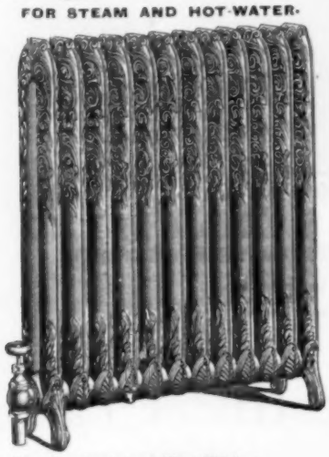

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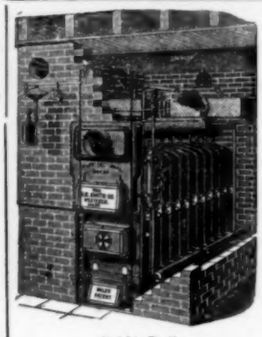

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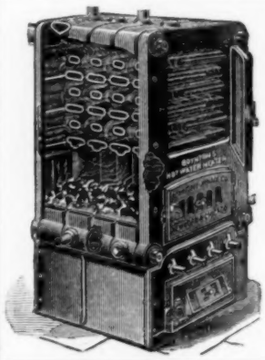

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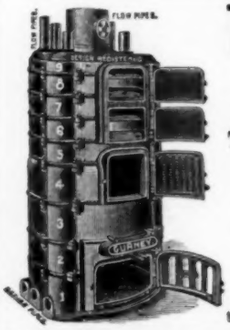

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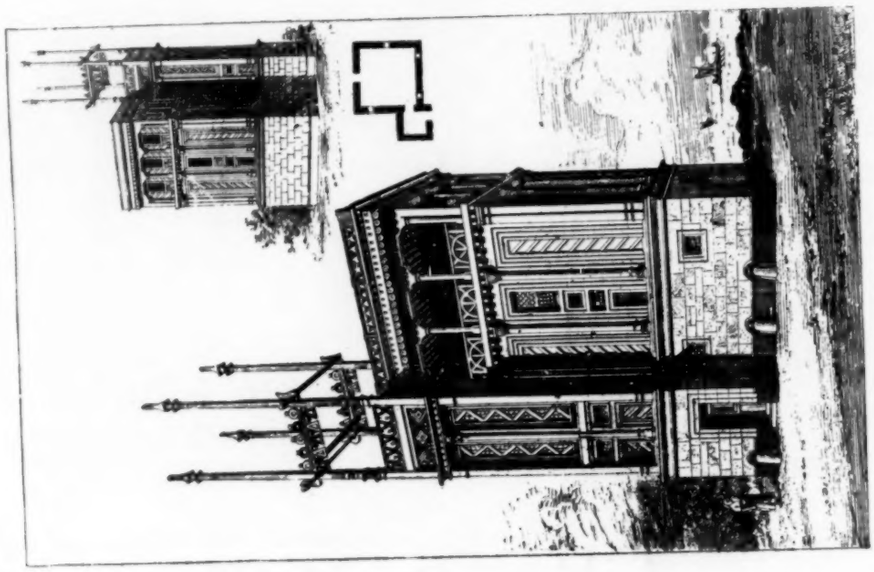

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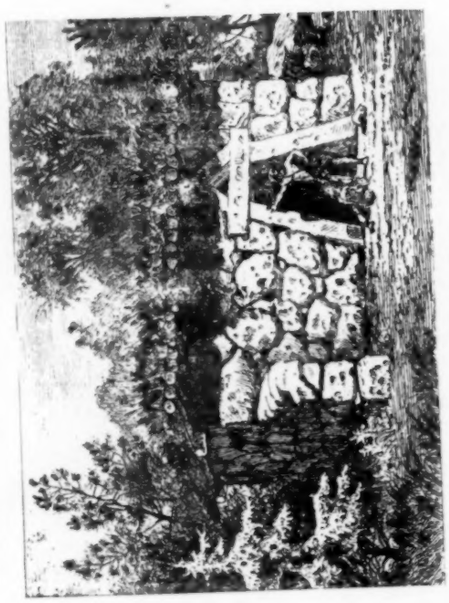

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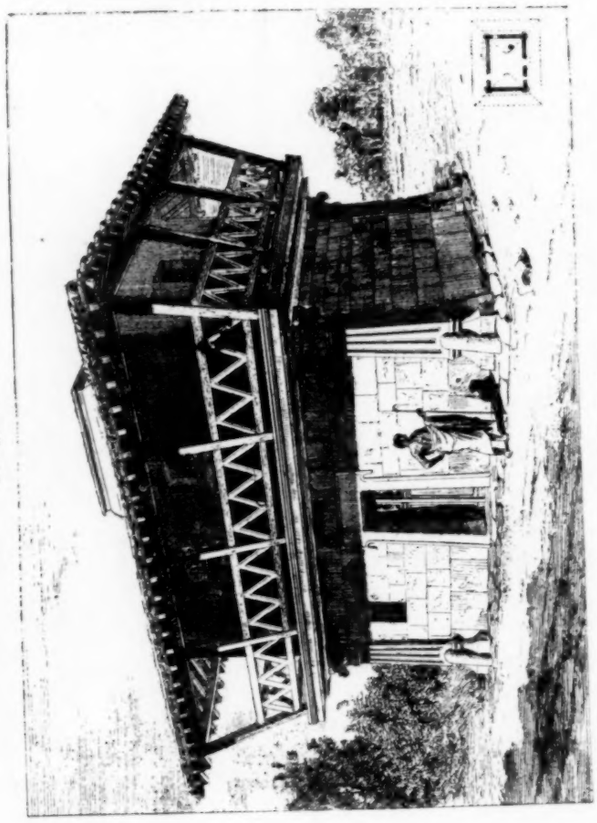

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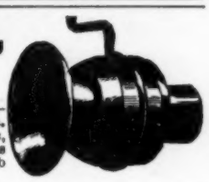

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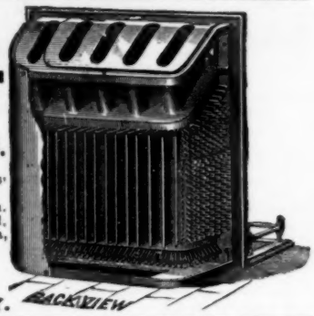

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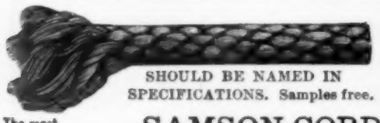

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[*Although a large portion of the building intelligence is provided by their regular correspondents, the editors greatly desire to receive voluntary information, especially from the smaller and outlying towns.*]

ALTERATIONS.

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Twenty-fourth St., s e cor. Hamilton Ave., one-st'y addition to mill; contractor, Wm. G. Phillips, 2504 Fairmount Ave.

Auburn St., s s, w Eighth St., alter dwell. to stable; contractor, H. C. Cook, 1533 Dean St.

Girard Ave., n s, w Sixteenth St., one-st'y addition to church; contractor, A. J. Drinkhouse, Twenty-first St. and Ridge Ave.

Montgomery Ave., s s, w Cadwallader St., six-st'y addition to factory; superintendent, D. G. Harkness, 2307 North Tenth St.

Beek St., n s, e Seventeenth St., two-st'y addition to dye-house; contractors, Kister & Oram, 129 South Seventh St.

Broad St., w s, n Locust St., two-st'y addition to Union League Building; contractor, Louis Hewens, 518 Girard Building.

St. Louis, Mo.—Alter brick office-building; cost, $5,000; owners, Turner R. E. Co.; contractor, M. J. Brennan.

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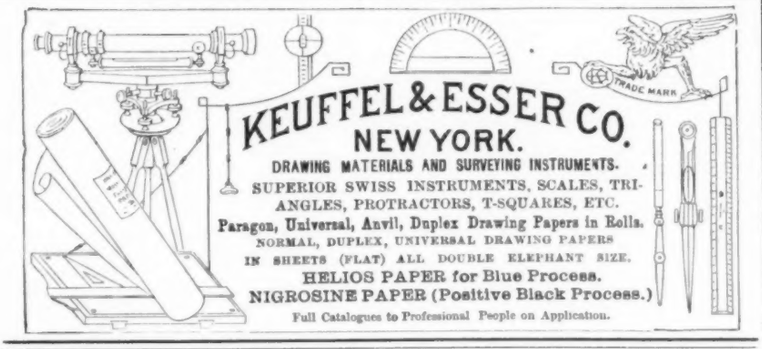

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Fourth St., s w cor. Cornelia St., five-st'y brick flat, tin roof; cost, $25,000; owner, Wm. Rankin, 253 West Fifty-first St.; architect, George Keister, 55 West Thirty-third St.

One Hundred and Thirty-third St., s s, 335′ w Fifth Ave., 6 five-st'y brick flats, tin roofs; cost, $114,000; owner, Jacob Wicks, 67 East Ninety-second St.; architect, Edward Wenz, 1491 Third Ave.

West Thirty-ninth St., Nos. 412-414, 2 five-st'y brick flats, tin roofs; cost, $19,000; owners, Weil & Meyer, 227 East Sixtieth St.; architect, G. F. Pelham, 1481 Broadway.

Willis Ave., s e cor. One Hundred and Thirty-eighth St., five-st'y brick flats, tin roof; cost, $18,000; owner, P. N. McManus, 324 West One Hundred and Fifteenth St.; architect, J. Averill Webster, 110 East One Hundred and Twenty-fifth St.

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Mrs. J. Sebastian, two-st'y flat, 159 Cleveland Ave.; cost, $2,300.

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John Scannell, two-st'y flat, 699 Hinman St.; cost, $5,000.

Mrs. M. Kell, four-st'y flat, 388 East North Ave.; cost, $8,000.

Herman Schaefer, two-st'y flat, 205 Bissell St.; cost, $3,500.

J. Perryman, two-st'y flat, 539 West Erie St.; cost, $2,000.

August Johnson, three-st'y flat, 50 Milton St.; cost, $5,000.

C. O. Gleason, 2 three-st'y flats, 77-79 Twenty-ninth St.; cost, $8,000.

C. O. Gleason, three-st'y flats, 35 Thirty-sixth St.; cost, $4,000.

Mrs. J. A. Trask, three-st'y flats, 171 Jay St.; cost, $7,000.

John Karlvesky, three-st'y flats, 674 Hinman St.; cost, $4,500.

C. G. French, three-st'y flats, 647 Forty-sixth St.; cost, $5,100.

Dr. V. C. Price, 2 four-st'y flats, 473-475 Western Ave.; cost, $22,000.

William H. Drake, 2 three-st'y flats, 3500-3502, Halsted St.; cost, $14,000.

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Eighth Ave; architect, James W. Cole, 403 West Fifty-first St.

Ninth Ave., w s, 25′ n Forty-eighth St., 2 five-st'y brick flats, tin roofs; cost, $50,000; owner, Mary J. Walsh, 350 East Fifty-sixth St.; architect, I. H. Valentine, 247 West One Hundred and Twenty-fifth St.

One Hundred and Twentieth St., s s, 125′ e Fifth Ave., five-st'y brick flat, tin roof; cost, $30,000; owner, Mary McManus, 324 West One Hundred and Fifteenth St.; architect, I. H. Valentine, 247 West One Hundred and Twenty-fifth St.

West Thirty-sixth St., No. 318, five-st'y brick flat, tin roof; cost, $20,000; owners, Currie & Gillie, 208 West One Hundred and Fourth St., and One Hundred and Fifty-second St. and St. Nicholas Ave.; architect, M. V. B. Ferdon, 272 West Thirty-fourth St.

West Thirty-sixth St., No. 316, five-st'y brick flat, tin roof; cost, $20,000; owners, Currie & Gillie, 208 West One Hundred and Fourth St., and One Hundred and Fifty-second St. and St. Nicholas Ave.; architect, M. V. B. Ferdon, 272 West Thirty-fourth St.

Essex St., No. 178 five-st'y brick flat, tin roof; cost, $16,000; owner, Geo. W. Folsom, Lenox, Mass.; architect, James M. Farnsworth, Temple Ct.

One Hundred and Twenty-fourth St., s s, 75′ w Lenox Ave., 3 five-st'y brick flats, tin roofs; cost, $42,000; owner, Timothy Flood, 82 West One Hundred and Fifth St.; architect, Fr. S. Barus, 543 East One Hundred and Thirty-fourth St.

One Hundred and Twenty-first St., Nos. 436-438, 2 five st'y brick flats, tin roofs; cost, $44,000; owner, Christian Biersack, 502 East One Hundred and Eighteenth St.; architect, Herman Horenburger, 99 East Third St.

Morton St. Nos. 47-49, seven-st'y brick flat, tin roof; cost, $100,000; owner, Mrs. M. E. McLaughlin, 1795 Third Ave.; architect, Fred. Ebeling, 3 Third Ave.

Park Ave., s w cor. Ninety-third St., 5 five-st'y brick flats, tin roofs; cost, $102,000; owners, Downey & Curry, 240 East One Hundred and Fifteenth St. and 715 Tenth Ave.; architect, Alex. I Finkle, Broadway and Spring St.

Seventy-seventh St., n s, 70′ w Madison Ave., 4 four-st'y brick flats, mansard, tin and slate roofs; cost, $48,000; owner, George W. Bashford, Yonkers, N. Y.; architects, Hubert Pirsson & Hoddick, 19 East Twenty-eighth St.

FACTORIES.

Chicago, Ill.—E. O. Hare, two-st'y factory, Ashland Ave. and Fifty-third St.; cost, $2,000.

Raymond Ringwald, two-st'y factory and engine-house, 481-493 Twenty-second St.; cost, $6,000.

L. A. Budlong, pickle factory and barn, Foster and Lincoln Sts.; cost, $4,000.

James L. Campbell, six-st'y factory, 418-420 Dearborn St.; cost, $60,000.

St. Louis, Mo.—Seven-st'y brick factory; cost, $50,000; owner, James G. Butler; sub-let.

Two-st'y brick factory; cost, $5,025; owners, J. Krag & Son; contractor, H. B. Schmitz.

One-st'y brick factory; cost, $10,000; owners, G. V. Brecht Supply Co.; sub-let.

HOSPITALS.

Philadelphia, Pa.—*Cherry St.*, n s, w Seventeenth St., five-st'y hospital building; contractor, A. H. Williams, 402 Tenor Pl.

HOTELS.

Boston, Mass.—*Commonwealth Ave., No.* 186, Ward 1, six-st'y brick hotel, mansard roof, 52′ x 90′; owners, H. I. McKay, F. W. Smith and A. I. Croll; builders, McKay & Smith.

Chicago, Ill.—Hotel Metropole, six-st'y hotel, 2300 to 2308 Michigan Ave.; cost, $500,000.

HOUSES.

Boston, Mass.—*East Third St., No.* 748, Ward 14, frame dwell., 22′ x 60′; owner, R. McCormick; builder, John Nolan.

Ashmont St., near Alban St., Ward 24, three-st'y frame dwell., pitch roof, 31.4′ x 34.2′; owner, Mrs. S. E. W. Smith; builder, M. C. Brownell.

Cooper St., near Wordsworth St., Ward 1, one-st'y frame dwell., 21′ x 37′; owner, Ada F. Pierce; builder, L. A. Pierce.

Burnett St., near Washington St., Ward 23, frame dwell., 21′ x 49′; owner, J. P. Haynes; builder, J. F. Haynes.

Monroe St., No. 40, Ward 21, three-st'y frame dwell., flat roof, 37′ x 62′; owner, Hugh G. Brown.

Albano St., near Washington St., Ward 23, frame dwell., 27.10′ x 37.4′; owner, R. Codman, Jr.; builder, James Jackson.

East Fourth St., No. 772, Ward 14, two-st'y frame dwell., hip roof, 37.6′ x 42′; owner, Miss M. A. Gilfether; builder, D. J. Smith.

Beacon St., No. 454, Ward 11, five-st'y brick dwell., flat roof, 26′ x 76′; owner, F. B. Rice; builder, L. D. Willcut.

Brooklyn, N. Y.—*Cleveland St.*, e s, 100′ s Arlington Ave., two-st'y and attic frame dwell., tin roof; cost, $3,400; owner, Chas. E. Bevington, Arlington Ave.; architect, Jas. I. Newman, Warwick St.

Watkins St., w s, 100′ s Lavonia Ave., 4 two-st'y frame dwells., tin roofs; cost, each, $1,500; owner, James O'Halloran, Watkins St.; architect, Charles W. Thompson, 2123 Bergen St.

Ridgewood Ave., n s, 75′ e Cleveland St., two-st'y frame dwell., tin roof; cost, $3,000; owner, Wm. Strom, 288 Marcy Ave.; architect, Chas. Infanger, 68 Van Siclen Ave.

Arlington Ave., n s, 80′ w Warwick St., two-st'y and attic frame dwell., shingle roof; cost, $4,800; owner, Fred. J. Swift, 2921 Atlantic Ave.; architect, Wm. Danmar, 2921 Atlantic Ave.

Morgan Ave., w s, 70′ n Harrison Pl., two-st'y and attic frame pastoral dwell., tin and shingle roof; cost, abt. $4,000; owners, Roman Catholic Church of Our Lady of Sorrows, on premises; architect, F. J. Berlenbach, Jr., 260 Graham Ave.

St. Mark's Ave., s s, 160′ w Bedford Ave., 4 three-st'y and basement brick dwells., gravel roofs; cost, each, $6,000; owner, Mary E. Fowler, 181A Halsey St.; architect, Frank W. Fowler, 637 Prospect Pl.

Green Ave., s s, 200′ e Throop Ave., 2 three-st'y and basement brick dwells., tin roofs; cost, each, $6,000; owner, David S. Beasley, 527 Van Buren St.; architects, J. D. Reynolds & Son, 363 Fulton St.

Quincy St., s e cor. Throop Ave., four-st'y brick dwell., gravel roof; cost, $6,500; owner, Mrs. Miller, 299 Sumner Ave.; architect, J. G. Glover, 186 Remsen St.

Rutledge St., n s, 200′ e Wythe Ave., 3 three-st'y brick dwells., tin roofs; cost, $6,000; owner, Peter Commerford, 67 Rodney St.; architects, J. D. Reynolds & Son, 363 Fulton St.

Sherlock Pl., e s, 30′ n Atlantic Ave., three-st'y brick dwell., tin roof; cost, $4,500; owner, John Kehoe, 2158 Fulton St.; architect, John E. Dwyer, 1540 Broadway.

Union St., n s, 100′ w Eighth Ave., 3 seven-st'y brick dwells., slate and gravel roofs; cost, $100,000; owner and architect, E. G. Gollner, 308 Sixth Ave.

Greene Ave., s s, 400′ w Tompkins Ave., 3 three-st'y and basement brick dwells., tin roofs; cost, each, $6,000; owners, R. C. Addy and F. P. Lanhort, 582 Greene Ave.; architect, R. C. Addy, 582 Greene Ave.

South Ninth St., Nos. 178-180, 100′ w Sixth Ave., 2 four-st'y brick dwells., tin roofs; cost, each, $10,000; owner, Christian Friedman, 174 South Ninth St.; architect, Chas. Rentz, 153 Fourth Ave., New York.

Bergen St., s s, 310′ w Kingston Ave., 5 three-st'y and basement brick dwells, tin and slate roofs; cost, $50,000; owners and builders, Theo. Dingeldien & Co., 16 Court St.; architect, John Mumford, 16 Court St.

Decatur St., n s, 80′ w Sumner Ave., 3 two-and-one-half-st'y and basement brick dwells., tin roofs; cost, $18,000; owner, Hannah E Stoutenburg, 391 Jefferson Ave.; architect, John L. Young, 287 Halsey St.

Macon St., n s, 260′ w Patchen Ave., 2 two-st'y and basement brick dwells., tin roofs; cost, each, $4,800; owner, Mary A. Burrows, 622 Greene Ave.; architects, J. D. Reynolds & Son, 363 Fulton St.

Macon St., n s, 200′ w Patchen Ave., two-st'y and basement brick dwells., tin roofs; cost, $5,000; owner, Mary A. Burrows, 622 Greene Ave.; architects, J. D. Reynolds & Son, 363 Fulton St.

Bleecker St., s s, 196′ e Evergreen Ave., 4 three-st'y frame dwells., tin roofs; cost, $3,500 each; owners, Gastmeyer & Francisco, Bleecker St.

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Hancock St., n s, 100' w Marcy Ave., 2 three-and-one-half-st'y brick dwells., tin and slate roofs; cost, $13,000 each; owner, S. E. C. Russell, 58 Hancock St.; architect, F. B. Langston, 1225 Bedford Ave.

South Fifth St., s s, 150' w Bedford Ave., four-st'y brick dwell., tin roof; cost, $19,000; owners, Doenecke Bros., South Fourth St.; architect, Frank Holmberg, 1161 Broadway.

Bushwick Ave., s w cor. Van Voorhis St., 2 three-st'y frame dwells. and stores, tin roofs; cost, $10,000; owner, Philip Steingotter, 1379 Bushwick Ave.; architect, Th. Engelhardt, 905 Broadway.

Chicago, Ill.— C. L. Hammond, two cottages, Houston St., near Eightieth St.; cost, $3,000.

Mrs. C. A. Hudson, two-st'y dwell. and barn, 6560 Harvard St.; cost, $10,000.

C. P. Johnson, 2 two-st'y dwells., Rosenmerkel St., near Wright St.; cost, $3,200.

Mrs. C. Howard, two-st'y dwell., Commercial St., near Laurence St.; cost, $2,400.

Becker & Alert, two-st'y dwell., Laflin and Fifty-third Sts.; cost, $2,400.

James Gaynes, 4 two-st'y dwells., Fortieth Pl., near Park Ave.; cost, $6,200.

William Byrn, two-st'y dwell., Perry Ave., near Seventy-second St.; cost, $4,000.

G. J. Case, two-st'y dwell., 7001-03 Sherman St.; cost, $9,000.

G. J. Case, three-st'y dwell., Seventy-ninth St., near Goldsmith Ave.; cost, $5,000.

Bogue & H yt, four cottages, Paulina St., bet. Fifty-sixth and Fifty-eighth Sts.; cost, $3,500.

Edgar L. Jaynes, three-st'y dwell., 5419 Ridgewood Ave.; cost, $5,000.

W. E. Mortimer, three-st'y dwell. and barn, 1261 Washington Boulevard; cost, $11,000.

G. S. Trevett, four cottages, 3311-17 Leavitt St.; cost, $4,000.

E. J. Bronson, two-st'y dwell., 1015 Gross Ave.; cost, $2,000.

C. B. Shourds, two-st'y dwell., 104-106 Forty-fifth St.; cost, $6,000.

Alfred Blondin, three-st'y dwell., 189 South California Ave.; cost, $5,000.

James McClelland, two-st'y dwell., Ashland Ave. and Sixty-ninth St.; cost, $2,000.

James M. McClelland, two-st'y dwell., Sixty-ninth and Page Sts.; cost, $5,000.

John Tracey, two-st'y dwell., Forty-eighth St. and Austin Ave.; cost, $2,500.

Erving, Mass.—Eight-room frame dwell.; cost, abt; $3,500; owner, Geo. E. Monroe, contract to be let; architect, G. Wilton Lewis, Boston.

Holyoke, Mass.—W. H. Wilson, dwell.; cost, $6,000; architects, Thorpe Bros.

Maplewood, Mass.—*Myrtle St.*, eight-room frame dwell.; cost, abt. $3,500; owner, John Taylor; contract to be let; architect, G. Wilton Lewis, Boston.

BUILDING INTELLIGENCE.

Eight-room frame dwell.; cost, abt. $3,500; owner, E. P. Osgood; contract to be let; architect, G. Wilton Lewis, Boston.

Minneapolis, Minn.—James A. Paige, frame dwell., 1412 Yale Pl.; cost, $10,000.

A. D. Aldrich, frame dwell., 3248 South Bryant Ave.; cost, $4,500.

C. P. Smith, two frame dwells., 2700-04 Humboldt Ave., s; cost, $14,000.

F. C. Barrows, two frame dwells., 315-317 Sixth St., s e; cost, $4,000.

L. H. Stevens, frame dwell., 624 Seventeenth St.; cost, $4,000.

M. A. Wells, frame dwell., 518 West Nineteenth St.; cost, $5,000.

New York, N. Y.—*Seventy-fourth St.*, n s, 400' w Ninth Ave., 7 four-st'y brick dwells., tin roofs; cost, $203,000; owner, Mathew Clark, 1075 Tenth Ave.; architect, E. L. Angell, 94 Liberty St.

East One Hundred Twenty-eighth St., No. 14, three-st'y brick dwell., tin roof; cost, $18,000; owners, Louis Block & Tryon, 150 West Ninety-fifth St.; architect, A. W. Brunner, 24 West Twenty-fifth St.

One Hundred and Fiftieth St., n w cor. Edgcomb Ave., two-st'y brick dwell., peak tile roof; cost, $25,000; owner, Nicholas C. Benzinger, Yonkers, N. Y.; architects, Wm. Schickle & Co., 246 Fifth Ave.

Twelfth Ave., s w cor. Seventy-seventh St., three-st'y brick dwell., tin roof; cost, $10,000; owner, Margaret O'Brien, One Hundred and Forty-third St. and Eighth Ave.; architect, Will A. O'Hea, 330 West One Hundred and Forty-fifth St.

Philadelphia, Pa.—*Fifty-fifth St.*, w s, s Jefferson St., 14 two and three st'y dwells.; owners, Hunter & Nock, Drexel Building.

Hunter's La., n s, w Fifty-fifth St., 4 two-st'y dwells.; owners, Hunter & Noch, Drexel Building.

Chelten Ave., n s, e Chew St., three-st'y dwell.; contractor, W. D. Greeves, 64 East Chelten Ave.

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Rover St., ab. Abington Ave., two-st'y dwell.; contractors, Collom & Watt, Willow Grove Ave.

Mt. Peace Cemetery, two-st'y dwell.; contractor, Wm. C. Haddock, 2219 East York St.

Frankford Ave., w s, s Buckins St., three-st'y dwell.; contractors, Flood & Anderson, Trenton Ave., s Venango St.

Cottage St., e s, s Comly St., three-st'y dwell.; contractors, Ploucher & Shock, Wissinoming.

Penn St., w s, s Harrison St., two-st'y dwell.; contractor, Wm. S. Roberts, 4915 Penn St.

Funk St., n s, w Jackson St., dwell.; contractors, Lukings & Rhoads, Funk and Jackson Sts.

Reese St., e s, n Wolf St., 9 two-st'y dwells.; contractor, Wm. J. Ross, 1231 South Twenty-first St.

Gowan Ave., s s, near Reading R. R., three-st'y dwell.; contractors, Thos. W. Wright & Son, 7 Harvey St.

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Tioga St., n s, e Twenty-third St., 12 three-st'y dwells.; owner, A. M. Zane, 806 Walnut St.

Brunner St., n s, w Wayne St., 5 two-st'y dwells.; owners, McLaughlin & Co.

Salmon St., e s, s Clearfield St., 2 two-st'y dwells.; owner, Wm. Bodkin, 2933 Richmond St.

Orleans St., w s, n Ruth St., two-st'y dwell.; owner, D. Whinney, 2506 Emerald St.

Anderson St., s s, w Limekiln Pike, two dwells.; owner, B. McGoldrick, Pittville.

Fox St., n s, *and Huntingdon St.*, 2 two-st'y dwells. and stores; owner, Michael O'Rourke, 2838 Frankford Ave.

Sixth St., s Tasker St., 2 three-st'y dwells.; owners, R. & A. Wilson, Jr., 1711 South Twentieth St.

Second St., w s, n Dailey St., 16 two-st'y dwells.; owner, James Killy, 2215 South Sixth St.

Union St., s s, Holmesburg, three-st'y dwell.; contractor, Charles Walton, Andalusia, Pa.

D St., s s, s Ontario St., two-st'y dwell.; contractor, John Brennan, 2823 D St.

Clay St., e s, n Church St., 2 two-st'y dwells.; contractors, C. J. Wallace & Son, 368 Green La.

Thirty-third St., e s, n Queen St., three-st'y dwell.; contractor, Charles E. Bartle, Thirty-third St. and Lehigh Ave.

St. Louis, Mo.—Two-st'y brick dwell.; cost, $5,000; owner, Jno. Duffy; contractors, Wm. Cochrane & Son.

Two-st'y brick dwell. and store; cost, $3,500; owner, A. Meyer; contractor, H. Lothman.

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Two-st'y brick dwell.; cost, $7,200; owner, Dr. A. Flickenger; contractor, J. H. Dunlap.

Two-st'y brick dwell.; cost, $6,800; owner, N. W. Perkins; contractor, James Guedry.

Three-st'y brick dwell.; cost, $22,000; owner, F. W. Humphery; contractor, James Guedry.

Two-st'y brick dwell.; cost, $9,000; owner, J. N. Booth; contractor, H. R. Becker.

Two-st'y brick dwell.; cost, $3,000; owner and contractor, Herman Schweir.

Two-st'y brick dwell.; cost, $2,543; owner, Henry Verrell; contractor, J. L. Kribuert.

Two-st'y brick dwell.; cost, $11,000; owner, Wm. L. L. Hull; contractor, S. M. Ross.

Two-st'y brick dwell.; cost, $25,000; owner, W. L. Huse; contractor, F. S. Greene.

Two-st'y brick dwell.; cost, $3,400; owner and contractor, W. H. Frantz.

Two-st'y brick dwell.; cost, $2,800; owner, J. Gutweiler; sub-let.

Two adjacent two-st'y brick dwells.; cost, $6,500; owner, Samuel Hamilton; contractor, Aug. Fenner.

Topeka, Kan. — Dwell. for Dr. G. W. Hageboom; cost, $15,000; architects, Perkins & Adams.

Dwell. for Dr. C. H. Guibar; cost, $5,000; architects, Perkins & Adams.

Two-st'y pressed-brick and red Colorado sandstone dwell. and store-building, steep roof, cor. Fourth and Jackson Sts.; cost, $9,000; owner, John Kaczynski, Esq.; architects, Perkins & Adams.

OFFICE-BUILDINGS.

New York, N. Y. — *College Pl., Nos.* 43-45, five-st'y brick office-building, tin roof; cost, $15,000; owner, Anna E. Leayeraft, 183 Halsey St., Brooklyn, Kings Co.; architect, Ralph S. Townsend, 1300 Broadway.

St. Louis, Mo. — Eleven-st'y brick office-building; cost, $700,000; owners, Security Building Co.

Temple, Tex. — Division Headquarters' offices; cost, $10,000; architects, Perkins & Adams, Topeka, Kan.

RAILROAD BUILDINGS.

Boston, Mass. — *Central St.*, Ward 23, one-st'y brick central station, pitch roof, 55′ x 62′, for Old Colony R. R. Co.; builder, Joseph Ross.

Boylston and Lamartine Sts., Ward 23, one-st'y brick station, pitch roof, 55′ x 62′; owner, Old Colony R. R.; builder, Joseph Ross.

Philadelphia, Pa. — *Mount Moriah*, Sixty-third St., two-st'y railroad station; contractors, E. Brady & Son, 1111 Cathedral St.

SCHOOL-HOUSES.

Chicopee, Mass. — Two-st'y brick high-school, with tower; cost, $18,000; contract not let; architect, F. R. Richmond, Springfield, Mass.

Maple Hill, Kan. — School-building; cost, $3,000; architect, Seymour Davis, Topeka, Kan.

Philadelphia, Pa. — *Locust St.*, n s, w Thirty-ninth St., two-st'y school-house; contractor, George W. Hopkins, 1432 Vine St.

St. Louis, Mo. — Three-st'y brick medical college; cost, $35,000; owners, St. Louis College of Physicians; contractor, Phil. Riechers.

Four-st'y brick college; cost, $30,000; owners, Marion Sims Medical College; contractor, A. E. Cook.

Topeka, Kan. — Seymour Davis has plans for the new University of Topeka, a Methodist college; two stories high; slow-burning construction. The foundation and excavation have been let for the sum of $7,000; total cost, $150,000.

STABLES.

Boston, Mass. — *Saratoga St.*, near Winthrop Junction, one-st'y frame stable, pitch roof, 21′ x 25′; owner, Mary E. Westgate; builder, G. C. Doyle.

Boylston St., No. 74, *rear*, Ward 23, one-st'y frame stable, pitch roof, 20′ x 30′; owner, Patrick Doyle; builder, G. A. Cahill.

Brooklyn, N. Y. — *Vanderbilt Ave.*, e s, 280′ 9″ s Lafayette Ave., two-st'y brick private stable, with coachman's rooms, felt and gravel roof; cost, $9,000; owner, Samuel A. Wood, 372 Clinton Ave.; architect, John Mumford, 16 Court St.

Cincinnati, O. — C. Landberger, three-st'y stable, St. Clair Alley; cost, $3,500; architects, G. & A. Brink, Cincinnati Transfer Co., two-st'y stable, Plum St.; cost, $5,500; architect, Sam S. Godley.

New York, N. Y. — *Sixty-eighth St.*, s s, 175′ w Tenth Ave., 3 three-st'y brick stables, tin roofs; cost, $21,000; owner, F. G. Boune, Seventy-second St. and Eighth Ave.; architect, Geo. H. Griebel, 229 West One Hundred and Twenty-fourth St.

Fifty-second St., s w cor. Fourth Ave., two-st'y brick stable, tin roof; cost, $5,000; owner, R. C. Orphan Asylum, 40 East Sixty-eighth St.; architects, Wm. Schickle & Co., 246 Fifth Ave.

Seventieth St., n s, 125′ w Eighth Ave., two-st'y brick stable, tin roof; cost, $11,000; owner, Wm. B. Baldwin, 11 West Seventy-fourth St.; architect, Geo. F. Pelham, 148 Broadway.

Philadelphia, Pa. — *Fifteenth St.*, w s, n Huntingdon St., two-st'y stable; owners, Real Estate Improvement Co., 331 West Chelten Ave.

Palethorp St., e s, n Berks St., two-st'y stable; owner, Charles Schoff, 924 Lehigh Ave.

Hagermans St., w s, s Longshore St., two-st'y stable; owner, A. M. Dwyer, Longshore and Hagerman Sts.

Frankford Ave., e James St., two-st'y stable; owner, Thomas Waters, 4641 Melrose St.

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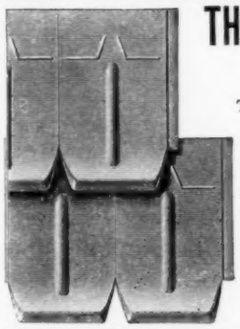

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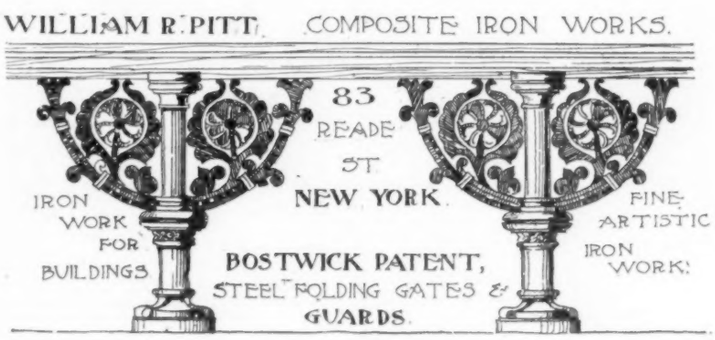

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Twenty-eighth St., e s, n Oxford St., two-st'y stable; contractor, Charles D. Hill, 1511 North Twenty-seventh St.

Hunting Park Ave., n s, e Twentieth St., two-st'y stable and carriage-house; contractors, McLaughlin & Co., 3887 Clinton St.

Germantown Ave., *No.* 5176, two-st'y stable; owner, H. H. Buzby, 5258 Main St.

Franklin St., e s, n Dyse, two-st'y stable; contractor, Benjamin Clarke, Crestonville.

South Second St., *No.* 925, *rear*, two-st'y stable; owner, Chas. Wagner, 925 South Second St.

St. Louis, Mo.—Two-st'y brick stable; cost, $3,500; owners, St. Vincent Orph. Asyl; contractor, B. Koesters.

BUILDING INTELLIGENCE.

STORES.

Boston, Mass.—*Cambridge St.*, *No.* 62, cor. Highland Ave., Ward 25, one-st'y frame store, flat roof, 34′ x 50′; owners, C. W. & T. A. Davis; builder, C. A. Prouty.

North Russell St., *No.* 29, Ward 11, four-st'y brick store and hall, flat roof, 36.10′ x 61′, for Grand United Order Odd Fellows.

Minneapolis, Minn.—Jno. Kelley, stores and offices, 1914-18 South Franklin Ave.; cost, $7,500.

New York, N. Y.—*Prince St.*, *No.* 56, six-st'y brick store and warehouse, tin roof; cost, $20,000; owner, Denison P. Cheseboro, Boulevard and One Hundred and Sixty-seventh St.; architect, Max Hensel, 204 East Ninety-sixth St.

Philadelphia, Pa.—*Richmond St.*, *No.* 2526, three-st'y store and dwell.; contractor, A. McClay, 3028 Richmond St.

Shurs La., opp. Freedland St., three-st'y store and dwell.; owner, Robert L. Abbott, 110 Seville St.

Sixth St., e s, s Tasker St., 2 three-st'y stores and dwells.; owners, R. & A. Wilson, Jr., 1711 South Twentieth St.

Twelfth St., e s, s McKean St., three-st'y store and dwell.; owner, Thos. H. Hay, 1439 South Twentieth St.

Ridge and Colies Aves., three-st'y store and dwell.; owners, Jas. H. Stevenson & Son.

Ridge Ave. and Stanley St., three-st'y store and dwell.; owners, Jas. H. Stevenson & Son.

Fifth St., s e cor. Ontario St., 4 three-st'y stores and dwells.; contractor, Danl. Neveling, 2506 Mascher St.

Twenty-third St., e s, n Berks St., three-st'y store and hall; contractor, Wm. A. Archer, 1916 North Twenty-second St.

Race St., *No.* 410, five-st'y store and office; contractors, J. E. & A. L. Pennock, 305 Walnut St.

North Twentieth St., *No.* 1608, two-st'y store; contractor, J. H. Jordan, Twenty-third and Jefferson Sts.

Tioga St. and Germantown Ave., one-st'y store; contractor, Benjamin Walker, 3853 Germantown Ave.

Jefferson St., n s, w Thirteenth St., three-st'y shop; contractor, P. H. Somerset, 1513 North Twelfth St.

Belmont Ave., *No.* 1014, one-st'y store; contractor, Wm. Biern, Forty-fourth St. and Westminster Ave.

St. Louis, Mo.—Two-st'y brick store and dwell.; cost, $3,000; owner, G. Pape; contractor, A. Wieden.

Two-st'y brick store and dwell.; cost, $6,500; owner, H. Struss; contractor, P. Folck.

Three-st'y brick store and dwell.; cost, $9,000; owner, Mrs. Schumker; contractor, H. Pitcher.

Three-st'y brick store and dwell.; cost, $8,000; owner, J. A. Nies; contractor, A. Wieden.

Two-st'y brick store and dwell.; cost, $7,000; owner, F. Lammersick; contractor, Wm. Klute.

Two-st'y brick store; cost, $5,000; owner, F. Westhus; contractor, G. Neumeister.

TENEMENT-HOUSES.

New York, N. Y.—*One Hundred and Eighty-seventh St.*, s s, 75′ e Arthur Ave., three-st'y brick tenement, tin roof; cost, $7,000; owner, Joseph Farilla, 2163 First Ave.; architect, J. Averill Webster, 110 East One Hundred and Twenty-fifth St.

Eighth Ave., w s, 18′ 3″ n Twenty-eighth St., five-st'y brick tenement, tin roof; cost, $12,000; owner, Peter Vollmer, 1659 Madison Ave.; architect, James W. Cole, 403 West Fifty-first St.

One Hundred and Forty-eighth St., n s, 125′ e Brook Ave., four-st'y brick tenement, tin roof; cost, $12,000; owner, Michael Kirchner, One Hundred and Forty-eighth St. and Brook Ave.; architect, Adolph Pfeiffer, 534 Willis Ave.

One Hundred and Sixty-first St., n s, 118′ 9″ w Trinity Ave., four-st'y brick tenement, tin roof; cost, $8,000; owner, S. J. Owens, 887 Trinity Ave.; architect, J. H. Valentine, 247 West One Hundred and Twenty-fifth St.

Willis Ave., e s, 25′ s One Hundred and Thirty-eighth St., 3 five-st'y brick tenements, tin roofs; cost, $42,000; owner, P. H. McManus, 324 West One Hundred and Fifteenth St.; architect, J. Averill Webster, 110 East One Hundred and Twenty-fifth St.

East Sixteenth St., *No.* 339, five-st'y brick tenement, tin roof; cost, $10,000; owner, Stuyvesant F. Morris, 16 East Thirtieth St.; architect, Emlen T. Littel, 54 William St.

East Sixteenth St., *No.* 337, five-st'y brick tenement, tin roof; cost, $14,000; owner, Stuyvesant F. Morris, 16 East Thirtieth St.; architect, Emlen T. Littel, 54 William St.

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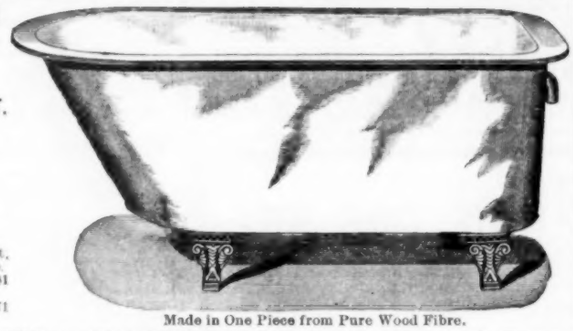

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BUILDING INTELLIGENCE.

Fourth St., s s, abt. 76' w Cornelia St., five-st'y brick tenement, tin roof; cost, $10,000; owner, Wm. Rankin, 253 West Fifty-first St.; architect, George Keister, 55 West Thirty-third St.

Eighth Ave., w s, 36' 6" n Twenty-eighth St., and Seventy-sixth St., 99' s Twenty-ninth St., 2 five-st'y brick tenements, tin roofs; cost, $26,000; owner, John H. Woods, 351 West Thirty-fourth St.; architect, James W. Cole, 403 West Fifty-first St.

THEATRES.

Brooklyn, N. Y.—*Fulton St., Nos.* 434-436, four-st'y brick theatre, roof garden, offices and lodge-rooms, tin roof; cost, $65,000; owner, Alexander Hermann, 242 West Forty-second St., New York; architect, John D. Allen, 1017 Chestnut St., Philadelphia.

WAREHOUSES.

Philadelphia, Pa.—*Germantown Ave.*, s Coulter St., two-st'y warehouse; owner, Nathan Marple at place.

St. Louis, Mo.—Seven-st'y brick warehouse; cost, $135,000; owners, Saml. Cupples R. E. Co.; contractor, C. E. Clark.

Seven-st'y brick warehouse; cost, $180,000; owners, Samuel Cupples Real Estate Co.; contractor, L. H. Bright.

MISCELLANEOUS.

Boston, Mass.—*Blossom, Allen and Charles Sts.*, Ward 8, one-st'y iron studio, flat roof, 11' x 24', for Massachusetts General Hospital; builder, H. Hathaway.

Grove St., rear, near Dedham line, Ward 23, one-st'y stone mortuary chapel, 21.6' x 27', for Ind. Sons of Benjamin; builder, F. J. Slatkin.

Chicago, Ill.—M. Lassing Bridge Iron Works, one-st'y shop, Wrightwood and Clybourn Aves.; cost, $6,000.

Hain & Ridgeway, two-st'y planing-mill, Twenty-second, Laflin and Loomis Sts.; cost, $2,000.

P. W. Snowhook, one-st'y hall, 154 Warren Ave.; cost, $4,000.

E. F. Kenly, machine-shop, 188-190 North Union St.; cost, $4,000.

Swift & Co., slaughter-house, tank-house and cooling-house, Fortieth St. and Packers Ave.; cost, $25,000.

Wright-Hill Oil Co., elevator, Twenty-second and Lumber Sts.; cost, $60,000.

Chicopee, Mass.—Stock company, two-st'y frame casino; cost, $8,000; contract not let; architect, F. R. Richmond, Springfield, Mass.

Cincinnati, O.—Wm. R. Teasdale, dyeing establishment, Walnut St. and Gano Alley; cost, $10,000; architects, Des Jardens & Hayward.

Detroit, Mich.—Martin Scholl & Son, two-st'y brick machine-shop, 209-213 Second St.; cost, $5,000.

Grand Rapids, Mich.—Three-st'y brick furniture factory and warehouse; owners, Stickley Bros., Birmingham, N. Y.; architect, W. G. Robinson.

Palmer, Mass.—Brick memorial hall, Pleasant St.; architect, R. H. Robertson.

Philadelphia, Pa.—*Wistar Farm*, club-house; contractors, Wm. Wright & Son, 7 Harvey St.

Oxford St., No. 314, one-st'y shop; contractor, Wm. Beattie, 2621 Germantown Ave.

Arch St., No. 3307, one-st'y play-house; owner, J. C. Goodman, 3307 Arch St.

Thompson St., w s, n Cumberland St., two-st'y pottery; contractors, Einwechter & Hyzer, 1230 Montgomery Ave.

St. Louis, Mo.—Three-st'y brick power-house; cost, $52,000; owners, St. Louis R. R. Co.; contractors, R. W. Morrison & Co.

Two-st'y brick shop; cost, $12,000; owners, St. Louis I. & Mach. Co.; contractors, Kluto & Hildebrand.

Two-st'y brick bank; cost, $10,000; owner, Fairene Bankr contractor, F. Stottemeyer.

Toledo, O.—*Monroe and Water Sts.*, two-st'y brick and stone power-building for Consolidated St. R. R. Co.; cost, abt. $8,000; architects, Bacon & Huber.

Vernon, Conn.—Three-st'y brick almshouse and reservoir; cost, $14,000.

COMPETITIONS.

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The Board of Directors of the Odd Fellows Temple Company of Cincinnati, invite competition in the preparation of sketches for the Odd Fellows Temple to be erected on a lot at the northwest corner of Seventh and Elm Streets, fronting 124 feet on Seventh by 156 feet on Elm Street.

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SCHOOL-HOUSE.

[At Pineville, Ky.]

PINEVILLE, KY., June 12, 1890.

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PROPOSALS.

June 24, 1890. 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 July, 1890, for the wood sheathing and copper covering of roof, copper gutter linings, flashings, etc., and skylights required for the United States Court-House and Post-Office, etc., building at Denver, Col., 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 $100. The Department will reject all bids received after the time fixed for opening the same; also, bids which do not comply strictly with all the requirements of this invitation. Proposals must be sealed and endorsed, "Proposal for the Wood Sheathing and Copper Covering of Roof, etc., and Skylights at Denver, Col.," and addressed to JAMES H. WINDRIM, Supervising Architect. 758

June 28, 1890. 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 July, 1890, for the iron stairways and iron-work of interior finish for the United States Court-House and Post-Office building at Pittsburgh, Pa., in accordance with 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 $300. The Department will reject all bids received after the time fixed for opening the same; also, all bids which do not comply strictly with the requirements of this invitation. Proposals must be sealed and endorsed "Proposal for Iron Stairways and Iron-work of Interior Finish for the United States Court-House and Post-Office building at Pittsburgh, Pa.," and addressed to JAMES H. WINDRIM, Supervising Architect. 759

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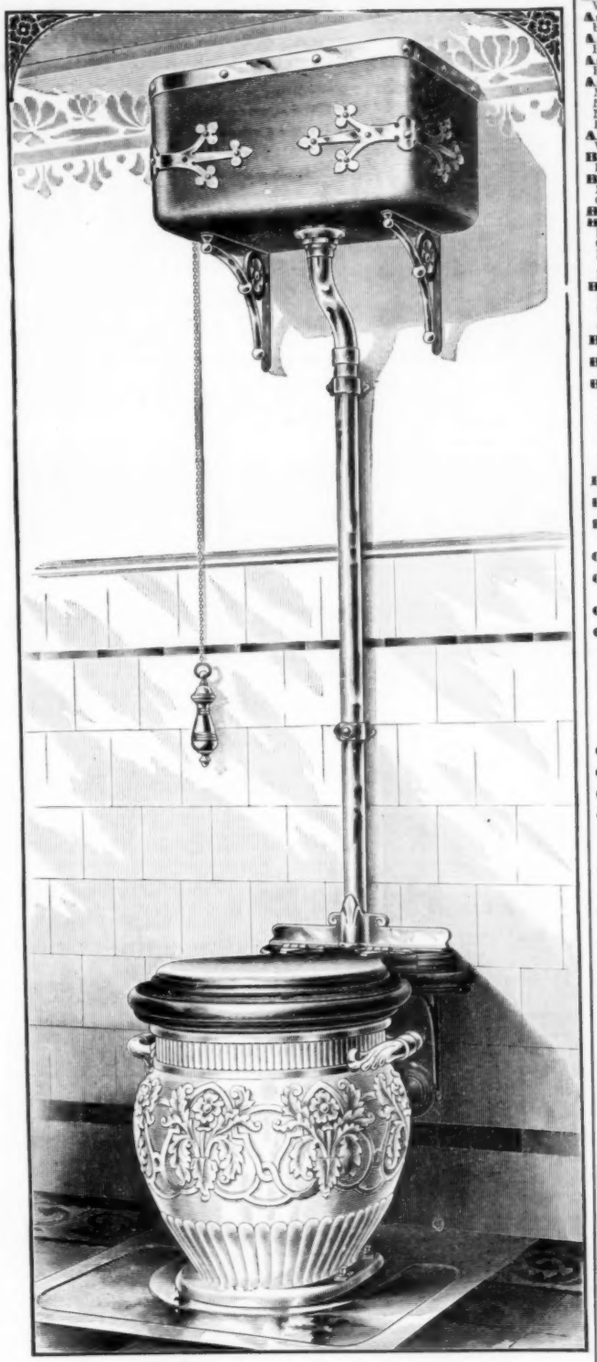

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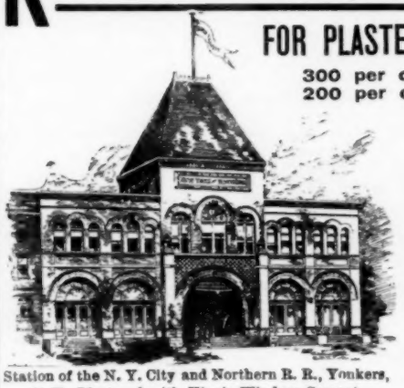

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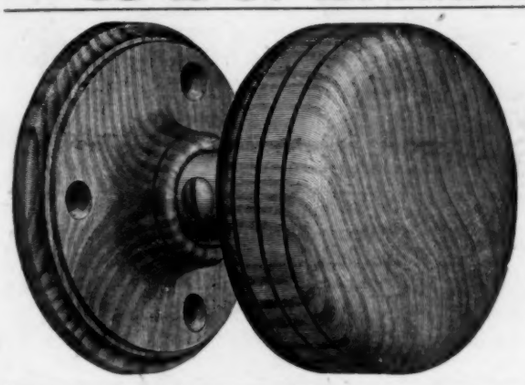

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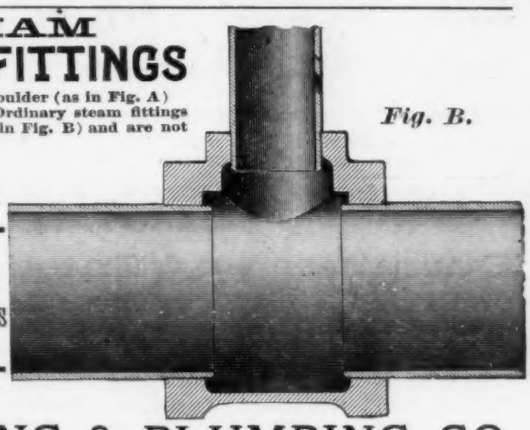

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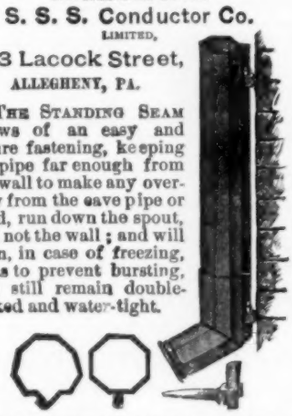

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The most reliable and economical article in the market for the purpose. GREAT TENSILE STRENGTH. Does not corrode; does not lose its vitality by continuous use, or exposure to the elements; runs over any pulley, and gives satisfaction wherever it is used. Fixtures made of steel wire, is very simple and easily applied. Prices very low. Samples sent to any architect in the United States, free, on application. Now in use in State House, Hartford; Providence City Hall; Singer Building, Chicago; J. C. Flood's, Menlo Park, Cal.; Vancornlear and Florence Flats, New York; Boreel Building, New York; new State, War and Navy Departments, and Patent Office, Washington, D. C., *Herald* Building, Boston, and very many other fine buildings in all parts of the United States.

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BUILDING MATERIALS.

	New York.	Boston.	Chicago.	Philadelphia.
LUMBER.—₱ M.	(*Wholesale Prices.*)		(*Price 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	@ 25 00	13 00 @ 25 00	*Not sold.*	16 00 @ 20 00
Hemlock	@ 13½ @ 14	13 00 @ 15 00	@ 12 00	11 25 @ 13 50
Yellow pine	20 @ 40	25 00 @ 35 00	29 00 @ 37 00	14 00 @ 29 00
Cypress	@	32 00 @ 40 00	@	@ 35 00
Clapboards:				
Pine	@	40 00 @ 60 00	10 00 @ 22 00	14 00 @ 25 00
Spruce	@	25 00 @ 45 00	*Not sold.*	*Not Sold.*
Framing Timber:				
Pine			12 00 @ 15 00	25 00 @ 37 30
Spruce	14 00 @ 18 00	15 50 @ 20 00	*Not sold.*	16 00 @ 18 00
Hemlock	12 00 @ 16 00	14 00 @ 16 00	10 00 @ 13 00	13 00 @ 17 00
Yellow pine	18 00 @ 21 00	24 00 @ 35 00		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 ₱ 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 ₱ 125	1 40 @ 1 60	3 75 @ 4 00	6 00 @ 7 50	30" $35 @ 40; 24" 8 @ 21; 20" 35 @ 14
Cedar, split ₱ M	@	@	*Not sold.*	
Cedar, sawed "	@	2 00 @ 4 00	2 00 @ 2 35	
Cypress. Split...7 x 24. "	18 00 @ 20 00	5 00 @ 6 00	3 50 @ 4 00	11 00 @ 14 00
Miscellaneous:				
Piles ₱ ft.	4½ @ 5½	Piles 6c. ₱ 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 "	@	25 @ 50	*Not sold.*	30 @ 35
Finishing Woods: ₱ M. (*First Qual.* [*Kiln dried.*)				
Ash	@ 55 00	45 00 @ 60 00	20 00 @ 40 00	30 00 40 00
Cherry	80 00 @ 120 00	85 00 @ 120 00	80 00 @ 100 00	80 00 @ 100 00
Butternut	40 00 @ 60 00	60 00 @ 70 00	50 00 @ 60 00	70 00 @ 80 00
Hard-pine floors (rift)		50 00 @ 60 00		
Mahogany, Baywood [Mexican]	@ 180 00	150 00 @ 160 00	150 00 @ 200 00	150 00 @ 250 00
" St. Domingo	@ 350 00	120 00 @ 350 00	200 00 @ 250 00	200 00 @ 400 00
Maple	45 00 @ 50 00	45 00 @ 50 00	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 @ 80 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 ₱ lb.	@ 6		@ 7	
Spruce floors (clear, kiln-dried)		32 00 @ 35 00		
Walnut, black	125 00 @ 150 00	85 00 @ 120 00	55 00 @ 100 00	50 00 @ 170
Whitewood	45 00 @ 50 00	40 00 @ 45 00	18 00 @ 40 00	25 00 @ 40 00
Yellow pine ₱ M	@ 45 00	40 00 @ 42 00	29 00 @ 40 00	27 50 @ 45 00

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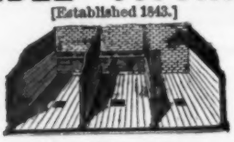

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BUILDING MATERIALS.

Reported for the American Architect and Building News.

	New York. (Wholesale Prices.)	Boston. (Prices to Builders and Contractors.)	Chicago.	Philadelphia.
BRICK. — ₱ M.				
Common: *Cargo afloat.*				
Pale	2 50 @ 3 25	Eastern 9 00 @ 10 00	Building Brick @ 6 50	Sq. Hard @ 12
Jersey	4 00 @ 5 50	Bay State Hard 9 00 @ 10 00		" @ 9 00
Long Island	5 50 @ 6 00	Domestic Com. 9 50 @ 10 00	Indiana Pressd 14 00 @ 20 00	Salmon @ 6 00
Up River	4 50 @ 5 50	Domestic Face 20 00 @ 22 00	St. Louis Fronts @ 27 00	Sq. " @ 9 00
Haverstraw Bay 2nd	5 00 @ 5 50	Philadelphia 40 00 @ 45 00		Light Street chers @ 12 00
" 1st	5 75 @ 6 25	Phila. mould 50 00 @ 80 00	15 00 @ 27 00	Medium " @ 14 00
Hollow	@ 13 00	Anderson 14 00 @ 32 00	65 00 @ 350 00	Red " @ 15 00
Fronts			@ 55 00	Dark " @ 15 00
Croton, Brown	14 00 @ 15 00		45 00 @ 50 00	Pressed 22 00 @ 26 00
" dark	15 00 @ 16 00		45 00 @	Best Paving @ 16 00
" red	15 00 @ 16 00		25 00 @	Second " @ 14 00
Chicago pressed (Anderson)			60 00 @ 100 00	Third " @ 13 00
Chicago Moulded			30 @	
Baltimore	7 00 @ 41 00		35 @	
Philadelphia	@ 22 00		55 00 @ 65 00	Dom. @ 65
Trenton	@ 22 00			@ 85
Milwaukee			@ 100 00	
Moulded:			@ 120 00	
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.—(₱ *cask.*)				
Rosendale Cement	90 @ 1 10	1 20 @ 1 40	*Not Sold.*	1 30 @ 50
Louisville "	*Not sold.*	Brooks, S. & Co 2 60 @ 3 00	1 05 @ 1 30	B & S.E. 275 @ 300
Utica, Akron, Buffalo, Milw'kee.	2 50 @ 3 00	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 25 @ 2 50	2 60 @ 3 00	3 00 @ 3 25	2 75 @ 3 00
" " Black Cross	2 50 @ 2 80	2 60 @ 3 00	3 00 @ 3 25	2 85 @ 3 15
" " (Burham)	2 65 @ 3 00	2 60 @ 3 00	2 90 @ 3 15	2 75 @ 2 85
" " (White's)	3 60 @ 3 75		3 00 @ 3 25	
" French (Lafarge)	2 90 @ 3 25	3 00 @ 5 00	3 75 @ 4 25	Hemmoor 2 50 @ 2 75
" German (Alsen)	2 25 @ 2 40	3 00 @ 3 50	@ 3 20	2 75 @ 2 85
" " (Fewer)	2 50 @ 2 90	3 15 @ 3 35	3 20 @ 3 40	Josson 2 50 @ 2 75
" " (Vorwohler)	@	Cleopatra 2 55 @ 3 00	@	3 00 @ 3 25
" " (Lagerdofer)	2 90 @ 3 25	3 00 @ 3 50	2 75 @ 3 00	2 75 @ 2 85
" " (Dyckerhoff)	2 50 @ 3 00		3 25 @ 3 50	
" " (Hanover)	2 35 @ 2 85	2 15 @ 2 50	*Not Sold.*	2 50 @ 2 75
" " Stettin, (Anchor)	2 15 @ 2 45	@ 3 00	*Not Sold.*	3 00 @ 3 50
" American (Saylor's)	2 75 @ 3 00	@ 6 00	2 75 @ 3 00	6 50 @ 7 00
Roman	5 75 @ 6 50	@ 11 50	2 75 @ 3 25	8 00 @ 9 00
Keene's coarse	9 25 @ 10 25		6 00 @ 7 00	
" superfine			9 @ 10 50	
Lime:	3 50 @ 4 00		*Not sold.*	White Lime 25 @ 30 ₱ bush
Lime of Teil	@ 1 45	@ 1 35	55 @	White Mass 1 25 @ 1 50
Hydraulic Lime		St. John 1 00	60 @	1 00 @ 1 00
Chicago Lime in bulk	@ 1 00	@ 1 05	*Not sold.*	
Wisconsin "	@ 1 20	@ 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.*	1 50 @ 2 25
Kelley Island Lime, finish	@ 1 10	*Not sold.*	*Not sold.*	1 75 @ 2 50
State, com. cargo rates (nom.)	1 20 @ 1 25	1 85 @ 2 00	1 85 @ 1 90	20 @ 25
State, finishing "	1 30 @ 1 35	@ 2 25	1 85 @ 1 90	30 @ 35
Plaster of Paris (calcined.)	12 @ 15	25 @ 30	30 @ 25	
" (casting)	22 @ 25	@ 30	30 @ 55	
Hair (Cattle) ₱ *bush*	1 60 @ 1 25	1 75 @ 1 90	@ 60	
" (Goat)				
Sand, ₱ *load*				
STONE. (₱ *cubic foot, rough.*)				
Granite: (*Maine*)	45 @ 1 25	@ 60		55 @ 63
Limestone:	@ 1 00	25 @ 1 00	50 @	75 @ 90
Bedford	@		35 @ 55	Richmond 75 @ 1 55
Joliet	@		35 @ 60	4 50 ₱ Perch
Lemont	@	10 50 per ton	@ 1 00	
Serpentine				

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BUILDING MATERIALS.	New York.	Boston.	Chicago.	Philadelphia.
	(*Wholesale Prices.*)	(*Prices to Builders and Contractors.*)		
Mortar Colors.				
Black, brown, buff ℔ lb	@ 2½			
Colorific ℔ lb	@ 2½			
Red	@ 3			
White ℔ bbl	@ 1 75			
Foundation:				
Dimension	@	5 00 ℔ ton	20@	@ 5 00
Block	@	4 60 ℔ perch		Conshocken
Rubble	@	1 25 @ 1 50	8 50 @	1 45 @ 2 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		95 @ 1 16
Kibbe	@ 90	90 @ 1 10		
Brown (Connecticut)	1 00 @	1 25 @ 1 45	1 50 ℔ cub. ft.	1 05 @ 1 35
Amherst } Ohio	90 @ 95	90 @ 1 00	45 @ 50	
Berea } Ohio	75 @ 1 00	80 @ 90	45 @ 55	55 @ 1 00
Berlin } Ohio	75 @ 1 00	80 @ 90	55 @ 65	
Belleville	80 @ 1 25	1 25 @ 1 35	@ 1 25	1 10 @ 1
New Brunswick (Dorchester)	@ 1 00	75 @ 90	"	1 00 @ 1
Caen	@	@ 2 00	"	1 25 @ 1
Carlisle. English	@ 1 05	@ 1 05		95 @ 1
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	350 @ 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*)	5 00 @ 6 00	4 75 @ 5 25	5 50 @ 6 10	2 30 @ 3 00
" green	5 00 @ 6 00	5 50 @ 6 50	6 50 @ 7 10	3 25 @ 3 75
" " unfading	5 00 @ 6 00	5 50 @ 6 50	6 50 @ 7 10	3 50 @ 4 50
" purple	@ 00 00	10 00 @ 11 00	12 00 @ 14 00	7 50 @ 10 25
" red	4 25 @ 4 75	@	6 25 @ 8 85	3 25 @ 4 00
" black, Lehigh	— @ —	@	7 30 @ 8 00	4 00 @ 4 65
" " Chapmans	5 50 @ 8 00	5 50 @ 8 0	6 00 @ 9 00	5 50 @ 8 00
" Unfading Black, Monson, Me.	@		*Not sold.*	@ 25 00
Tiles, Am. ℔ M				6 00 @ 6 75
N. Peach Bottom, warranted unfading				
PAINTS. (*In oil,* ℔ *lb.*)				
White lead, Am.	7 @ 7½	@ 7½	6½ @ 7	@ 7
" Zinc, "	5 @ 8½	@ 8	7 @ 10½	@ 7
Red lead, Am.,	6½ @ 7	@ 7½	6½ @ 7	@ 7
" Venetian	6 @ 10½	7 @ 12	1½ @ 2½	dry Eng. @ 8
" Vermilion	65 @ 70	72 @ 75 dry	65 @ 68	Eng. @ 66
Red Indian, Eng.	12 @ 20	12 @ 20	12 @ 20	6½ @ 7
Yellow Ochre	6 @ 12	7 @ 12	3 @ 15	dry Am. @ 1½
" Chrome	12 @ 20	18 @ 25	15 @ 25	@ 18
Green (chrome)	8 @ 13	8 @ 20	8 @ 20	@ 12
Green, Paris,	25 @ 40	25 @ 40	18 @ 35	" 20 @ 25
Black, lamp,	15 @ 22	15 @ 25	8 @ 30	@ 12
Blue, ultramarine	12 @ 18	18 @ 30	12 @ 35	@ 20
Oil, linseed, (raw) (℔ gal.)	60 @ 63	61 @ 62	57 @ 60	@ 58
" " boiled (℔ gal.)	63 @ 66	64 @ 65	61 @ 63	@ 61
Turpentine (℔ gal.)	40 @ 41	@ 47	51 @ 51	@ 50
Varnish, coach (℔ gal.)	@	1 50 @ 6 00	1 25 @ 2 00	@ 3 00
Shellac (℔ gal.)	@	2 50 @ 3 00	2 25 @ 4 00	@ 2 75
Putty ℔ lb	2 @	2 @ 4	02½ @	@ 2
Whiting ℔ cwt.	75 @ 1 00	1 @ 1½	1 @ 1½	@ 1
Paris white, (Eng.) ℔ cwt.	1 30 @ 2 00	2 @ 3	1½ @ 2	@ 1½
Litharge, Am. ℔ lb	5½ @ 6	@ 7½	6½ @ 7	@ 7
Sienna (burnt) ℔ lb	14 @ 20	14 @ 20	4 @ 16	@ 14
Umber, " ℔ lb	14 @ 20	14 @ 20	2 " 16	@ 12
HARDWARE.				
Nails: (*Per Cask.*) **Spikes,** (*wrought.*)	@ 2 85		2 75 @ 3 00	pr kg @ 2 25
10d. common	@ 2 60	@ 2 20	@ 2 35	@ 2 30
Shingle	@ 3 35	@ 2 30	@ 2 75	@ 2 60
Lath	@ 4 85	@ 3 5	@ 3 65	3 60 @ 4 75
Finishing nails according to size.)			Add .85 to $1.15	per lb 4 @ 6
(*For casing nails add 75c. per keg.)*			" .50 to .90	Add pr cask
Butts: 4"x 4" (℔ 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 ℔ pair.)	@ 65	@ 50	*Not sold.*	48 @ 50
Bronze metal	@ 1 90	plain 1 65	2 00 @ 3 25	@ 1 25
Brass (℔ cupboards)	@ 10	@ 10	@ 12	@ 1 00
Ebony				℔ 35
Apple wood				37 @ 1 00
Knobs: (℔ *Set.*)				
Mineral, best	@ 8	@ 8	8 @ 10	@ 08
Lava	@ 50	@ 75	65 @ 80	*Not sold.*
Hematite	*Not sold*	17 @ 33	31 @ 40	25 @ 50
Porcelain	@ 30	@ 10	25 @ 30	@ 25
Glass, solid	*Not sold*	@ 50	*Not sold.*	1 00 @ 2 50
Glass, silvered	*Not sold*	88 @ 1 00	@ 1 50	1 75 @ 2 00
Bronze metal	75 @ 2 00	50 @ 3 00	50 @ 3 00	50 @ 3 50
Brass	1 00 @ 2 50	50 @ 3 00	1 00 @ 3 00	75 @ 1 25
Solder:		@	13 @ 16	13½ @ 16
Sheet Lead		@ 7¾	7	@ 6½
Lead Pipe		@ 7	6½	6 @ 6
Iron:				
I-Beams, up to and including 30 ft.	3 3-10 @ 3½	@ 3 1-10	@	@ 2 8-10
H-Beams, over 30 ft. ¼, ½, ¾ c. advance.	@		3.28 @ 3 70	@ 2 8-10
Channel-Beams	3 3-10 @ 3½	@ 3 1-10	" "	@ 2 8-10

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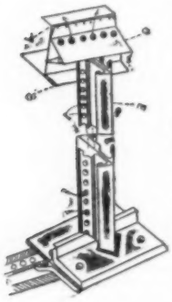

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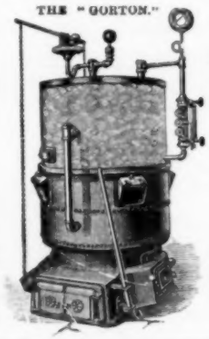

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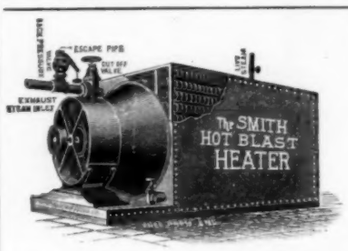

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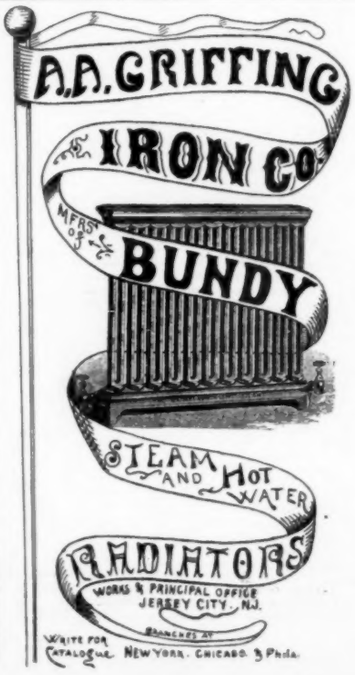

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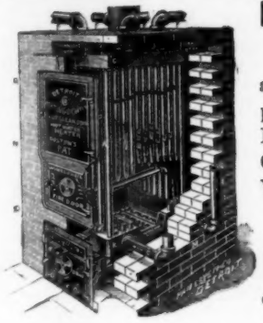

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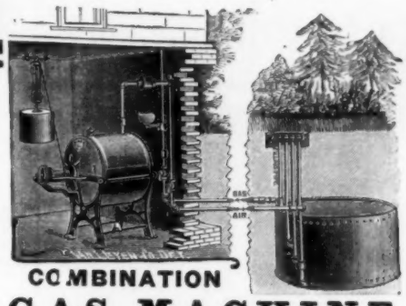

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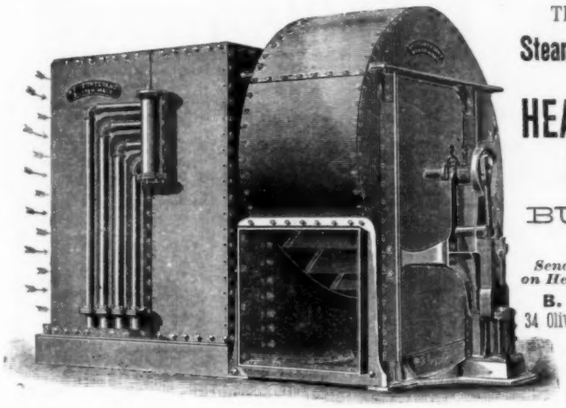

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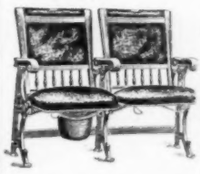

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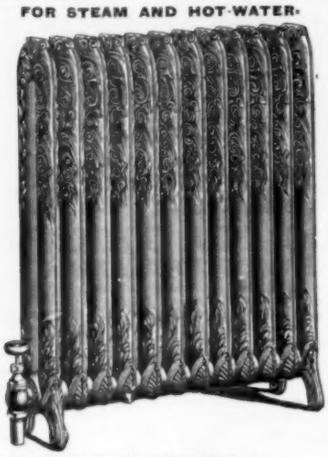

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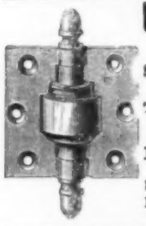

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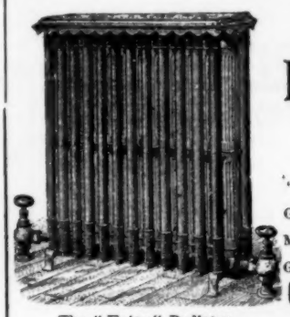

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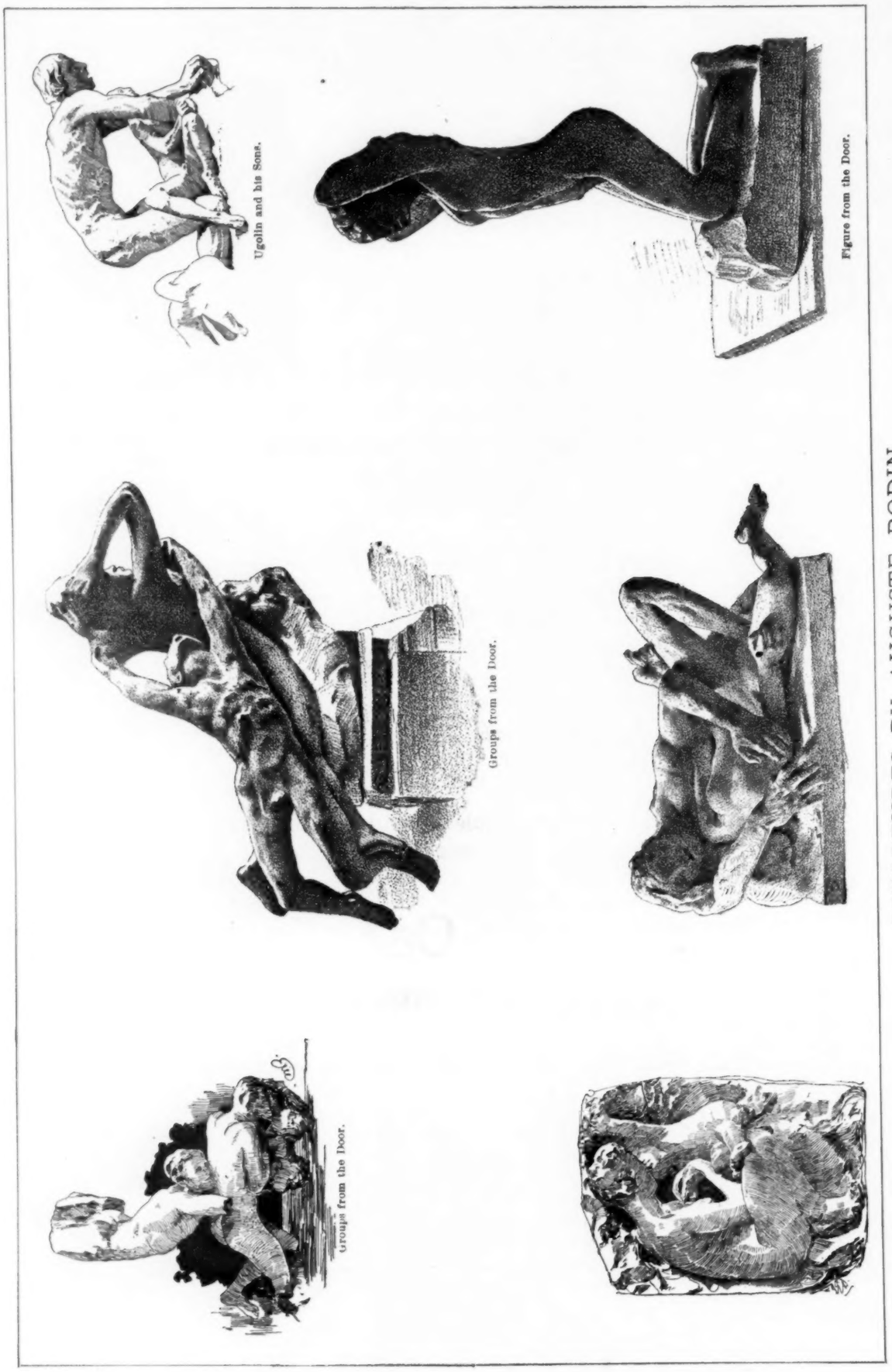

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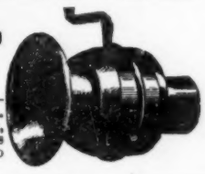

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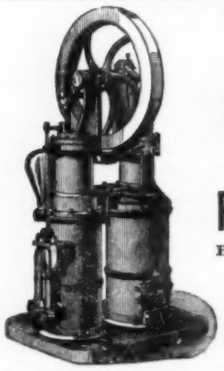

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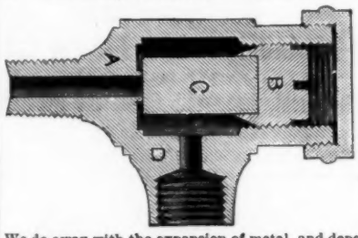

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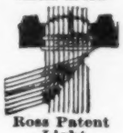

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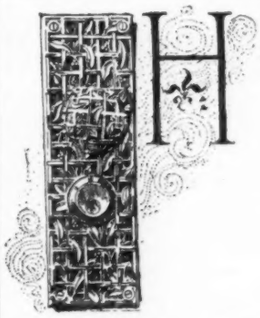

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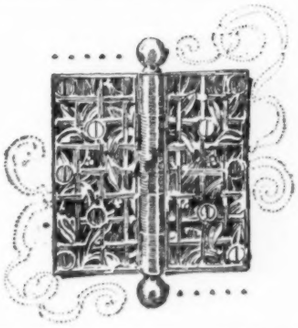

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The American Architect and Building News

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211 TREMONT ST., BOSTON, MASS.

For the American Architect and Building News Co.

Advance Subscription Rates.

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New Advertisements.

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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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Re-Insurance Fund.....1,070,003.98
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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.

Boston, Mass.—*St. James St., No.* 61, Ward 21, addition to brick dwell., and change for three families; owner, Julia F. Smith; builder, P. Hutchinson.

Brookline, Mass.—alterations to dwell.; owner, H. S. Macomber; contract to be let; architects, Loring & Phipps, Boston.

Brooklyn, N. Y.—*Montague St., No.* 201, three-st'y brick banking-room and offices, slate roof, basement and one-st'y brick extension, tin roof, added, and internal and exterior alterations; cost, $12,000; owners, Long Island Loan and Trust Co., on premises; architect, W. B. Tubby, 81 Fulton St., New York.

Sidney Pl., n e cor. Livingston St., one-st'y brick church, slate roof, one and two-st'y stone extension, slate and tin roof, added; cost, $13,000; owner, Rev. Thos. Ward, Sidney Pl.; architect, T. F. Houghton, 340 Fulton St.

Bedford Ave., s w cor. Rodney St., two-st'y basement and mansard brick club-house, slate and tin roof, two-st'y basement and mansard brick extension, tin roof, added and other alterations; cost, $20,000; owners, Hanover Club; architect, P. J. Lauritzen, 120 Broadway, New York.

Water St., n w cor. Washington St., six-st'y brick paper box factory, tin roof, six-st'y extension, tin roof, added and internal alterations; cost, $12,000; owner, Robert Gair, on premises; architect, Benj. Finkenseiper, 93 Broadway.

Calyer St., s s, 300' w West St., one-st'y frame welding-shop, cement and gravel roof, one-st'y brick extension, cement and gravel roof, added; cost, $4,000; owners and architects, Continental Iron Works, on premises.

Clinton St., No. 372, four-st'y brick dwell., tin roof, one-st'y and basement brick extension, tin roof, added; cost, $5,500; owner, Samuel A. Wood, 372 Clinton Ave.; architect, John Mumford, 16 Court St.

Walworth St., Nos. 27 *to* 35, three-st'y brick fac-

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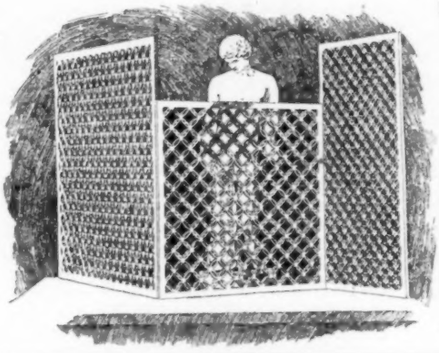

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BUILDING INTELLIGENCE.

tory for car works, slate roof, raised three stories, brick extension, slate roof, added and internal alterations; cost, $6,000; owner, James Binns, Sanford St.; architect, H. Gilvarry, 1 Broadway, New York.

Twelfth St., s s, 475′ e Seventh Ave., one-st'y brick boiler-house for drying lumber and electroplating, corrugated galvanized iron, tin roof, raised two stories, and brick extension, tin roof, added; cost, abt. $9,000; owners, Ansonia Clock Co., Seventh Ave. and Twelfth St.

Pierrepont St., No. 54, four-st'y brick dwell., tin roof, exterior alterations; cost, $3,000; owner, N. G. Carman, Jr., 54 Pierrepont St.; architect, John R. Hinchman, 102 Montague St.

Atlantic Ave., No. 176, s s, three-and-one-half-st'y brick dwell., tin roof, raised half a story, basement and first floor to be made a store, one-st'y and basement brick extension, tin and glass roof added for photographer's place, internal and other alterations; cost, $5,000; owner, J. A. Gross, 176 Atlantic Ave.; architect, Chas. Werner, 26 Court St.

Clinton St., n w cor. De Kalb Ave., four-st'y brick dwell., slate and tin roof, two-st'y and basement brick extension, slate and tin roof, added; cost, $5,750; owner, D. G. Bodkin, M. D., Sands and Jay Sts.; architect, T. F. Houghton, 340 Fulton St.

Hancock St., No. 155, three-st'y brick dwell., tin roof, raised one-st'y four-st'y and basement brick extension, tin roof, added, and internal and exterior alterations; cost, abt. $5,000; owner, Mr. Greene, on premises; architects, Withers & Dickson, 54 Bible House, New York.

Chicago, Ill. — L. Schlesinger, one-st'y addition, State and Madison Sts.; cost, $18,000.

Gurin Regnira, four-st'y front addition, 342 North Franklin St.; cost, $12,000.

M. B. Bailey, 2 three-st'y front addition, 250-252 Laflin St.; cost, $2,000.

BUILDING INTELLIGENCE.

Peter McNally, one-st'y addition to elevator, 1266-1270 West Twelfth St.; cost, $5,000.

Andrew Crogan, two-st'y front addition, 5813 Ashland Ave.; cost, $2,500

C. F. Pretsch, two-st'y addition, 304 Huron St.; cost, $4,000.

Adam Winkleman, two-st'y addition, 2906 Hanover St.; cost, $2,000.

Brooks estate, two-st'y addition, 388-396 Dearborn St.; cost, $20,000.

Ernest Krehn, rear addition, 214 North Ave.; cost, $2,000.

Swedish Evangelical Lutheran Bethlehem Church, addition, Atlantic and Fifty-eighth Sts.; cost, $4,000.

Fall River, Mass.—*Main St.*, cor. Pine St., alterations and interior decorations to First Baptist Church; decorators, R. & W. W. Ritchey; architect, J. Ph. Rinn, Boston.

Melrose, Mass.—Remodelling High School building; architects, Loring & Phipps, Boston.

Middleborough, Mass.—Alterations and additions to Congregational Church, chapel, Sunday-school, class-rooms and parlors; architect, J. Ph. Rinn, Boston.

Minneapolis, Minn.— A. J. Blethen, one-st'y addition to five-st'y brick building, 57-61 South Fourth St.; cost, $10,000.

Philadelphia, Pa.—*Eighteenth St.*, n w Tasker St., one-st'y addition to dwell.; owner, Thos. Somers, n w Eighteenth and Tasker Sts.

Montrose St., No. 1721, one-st'y addition to stable; owners, Wade & Muldoon, 1729 Montrose St.

South Twenty-first St., No. 17, interior and exterior alterations; contractor, John C. Kelly, 1218 Brown St.

North Fifth St., No. 2220, new front; contractor, Geo. Kessler, 1542 Franklin St.

BUILDING INTELLIGENCE.

St. John St., n e cor. Green St., addition to dwell., mansard roof; contractor, F. J. Schlett, Fox Chase.

Chestnut St., No. 1517, addition to building; contractor, Theo. M. Kinney, 118 North Sixteenth St.

Ridge Ave., No. 1654, two-st'y addition to store; owner, Geo. W. Haws, 2013 Brown St.

Biddle St., No. 2410, alter stable to dwell.; contractor, W. K. Stevenson, 2236 Virginia St.

Quisset, Mass.—Alterations to frame dwell.; owner, S. D. Bennett; architects, Loring & Phipps, Boston.

APARTMENT-HOUSES.

Chicago, Ill.—Thomas Taylor, two-st'y flats, 5349 Indiana St.; cost, $3,000.

John J. Doyle, three-st'y flats, 539 West Thirteenth St.; cost, $3,500.

Mrs. C. J. Dandton, three-st'y flats, 396 Oak St.; cost, $5,000.

Martin Walsh, three-st'y flats, 452 Robey St.; cost, $5,500.

W. G. Illsley, 2 two-st'y flats, 3728-3730 Stanton Ave.; cost, $6,000.

J. C. Berg, three-st'y flat, 27 Elston Ave.; cost, $6,000.

H. J. Morton, 2 three-st'y flats, 240-242 Campbell Pl.; cost, $12,000.

James Harvey, three-st'y flats, 220 Aberdeen St.; cost, $4,000.

J. E. Tracey, two-st'y flats, 537 Sacramento Ave.; cost, $3,000.

Patrick Wallace, two-st'y flats, 26-28 Sholto St.; cost, $5,000.

George Frank, four-st'y flats, 202 Ontario St.; cost, $10,000.

Mrs. Catherine O'Roke, two-st'y flats, Morgan and Fifty-second Sts.; cost, $2,000.

Charles J. Swenson, two-st'y flats, 6624 Drexel St.; cost, $2,600.

Robert Bond, 2 four-st'y flats, 39-41 Iowa St.; cost, $4,000.

George F. Heimbradt, two-st'y flats, 165 Warren Ave.; cost, $5,000.

August Warneke, two-st'y flats, 3545 South Western Ave.; cost, $2,200.

Herman Volnes, 2 two st'y flats, 740 Adams St.; cost, $15,000.

Newton estate, two-st'y flats, 358 West Jackson St.; cost, $8,000.

V. Berlang, three-st'y flats, 144 Moore St.; cost, $5,500.

Andrew Thelander, three-st'y flats, 686 North Park Ave.; cost, $5,500.

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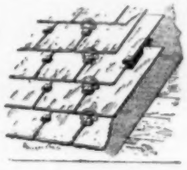
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BUILDING INTELLIGENCE.

Minneapolis, Minn.—Geo. W. Taylor, flats, 2104-6 North Aldrich Ave.; cost, $8,500.

Mrs. J. W. Field, brick flats, 61-65 North Eleventh St.; cost, $8,000.

New York, N. Y.—*One Hundred and Sixteenth St.*, s s, 50′ w Manhattan Ave., 4 five-st'y brick flats, tin roofs; cost, $17,000; owner, Charles E. Moore, 56 East One Hundred and Tenth St.; architect, J. Averill Webster, 110 East One Hundred and Twenty-fifth St.

Cannon St., No. 10, five-st'y brick flat, tin roof; cost, $20,000; owners, Fay & Stacom, 337 Pleasant Ave.; architect, Charles Rentz, 153 Fourth Ave.

Henry St., Nos. 240-251, five-st'y brick flat, tin roof; cost, $23,000; owner, Maurice Levy, 223 East Broadway; architects, Schneider & Herter, 48 Bible House.

Eighty-first St., s s, 116′ e Tenth Ave., 4 five-st'y brick flats, tin roofs; cost, $120,000; owner, John Casey, 59 East Eighty-seventh St.; architect, Geo. A. Bagge, 312 East Eighty-ninth St.

Tenth Ave., e s, 25′ 8½″ n Ninetieth St., 3 five-st'y brick flats, tin roofs; cost, $54,000; owner, Ida M. Hamilton, 49 West Ninetieth St.; architect, J. Averill Webster, 110 East One Hundred and Twenty-fifth St.

Tenth Ave., n e cor. Ninetieth St., five-st'y brick flat, tin roof; cost, $25,000; owner, Ida M. Hamilton, 49 West Ninetieth St.; architect, J. Averill Webster, 110 East One Hundred and Twenty-fifth St.

One Hundred and Sixteenth St., n s, 34′ 6″ w Fifth Ave., 4 five-st'y brick flats, tin roofs; cost, $88,000; owner, John Walker, 233 East One Hundred and Thirteenth St.; architect, Andrew Spence, 163 East One Hundred and Twenty-fifth St.

One Hundred and Seventeenth St., s s, 70′ e Manhattan Ave., 6 five-st'y brick flats, tin roofs; cost, $104,000; owner, Edward Cunningham, 390 Manhattan Ave.; architect, Henry Davidson, 222 Ninth Ave.

Madison St., No. 173, five-st'y brick flat, tin roof; cost, $17,000; owner, Jos. L. Butterweiser, 227 East Sixtieth St.; architect, Robt. S. Polack, 357 West Forty-eighth St.

BUILDING INTELLIGENCE.

Ninety-ninth St., s s, 225′ w Eighth Ave., 2 five-st'y brick flats, tin roofs; cost, $44,000; owner, Edward B. Chace, 206 Water St.; architect, John C. Burne, 1531 Third Ave.

West Thirty-ninth St., Nos. 264-266, 2 five-st'y brick flats, tin roofs; cost, $46,000; owner, James Devlin, 422 West Fifty-fifth St.; architect, James W. Cole, 403 West Fifty-first.

West Forty-ninth St., Nos. 412-414, 2 five-st'y brick flats, tin roofs; cost, $40,000; owners, Dick & McKelvey, 670 Ninth Ave. and 454 West Forty-ninth St.; architect, M. V. B. Ferdon, 272 West Thirty-fourth St.

One Hundred and Forty-second St., n and s s, bet. Tenth Ave. and Hamilton Pl., 2 five-st'y mottled, brick and brownstone apartment-houses; owner, M. E. Stevens; architect, H. Van Benschoten.

Roxbury, Mass.—*Kensington St.*, three-st'y frame apartment-house, pitch roof, slated, 26′ x 55′; cost, abt. $8,000; owner, Bernard Fay; contract to be let; architect, Alden Frink, Boston.

St. Louis, Mo.—Two-st'y brick flats; cost, $3,500; owner, Catherine A. Watson; contractor, G. G. Chapline.

CHURCHES.

Baltimore, Md. — Second Presbyterian Church, brick chapel, n e cor. Madison St. and Harford Ave.

The Advent Chapel, brick chapel, e s Charles St., s Ostend St.

Brooklyn, N. Y. — *Pennsylvania Ave.*, n e cor. Liberty Ave., one-st'y frame church, slate roof; cost, $7,000; owner, Francis H. Miller, Secretary for Corporation, 39 Pennsylvania Ave.; architects, Coy & McLean, 681 Greene Ave.

Chicago, Ill.—First Primitive Methodist Episcopal Church, church, 14-16 North Mary St.; cost, $5,000.

Catholic Apostolic Church, church, 86 Locust St.; cost, $3,000.

Bethel Lutheran Church, church, 2128-2130 Carroll Ave.; cost, $2,800.

New York, N. Y.—*Second Ave., Nos.* 112-114, *and East Seventh St., No.* 50, church and kindergarten; owners, Dutch Reformed Church.

Philadelphia, Pa.—*Mud La.*, cor. Woodland Ave., two-st'y church, pastor, Thos. O'Neill, Seventy-first St. and Woodland Ave.

Pine St., s s, e Forty-second St., one-st'y chapel; contractors, Bourne & Tweed, 2215 Hamilton St.

Twentieth St., w s, s Thompson St., one-st'y church; contractor, Philip Haibach, Twenty-sixth and Thompson Sts.

St. Louis, Mo.—One-st'y brick church; cost, $25,000; owners, St. Agnes Church, C. P. Smith, rector; sublet.

Williamstown, Mass.—French Catholic Church, church; cost, $12,000; builders, Porter & Mannum.

FACTORIES.

Baltimore, Md.—Jacob Seibler, three-st'y brick factory, s s Barre St., bet. Eutaw and Green Sts.

Brooklyn, N. Y.—*Front St., No.* 112, six-st'y brick factory, gravel roof; cost, $8,000; owner, John Bowie, 65 Johnson St.; architect, Carl F. Eisenach, 59 Court St.

New York, N. Y.—*Ridge St., No.* 111, six-st'y brick factory, tin roof; cost, $7,000; owner, Harry W. Frankel, 237 Henry St.; architect, Herman Horenberger, 99 East Third St.

Spring St., No. 206, five-st'y brick factory, tin roof; cost, $15,000; owners, New York Pie Baking Co., 82 Sullivan St.; architect, Chas. E. Hadden, 102 South Fifth Ave.

Philadelphia, Pa.—*St. John St., No.* 506, four-st'y factory; contractor, Wm. E. Beetam, 519 Commerce St.

HOTELS.

Chicago, Ill. — Northern Hotel Co., fourteen-st'y hotel, 227-245 Dearborn St.; cost, $1,000,000.

William Kent, ten-st'y hotel, 149-153 Third Ave.; cost, $125,000.

Phila. lphia, Pa.—*State Rd. and Penn St.*, three-st'y brick hotel, colonial style, surrounded with a porch 10 feet wide; owners, Merz Bros.; architect, Thos. P. Lonsdale.

HOUSES.

Baltimore, Md. — George Utterbaugh, 8 two-st'y brick buildings, w s Woodyear Alley, n Gold St.

F. O. Singer, Jr., 16 two-st'y brick buildings, e s Woodyear St., bet. Baker and Bloom Sts.

Andrew Popplein, 5 two-st'y brick buildings, n s Cross St., w Riverside Ave.

Wm. Leach, three-st'y brick building, s e cor. Eutaw and Mulberry Sts.

Theodore Rosenstell, three-st'y brick building, w s Valley St., n Eager St.

Brooklyn, N. Y.—*Greene Ave.*, n s, 300′ w Reid Ave., 3 two-and-one-half-st'y brick dwells., tin roofs; cost, $5,000 each; owner, Thos. Washs, 911 Greene Ave.; architect, Wm. J. Murphy, 571 Quincy St.

Fifteenth St., s s, 150′ e Fourth Ave., 5 three-st'y brick dwells., tin roofs; cost, $5,500 each; owner, George Keymer, 298 Eighteenth St.

Bushwick Ave., n e cor. Flushing Ave., 5 four-st'y frame dwells., tin roofs; cost, $40,000; owner, J. Manneschmidt, 966 Myrtle Ave.; architect, Frank Holmberg, 1161 Broadway.

Ridgewood Ave., n s, n w cor. Railroad Ave., 10 two-st'y frame dwells., tin roofs; cost, $2,000 each; owner, W. H. Baker, Sackman St., near Dumont.

Seventh St., s s, 357′ 10½″ w Fifth Ave., 5 three-st'y brick dwells., tin roofs; cost, $4,000 each; owner, A. G. Calder, 420 Eighth St.; architect, W. H. Calder, 420 Eighth St.

Douglass St., n s, 291′ 1½″ e Albany Ave., 7 two-st'y brick dwells., tin roofs; cost, $3,000 each; owners, Mullen & Kane, 1679 Fulton St.; architect, John E. Dwyer, 1540 Broadway.

Douglass St., n s, 100′ e Albany Ave., 10 two-and-one-half-st'y brick dwells., tin roofs; cost, $4,000 each; owners, D. C. Ross & Co., 237 Tompkins Ave.; architect, John E. Dwyer, 1540 Broadway.

St. Mark's Ave., n s, 120′ e Rogers Ave., 3 three-st'y brick dwells., tin roofs; cost, $6,500 each; owner of one, Mrs. H. C. Chappell, 542 Nostrand Ave.; of the other two, Mrs. Ashfield, 631 St. Mark's Ave.; architect, George P. Chappell, 24 State St., New York.

Williams Ave., w s, 200′ s Atlantic Ave., 2 two-st'y frame dwells., tin roofs; cost, $3,200; owner, J. C. Bamhart, Williams and Atlantic Aves.; architect, A. J. Warren, 2583 Atlantic Ave.

Thirty-second St., n s, 240′ w Fifth Ave., three-st'y frame dwell., tin roof; cost, $3,000; owner, Erik Frederikson, 554 One Hundred and Thirty-sixth St., New York.

Jefferson Ave., s s, 95′ e Stuyvesant Ave., 4 two-st'y brick dwells., tin roofs; cost, $4,900 each; owners, Lambert & Mason, 684 Putnam Ave.; architects, J. D. Reynolds & Son, 363 Fulton St.

St. Mark's Ave., n s, 100′ e Nostrand Ave., three-st'y brick dwell., slate roof; cost, $20,000; owner, John Hills, 209 Greene Ave.; architect, George P. Chappell, 24 State St., New York.

First St., s s, 100′ w Seventh Ave., 4 two-and-one-half-st'y brick dwells., tin roofs; cost, $5,000 each; owner, John Kolle, on premises; architect, Robert Dixon, 219 Montague St.

Macon St., s s, 22′ w Ralph Ave., 10 two-and-one-

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BUILDING INTELLIGENCE.

half-st'y brick dwells., tin roofs; cost, $5,300 each; owner, R. F. Clayton, 305 Stuyvesant Ave.; architect, W. F. Clayton, 305 Stuyvesant Ave.

Garfield Pl., n w cor. Polhemus Pl., three-st'y brick dwell., tin roof; cost, $13,000; owners, Martin & Lee, 440 Clermont Ave.; architect, Charles Werner, Garfield Building.

Forty-first St., s s, 112′ e Third Ave., three-st'y frame dwell., tin roof; cost, $3,500; owner, Mary Jane Stanley, 144 Forty-first St.; architect, James Stanley, 144 Forty-first St.

Miller Ave., w s, 150′ n Fulton Ave., two-st'y frame dwell., tin roof; cost, $3,000; owner, Wm. B. Howard, Arlington and Van Siclen Aves.; architects, Danmar & Fischer, 2921 Atlantic Ave.

Arlington Ave., n s, 40′ e Jerome St., two-st'y frame dwell., tin roof; cost, $5,000; owner, Richard Pickering, 2927 Atlantic Ave.; architect, William Danmar, 2921 Atlantic Ave.

Arlington Ave., n w cor. Warwick St., two-st'y frame dwell., shingle roof; cost, $5,200; owner, Fred J. Swift, 2921 Atlantic Ave.; architect, Wm. Danmar, 2921 Atlantic Ave.

Arlington Ave., n e cor. Jerome St., two-st'y frame dwell., shingle roof; cost, $5,200; owner, Fred J. Swift, 2921 Atlantic Ave.; architect, Wm. Danmar, 2921 Atlantic Ave.

Arlington Ave., s s, 50′ e Elton St., 2 two-and-one-half-st'y frame dwells., shingle roofs; cost, $4,000; owner and architect, J. T. Allan, 300 Union St.

Lorimer St., w s, 275′ s Bedford Ave., 2 three-st'y frame dwells., felt and gravel roofs; total cost, $9,000; owner and architect, Edward P. Self, Bellmore, L. I.

Forty-fourth St., s s, 80′ w Fourth Ave., 6 two-st'y frame dwells., tin roofs; cost, $2,800 each; owner, Thos. Keogh, 169 Luqueer St.

Wyckoff Ave., e s, 50′ s Starr St., two-st'y frame dwell., tin roof; cost, $3,000; owner, Pauline Nasch, 341 Ellery St.; architect, E. Schrempf, 708 Myrtle Ave.

Arlington Ave., n s, 42′ w Warwick St., two-st'y frame dwell., shingle roof; cost, $4,500; owner, Fred J. Swift, 2921 Atlantic Ave.; architect, Wm. Danmar, 2921 Atlantic Ave.

Thatford Ave., e s, 212′ n Glenmore Ave., 3 two-st'y frame dwells., felt and gravel roofs; cost, $1,200 each; owner, George N. Mason, 158 Tompkins Ave.

Cheektowaga (Erie Co.), N. Y. — *Genessee St.*, brick dwell., 50′ x 120′; owner, George Urban, Jr.; builders, Metz & Meyer, Buffalo; architect, J. Ph. Rinn, Boston.

Chicago, Ill. — H. F. Hayes, three cottages, Turner Ave. and Fifty-first St.; cost, $3,000.

James A. Parish, 5 two-st'y dwells., Berkeley and Forty-fourth Sts.; cost, $15,000.

C. O. Gordon, 6 two-st'y dwells., 4739-49 Champlain Ave.; cost, $18,000.

William Ruehl, two-st'y dwell., 445 Winchester Ave.; cost, $3,000.

S. M. Biderson, 15 two-st'y dwells., 2-30 Chicago Terrace; cost, $15,000.

Mrs. Harriet Robinson, two-st'y dwell., Dickey and Seventy-ninth Sts.; cost, $2,800.

Louis Hjorpe, two-st'y dwell., 3631 Fifth Ave.; cost, $3,000.

Clark & Finlay, three-st'y dwell., 3352 South Park Ave.; cost, $3,000.

J. J. Shea, two-st'y dwell., Edgerton Ave., near Sixty first St.; cost, $5,000.

C. T. Morse, three-st'y dwell., Kimbark St., near Forty-eighth St.; cost, $5,000.

C. P. Lowell, two-st'y dwell., Winter St., near Seventy-sixth St.; cost, $4,500.

BUILDING INTELLIGENCE.

Vopica & Kubin, seven cottages, 1515 Forty-second St.; cost, $5,000.

Alfred Blondin, three-st'y dwell., 189 South California Ave.; cost, $5,000.

J. H. Salisbury, two-st'y dwell., 982 West Adams St.; cost, $3,700.

C. Brown, 20 two-st'y dwells., Sangamon St., bet. Fifty-fifth and Fifty-seventh Sts.; cost, $50,000.

A. E. Saxe, two cottages, Sixtieth St., near Halsted St.; cost, $3,000.

Vass Brothers, two-st'y dwell., Webster St., near Fourteenth St.; cost, $2,500.

K. Brower, 2 two-st'y dwells., Lafayette St., near Seventy-first St.; cost, $8,000.

F. B. Clark, 4 two-st'y dwells., Wright and Fifty-ninth Sts.; cost, $10,000.

Chicopee, Mass. — Miss Mary J. Johnson, dwell., Springfield St.; cost, $4,000; contractors, D. B. Griggs & Sons.

Cincinnati, O. — Chas. A. Schreiber, two-and-one-half-st'y dwell., Burnet and McGregor Sts.; cost, $7,000; architect, H. E. Seiter.

L. Blum & Son, two-st'y brick dwell., Liberty St.; cost, $6,000; architect, Joseph Ellick.

George L. Thomson, two-and-one-half-st'y dwell., Hamilton Ave.; cost, $5,116; architects, Samuel Hannaford & Sons.

W. S. Williams, two-st'y dwell., Woodburn and Gilpin Sts.; cost, $3,500; architect, L. M. Waldron.

Grand Rapids, Mich. — Architect S. J. Osgood has plans prepared for a three-st'y brick block for Messrs. Beebe & Fuller, of Hastings, Mich.

Minneapolis, Minn. — Louis Baker, two frame dwells., 244-249 South Colfax Ave.; cost, $14,000.

John Cleator, frame dwell., 2730 Nineteenth Ave., n; cost, $4,000.

S. H. Matterson, frame dwell., 1901 Third Ave., s; cost, $9,000.

T. P. Mealy, frame dwell., 2936 Portland Ave.; cost, $6,000.

Louis Jacques, frame dwell., 1716 Polk St., n e; cost, $4,000.

W. J. Bishopp, frame dwell., 2115 Kenwood Boulevard; cost, $7,000.

J. S. O'Donnell, frame dwell., 2407 Irving Ave., s; cost, $10,500.

Philadelphia, Pa. — *Watkins St.*, n s, w Seventeenth St., 13 two-st'y dwells.; contractor, Thomas Grinnan, 1637 Christian St.

Mulberry St., w s, n Poplar St., three-st'y dwell.; contractor, Frank Gillett, 4707 Smick St.

Morton Ave., w s, s Washington La., 2 three-st'y dwells.; contractor, A. S. Tourison, 5541 Germantown Ave.

Allen's La., w s, n Merion Ave., three-st'y dwell.; contractor, Wm. T. Wilkins, 1811 Lee St.

Jackson St., n s, w Eleventh St., three-st'y dwell.; contractor, Michael Whelan, 1225 Snyder Ave.

Fernon St., n s, w Twenty-first St., 17 two-st'y dwells.; owner, John Crawford, 2054 Tasker St.

Long St., w s, s McKean St., 3 two-st'y dwells.; owners, James McVicker & Bro., 1143 South Broad St.

Juniper St., w s, s Mifflin St., 4 two-st'y dwells.; owner, Hugh McNeill, Ninth St. and Moyamensing Ave.

Locust St., Nos. 1219-21, 2 four-st'y stone and brick dwells.; owner, Allen B. Rorke, Drexel Building.

Fifty-fifth St., s w cor. Haverford St., 2 two-st'y dwells. and stores; contractor, W. Oldfield, 5413 Wyalusing Ave.

Huntingdon St., s s, w Gaul St., 11 two-st'y dwells.; owner, Michael O'Rourke, 2838 Frankford Ave.

Fox St., n s, w Gaul St., 11 two-st'y dwells.; owner, Michael O'Rourke, 2838 Frankford Ave.

Thirty-eighth St., e s, n Brown St., 8 three-st'y dwells.; owner, W. H. H. Achuff, 779 North Thirty-eighth St.

Sixth St., e s, s Tasker St., 4 two-st'y dwells.; owners, R. & A. Wilson, Jr., 1711 South Twentieth St.

Dean St., n e cor. Locust St., three-st'y dwell.; contractor, John C. Kelly, 1218 Brown St.

Emlen St., s s, e Memphis St., two-st'y dwell.; contractor, W. R. Brown, 2415 Dickerson St.

Dauphin St., n s, w Nineteenth St., 8 three-st'y dwells.; contractor, Geo. H. Felters, 1527 South Eleventh St.

Unity St., s s, w Wingohocking Ave., 2 two-st'y dwells.; contractors, Osborn Bros., Margaretta and Adaline Sts.

Lloyd St., s s, e Chew St., two-st'y dwell.; contractor, F. H. Bruker, 32 Rittenhouse St.

Somerville, Mass. — *Winter Hill Pl.*, frame dwells., owners, Dr. C. C. Ellis and S. Z. Bowman; contracts to be let; architects, Loring & Phipps, Boston.

Beacon St., near Kent St., frame dwell., 25′ x 49′, and stable, 25′ x 30′, for four horses; owner, Mary E. Holmes; builder, Oscar F. Green.

Central St., cor. Robinson St., frame dwell., 30′ x 32′; owner, Mrs. M. N. Linnell.

Highland Ave., No. 303, frame dwell., 22′ x 30′, with L; owner, James T. Welch; builder, Geo. E. Ricker.

Jacques St., frame dwell., 35′ x 45′; owner, Mrs. E. K. Weston; builder, Henry J. Rice.

Medford St., near Sycamore St., frame dwell., 22′ x 29′, with L; owner, Chas. H. Wiggin; builder, Chas. S. Alley.

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Harrison St., frame dwell, 21′ x 26′, with projections; owner and builder, Chas. S. Roach.

Albion St., near Centre St., frame dwell., 24′ x 28′, with L; owner and builder, Arthur W. Berry.

School St., bel. Summer St., frame dwell., 35′ x 38′; owner, Mrs. Bancroft; builder, John R. Thompson.

Montrose St., two frame dwells., each 24′ x 27.6′; owners, A. A. Ball and John W. Prevost; builder, John W. Prevost.

Chauncey St., frame dwell., 22′ x 48′; owner, Abner M. Davis; builder, Jas. M. Andrews.

Chandler St., frame dwell., 27′ x 36′; owner and builder, John H. Stevens.

Pitman St., frame dwell., 24′ x 40′; owner, Mrs. Alice I. Musgrave; builder, Geo. W. Trefren.

St. Louis, Mo. — Two-st'y brick dwell.; cost, $9,000; owner, Dr. I. N. Love; contractor, Thos. C. Higgins.

Two-st'y brick dwell.; cost, $13,000; owner, A. Steer; contractor, John Mahon.

Three-st'y brick dwell.; cost, $2,600; owner, A. Betrasch; contractor, C. Riechman.

Three-st'y brick dwell.; cost, $7,500; owner, F. A. Davis; contractor, H. F. Beinke.

Two-st'y brick dwell.; cost, $4,000; owne.r, J. Renish; contractors, Hetz & Hohenstein.

Three-st'y brick dwell.; cost, $14,000; owner, C. Harig; contractors, Gerhard Building Co.

Three-st'y brick dwell.; cost, $5,000; owner, R. Tauber; contractor, M. Wiffler.

Three-st'y brick dwell.; cost, $5,000; owner, P. Lock; contractor, W. H. Clemens.

Two-st'y brick dwell.; cost, $4,600; owner, F. G Bohler; contractor, J. D. Fitzgibbon.

Two-st'y brick dwell.; cost, $3,000; owner, S. K. Triska; contractors, Klutho & Boeke.

Two-st'y brick dwell.; cost, $4,000; owner, Joseph Hetlika; contractors, Klutho & Boeke.

Two-st'y brick dwell.; cost, $5,000; owner, R. Bollman; contractors, S. Quanto & Son.

Two-st'y and mansard brick dwell.; cost, $5,000; owner, C. Foell; contractor, G. Neukum.

Two-st'y brick dwell.; cost, $5,000; owner, J. Thoss; contractor, F. Dielenhein.

Two-st'y brick dwell.; cost, $3,000; owner, S. H. Eberlein; contractor, F. Dielenhein.

Wingaersheek, Mass. — *Waban St.*, stone dwell. 50′ x 80′; owner, Mr. Hawks, Detroit; architect, J. Ph. Rinn, Boston.

Sagamore Road, two stone dwells., each 50′ x 80′; owner of one, E. C. Hawks, Buffalo, N. Y.; of the other, Mrs. Bailey, Buffalo; architect, J. Ph. Rinn, Boston.

OFFICE-BUILDINGS.

Chicago, Ill. — Masonic Temple Association, eighteen-st'y office-building, with stores, lodge-rooms, hall and offices, Randolph and State Sts.; cost, $2,000,000.

A. J. Stone, eight-st'y offices and stores, Madison and Ogden Aves.; cost, $150,000.

New York, N. Y. — *Madison Ave.*, n e cor. Twenty-third St., eight-st'y brick office-building, tile laid in cement and asphaltum roof; cost, $750,000; owners, Metropolitan Life Insurance Co., 554 Bedford Ave.; architects, N. Le Brun & Son, 50 Broadway.

Philadelphia, Pa. — *Broad St.*, s w cor. Callowhill St., one-st'y office-building; contractors, Mercer & Goger, 1525 Parrish St.

Hutchinson St., No. 1545, one-st'y office; owner, T. W. Smaltz, 1724 North Sixteenth St.

SCHOOL-HOUSES.

Somerville, Mass. — *Washington St.*, cor. Boston St., brick and stone grammar school-house, two stories, hip roof; 12 rooms, teachers' rooms, etc.; contracts to be let; architects, Loring & Phipps, Boston.

STABLES.

Boston, Mass. — *Cleveland St.*, near Prescott St., Ward 1, one-st'y frame stable, pitch roof, 14′ x 33.6′; owner, P. E. Lindstran; builder, C. W. Marsden.

East Fifth St., No. 556, *rear*, Ward 14, two-st'y frame stable, flat roof, 15.6′ x 36′; owner and builder, J. A. Roberts.

Boutwell Ave., rear, near Neponset Ave., Ward 24, frame stable, 18′ x 24′; owner, J. C. Robbins; builders, J. A. Vickery & Son.

Paul Gore St., No. 40, *rear*, Ward 23, one-st'y frame stable, pitch roof, 16′ x 20′; owner and builder, Florian Fink.

Chicago, Ill. — Knickerbocker Ice Company, two-st'y barn, Western Ave. and Thirty-eighth St.; cost, $3,000.

Philadelphia, Pa. — *Queen Lane*, s s, w Township Line, one-st'y stable; contractor, Howard Rue, 5259 Adams St.

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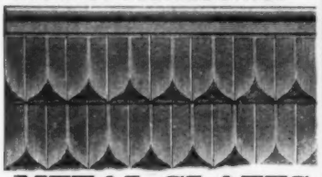

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Cambria St., Nos. 537-539, one-st'y stable; contractor, Chris. Eckert, 3008 Rover St.

Walnut Lane, n s, w Morton St., one-st'y stable; contractor, Henry Harrison, 33 Lafayette St.

Seventy-eighth St., w s, n Laycock St., one-st'y stable; owner, M. Rosenfeld, Seventy-eighth and Laycock Sts.

Twenty-eighth St., w s, n Ellsworth St., two-st'y stable; owner, Thomas Curran, 2742 Gray's Ferry Ave.

Quisset, Mass.— Frame stable; owner, S. D. Bennett; architects, Loring & Phipps, Boston.

STORES.

Brooklyn, N. Y.— *Evergreen Ave.*, n w cor. Cornelia St., two-st'y frame store and dwell., tin roof; cost, $3,500; owner, Adrian M. Suydam, Evergreen Ave. and Suydam St.; architects, J. D. Reynolds & Son, 363 Fulton St.

First St., n s, 28′ 9″ w Whitwell Pl., 5 five-st'y brick stores and dwells., gravel roofs; cost, $7,000 each; owner, George R. Brown, 26 Court St.

First St., cor. Whitwell Pl., *and Danton Pl.*, n s, 2 five-st'y brick stores and dwells., gravel roofs; cost, $8,000; owner, George R. Brown, 26 Court St.

St. Mark's Ave., s w cor. Albany Ave., four-st'y brick store and dwell., tin roof; owner, C. M. De Camp, 823 Quincy St.; architect, F. B. Langston, 1225 Bedford Ave.

Sherlock Pl., n e cor. Atlantic Ave., four-st'y brick store and dwell., tin roof; cost, $6,000; owner, John Kehoe, 2158 Fulton St.; architect, John E. Dwyer, 1540 Broadway.

Myrtle Ave., n w cor. Steuben St., four-st'y frame store and dwell., tin roof; cost, $6,000; owner, John Schliemann, Franklin Ave.

Broadway, n e cor. Vanderveer St., four-st'y brick store and dwell., cement and gravel roof; cost, $30,000; owner, W. E. Cozzens, 38 Palmetto St.; architect, W. M. Coots, 26 Court St.

Broadway, e s, 27′ n Vanderveer St., 2 four-st'y brick stores and dwells., cement and gravel roofs; total cost, $30,000; owner, W. E. Cozzens, 38 Palmetto St.; architect, W. M. Coots, 26 Court St.

Broadway, n e cor. Cooper Ave., four-st'y brick store and dwell., cement and gravel roof; cost, $18,000; owner, J. A. Loucks, Bay Ridge, L. I.; architect, W. M. Coots, 26 Court St.

Seventh Ave., n w cor. Twelfth St., 3 four-st'y brick stores and apartment-houses, tin roofs; total cost, $23,000; owners, J. H. Doherty & Bro., 286 Flatbush Ave.; architect, W. M. Coots, 26 Court St.

Central Ave., n e cor. Cornelia St., and Central Ave., s e cor. Jacob St., 2 three-st'y brick stores and dwells., tin roofs; total cost, $20,000; owner, Walter Hopkins, 776 Halsey St.; architect, Frank Holmberg, 1161 Broadway.

Central Ave., e s, 24′ n Cornelia St., 8 three-st'y brick stores and dwells., tin roofs; total cost, $56,000; owner, Walter Hopkins; architect, Frank Holmberg, 1161 Broadway.

Humboldt St., e s, 175′ s Van Cott Ave., three-st'y frame store and dwell., tin roof; cost, $3,900; owner and builder, Chas. Engert, 182 Montrose Ave.; architect, F. J. Berlenbach, Jr., 260 Graham Ave.

Chicago, Ill.— Henning & Speed, four-st'y stores and storage warehouses, 291-303 South Clark St.; cost, $60,000.

George Behner, two stores and flats, Seventy-ninth and Wright Sts.; cost, $8,000.

George A. Shannon, two stores and flats, Seventy-ninth and Wright Sts.; cost, $8,000.

J. D. Fuller, 2 three-st'y store and flats, Seventy-ninth and Wright Sts.; cost, $8,000.

H. P. Prescott, two-st'y store, Palisade St. and Central Park Ave.; cost, $2,000.

C. R. Minnick, 2 two-st'y store and flats, Seventy-ninth and Wright Sts.; cost, $8,000.

Geo. D. McLaughlin, two-st'y store and flats, 1893 North Clark St.; cost, $2,300.

Geo. D. McLaughlin, two-st'y store and flats, 1925-1927 North Clark St.; cost, $4,600.

Emma C. Dressbach, two-st'y store and flats, 387 Sedgewick St.; cost, $5,000.

Jacob Wills, 3 three-st'y store and flats, 4721-4728 State St.; cost, $7,000.

Herman Heinge, four-st'y store and flats, 200 Wells St.; cost, $5,000.

R. F. Conway, three-st'y store and flats, 973 West Lake St.; cost, $5,000.

S. Dombey, three-st'y store and flats, Seventy-ninth St., near Wallace St.; cost, $7,000.

Mrs. Payne, three-st'y store and flats, Seventy-ninth St., near Wallace St.; cost, $7,000.

Frank Opitz, two-st'y store and flats, 63 Vedder St.; cost, $3,500.

Henry H. Brinton, two-st'y store, 1330-32 Van Buren St.; cost, $10,000.

V. Berlamy, three-st'y store, 144 Moore St.; cost, $5,500.

E. O. Lamphere, two-st'y store and flats, Sixty-ninth St., near Paulina St.; cost, $2,000.

W. Strost, three-st'y store and flats, 722 West Division St.; cost, $4,500.

Frank J. Little, two-st'y store, flats and barn, 349-351 Ninety-second St.; cost, $4,000.

Edward O'Callaghan, two st'y store and flats, 681 West Ontario St.; cost, $5,100.

William Kent, 2 two-st'y stores and flats, 390-395 Winchester Ave.; cost, $12,000.

Mrs. S. Neils, two-st'y store and dwell., 8954 Superior St.; cost, $2,500.

Rudolph H. Burke, three-st'y store and flats, 426 West Chicago Ave.; cost, $4,000.

Mrs. Flora Carruthers, 4 four-st'y stores and flats, 562-68 North Clark St.; cost, $40,000.

Mrs. C. Stretch, two-st'y store and flats, 899 Ogden Ave.; cost, $3,000.

E. J. Lehman, 8 four-st'y store and flats, 137-149 Van Buren St.; cost, $90,000.

F. Sloan, three-st'y store and flats, 901 West Twelfth St.; cost, $6,000.

Samuel O'Neil, two-st'y store and dwell., 247 North Western Ave.; cost, $3,500.

Minneapolis, Minn.—S. Wyatt, brick store and flat, 1707-79 Fourth Ave., n; cost, $20,000.

New York, N. Y.— *Christie St., No.* 194, six st'y store and warehouse, tin roof; cost, $14,000; owners, Weil & Meyer, 227 East Sixtieth St.; architects, Schneider & Herter, 48 Bible House.

Philadelphia, Pa. — *Stanley St.*, w s, s Susquehanna Ave., three-st'y store and dwell.; owners, J. H. Stevenson & Son, Twenty-ninth and Diamond Sts.

Ridge Ave., n e cor. Thirty-first St., three-st'y store and dwell.; owners, J. H. Stevenson & Son, Twenty-ninth and Diamond Sts.

Washington St., cor. Church St., two-st'y store and dwell.; owner, Thos. Waters, Melrose St.

Haverford Ave., n s, w Sixty-first St., two-st'y store and dwell.; owner, Geo. Wilkinson, 5436 Chestnut St.

Forty-first St., s w cor. Mantua St., 4 three-st'y stores and dwells.; contractor, A. Overhurf, at place.

Old Second St., n e cor. Snyder Ave., three-st'y store and dwell.; owner, Harry Swan, 1829 South Second St.

St. Louis, Mo.—Seven-st'y brick store; cost, $45,000; owner, J. S. Sullivan; contractor, J. D. Fitzgibbon.

Two-st'y and mansard brick store and dwell.; cost, $5,900; owners, Cunningham & Duffy; contractor, J. Schenck.

TENEMENT-HOUSES.

Cincinnati, O.—Fred Dickhaus, three-and-one-half-st'y tenement, Ochler St.; cost, $4,500; architects, G. & A. Brink.

Minneapolis, Minn.—W. J. Smith, brick veneer tenement, 1811-21 Second Ave., n; cost, $9,000.

St. Louis, Mo.—Two-st'y brick tenement; cost, $3,500; owner, Jno. E. Burrows; contractor, J. H. Randall.

MISCELLANEOUS.

Boston, Mass. — *Albany St., No.* 439, *rear, and Harrison Ave.*, Ward 17, two-st'y brick power-house, pitch roof, 172′ x 338.6′; owners, West End Railway Co.; builders, Whidden & Co.

Brooklyn, N. Y.—*Kent Ave.*, n e cor. Taylor St., five-st'y brick and stone malt-house, gravel roof, altered internally; cost, $3,000; owners and architects, J. S. & W. Brown, Franklin Ave. and Dean St.

Chicago, Ill.—Gates Iron Works, one-st'y machine-shop, 58-64 South Clinton St.; cost, $13,000.

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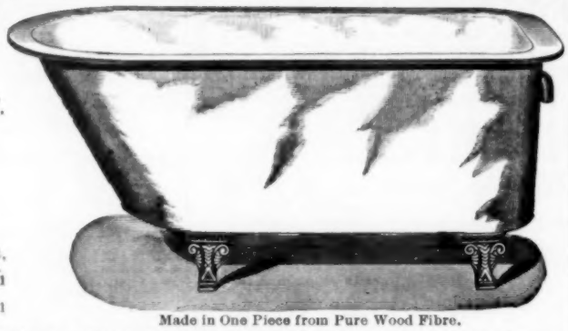

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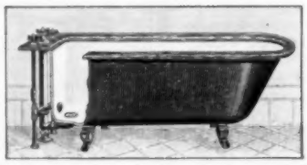

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PATENT SEWER-GAS AND BACK-WATER TRAP,
For Wash-Bowls, Sinks, Bath and Wash-Tubs.
204 Superior St., Cleveland, O.

BUILDING INTELLIGENCE.

New York, N. Y.—*Spring St., No.* 70, four-st'y brick workshop, tin roof; cost, $13,000; owner, Mrs. M. L. Larhart, White Plains, Westchester Co., N. Y.; architect, Charles Warn, 154 East Twenty-fifth St.

One Hundred and Forty-eighth St., s s, 235' w Brook Ave., three-st'y brick workshop, tin roof; cost, $9,000; owner, Christian Rieger, Willis Ave. and One Hundred and Forty-fourth St.; architect, Adolph Pfeiffer, 534 Willis Ave.

Thirty-second St., n e cor. Chestnut St., four-st'y institute building; contractor, Chas. McCaul, 20 North Eleventh St.

Beach St., w s, n Noble St., two-st'y machine-shop and boiler-house; contractor, A. B. Rorke, 732 Drexel Building.

Madison St., No. 59, three-st'y brick club-house, slate and tin roof; cost, $15,000; owner, Patrick Diver Association, 30 Oliver St.; architect, John S. O'Meara, 132 Park Ave.

Pier B, foot of Sixty-third St. N. R., two-st'y iron storage-building, peak "Warren Anchor" brand gravel roof; cost, $70,000; owner, N. Y. C & H. R. R., Grand Central Depot; architect, Walter Katte, Grand Central Depot.

Philadelphia, Pa.—*River St., No.* 3021, two-st'y front building; owner, Danl. McKenna, at place.

Fifteenth St., n s, w Buttonwood St., summer kitchen; contractor, J. R. Garber, 52 North Thirteenth St.

Savery St., No. 1347, two-st'y front building; contractor, H. C. Zingraf, 133 Master St.

Paul St., e s, n Green St., one-st'y kitchen; contractor, Wm. Keas, 4622 Penn St.

Spring Garden St., s s, w Broad St., four-st'y shop and three-st'y office; contractor, J. R. Garber, 52 North Thirteenth St.

Broad St., w s, s Spring Garden St., one-st'y shop; contractor, J. R. Garber, 52 North Thirteenth St.

Fifteenth St, e s, s Spring Garden St., three-st'y machine-shop; owners, Baldwin Locomotive Works; architects, Burnham, Parry, Williams & Co.; contractor, J. R. Garber, 52 North Thirteenth St.

Stevenson St., w s, s Moore St., one-st'y shop; contractor, Geo. W. Allibone, 1703 South Second St.

Conestaga St., e s, s Lansdowne Ave., two-st'y front building; contractor, R. C. Dothard, 5126 Master St.

Fortieth St., near Forty-first St. and Mantua Ave., one-st'y stone wash-house; owners, P. R. R. Co.

Thirtieth and Thirty-first Sts., near Powelton Ave. and Race St., one-st'y coal-house and one-st'y office; owners, P. R. R. Co.

Second St. Pike, e s, s Comly St., one-st'y storehouse; owner, Wm. Brandenstein, Maybury, Ward 25.

South Front St., No. 116, six-st'y storehouse; contractor, R. W. Strode, 2131 Vine St.

Germantown Ave., e s, s Lehigh Ave., two-st'y storehouse; contractor, H. G. Schultz, 2633 Germantown Ave.

PROPOSALS.

July 7, 1890. 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 af July, 1890, for all the labor and materials required to do all the general excavations and concrete work for the foundations of 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. Each bid must be accompanied by a certified check for $100. The Department will reject all bids received after the time fixed for opening the same; also, bids which do not comply strictly with all the requirements of this invitation. Bids must be enclosed in an envelope sealed and indorsed "Proposal for the Excavation and Concrete Work for the Foundations of the United States Custom-House and Post-Office building at New Bedford, Mass.," and addressed to JAS. H. WINDRIM, Supervising Architect.

760

June 28, 1890. 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 July, 1890, for the iron stairways and iron-work of interior finish for the United States Court-House and Post-Office building at Pittsburgh, Pa., in accordance with 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 $300. The Department will reject all bids received after the time fixed for opening the same; also, all bids which do not comply strictly with the requirements of this invitation. Proposals must be sealed and endorsed "Proposal for Iron Stairways and Iron-work of Interior Finish for the United States Court-House and Post-Office building at Pittsburgh, Pa.," and addressed to JAMES H. WINDRIM, Supervising Architect.

759

ADDITIONS, ETC., TO COURT-HOUSE.
[At Plymouth, Mass.]
OFFICE OF J. WILLIAMS BEAL, ARCHITECT,
68 MASON BUILDING, BOSTON, MASS.

Estimates will be received at the office of the Plymouth County Commissioners in Plymouth, Mass., **up to noon, Monday, July 21,** for the alterations and additions to the Court-house in Plymouth.

All bids to be addressed to the County Commissioners, sealed and endorsed "Proposal for Additions, etc., to the Court-house."

Plans may be seen at the above office on and after Thursday, July 10.

The Commissioners reserve the right to reject any or all proposals.

Per order of Board of Commissioners.

J. WILLIAMS BEAL, Architect.

JEDEDIAH DWELLY, WM. RANKIN, WALTER H. FAUNCE, } Commissioners.

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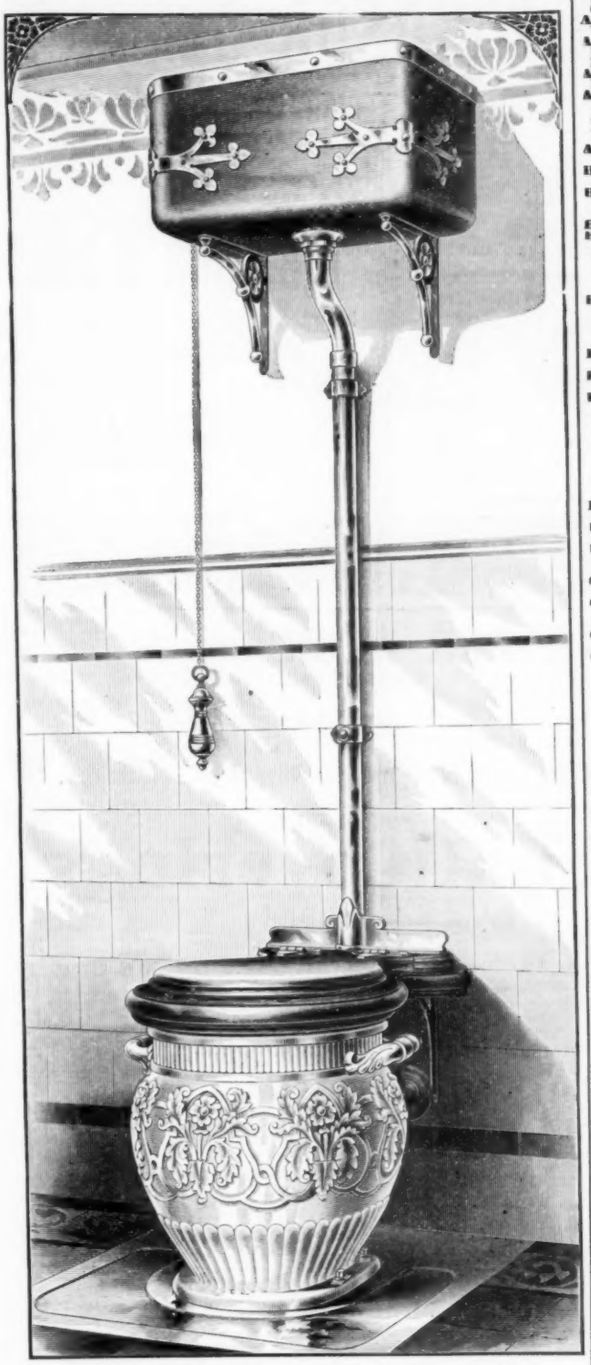

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(PATENTED; OTHER PATENTS PENDING.)

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The Cistern illustrated above is a departure from stereotyped designs; it is a combination of finely finished woodwork with brass ornaments.

Illustrated price-list mailed on application.

[*See Alphabetical Index on page* VII *for Pagination.*]

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Aluminum. Cowles Electric Smelting and Aluminum Co., Cleveland O.
Annunciators.
W. R. Ostrander & Co., New York
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Frost & Adams, Boston. (eow)
Queen & Co., Philadelphia, Pa.
Artificial Stone.
Wehu Pavement Co., New York, N. Y. (eow)
Asbestos Felt & Boiler Coverings.
H. W. Johns M'f'g Co., New York
H. F. Watson, Erie, Pa. **Asbestos Felts.**
Asbestos Paint.
H. W. Johns M'f'g Co., New York
Asphalt.
Matt Taylor Paving Co., New York
Neuchatel Asphalte Co., New York
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E. H. Wootton, New York
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Warren Chemical & M'f'g Co., New York
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H. A. Williams Mfg. Co., Boston, Mass. (mon)
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Miller & Coates, New York.
Oswego Indursted Co., Oswego, N. Y.
Bells. Blake Bell Co., Boston
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Babcock & Wilcox Co., New York
Gorton & Lidgerwood Co., New York (eow)
Harrison Safety Boiler Works, Philadelphia, Pa. (eow)
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Ticknor & Co., Boston
Brass Founders.
Ames Manufg. Co., Chicopee, Mass. (mon)
Brass Goods.
J. B. Shannon & Sons, Philadelphia (mon)
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Burns, Russell & Co., Baltimore, Md.
Howard Fleming, New York (eow)
Hydraulic Press Brick Co., St. Louis
Menomonie Pressed Brick Co., Menomonie, Wis. (eow)
Peerless Brick Co., Philadelphia, Pa.
Waldo Bros., Boston
Washington Hydraulic-Press Brick Co., Washington, D. C.
Brick Machine.
The Frey, Sheckler Co., Bucyrus, O. (eow)
Building Felt (Fire and Waterproof).
H. W. Johns M'f'g Co., New York
Building Papers.
H. F. Watson, Erie, Pa.
Standard Paint Co., New York N. Y.
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John H. Pray, Sons & Co., Boston Mass.
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John McCallum & Co., New York, N. Y.
H. S. Northrop, New York
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E. O. Norton, New York
Cement.
Alsen's Cement Works, New York, N. Y. (eow)
Baetjer & Meyerstein, New York
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Dickinson Bros. & King, New York
E. W. Fisher, New York
Howard Fleming, New York (eow)
Johnson & Wilson, New York
J. B. King & Co., New York
Sinclair & Babson, New York (mon)
E. Thiele, New York, N. Y.
Chair-Seating.
Harwood Manufacturing Co., Boston
Chimney Tops.
H. M. Hansen, Chicago, Ill. (mon)
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E. Eldon Deane, Boston, Mass.
Conductors (Water).
Austin Obdyke & Co., Philadelphia
Boston Spiral Tube Works Boston
Solderless Standing-Seam Conductor Co., Allegheny, Pa.
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Lord & Burnham Co., Irvington-on-Hudson, N. Y.
Josephus Plenty, New York
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Flynt Building & Construction Co., Palmer, Mass.
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Samson Cordage Works, Boston. (eow)
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Mesker & Bro., St. Louis, Mo.
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S. Cabot, Boston.
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Norton Door-Check and Spring Co., Boston
Door Knobs. J. Bardsley, New York
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R. W. Parry, Philadelphia, Pa. (mon)
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Holtzer-Cabot Co., Boston, Mass.
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Morse, Williams & Co., Philadelphia
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Springfield Foundry Co., Springfield, Mass.
Stokes & Parrish Philadelphia
Whittier Machine Co., Boston
Elevator Engine.
Springfield Foundry Co., Springfield, Mass.
Engines (Caloric Pumping).
Delamater Iron Works, New York
Engines (Gas).
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Henry Maurer, New York
Pioneer Fireproof Construction Co., Chicago, Ill
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Ridgway Furnace Co, Boston, Mass. (eow)
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Gas-Machines.
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Utica Stained Glass Works, Utica, N. Y. (mon)
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Smith & Anthony Stove Co., Boston (mon)
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Huyett & Smith Mfg. Co., Detroit, Mich.
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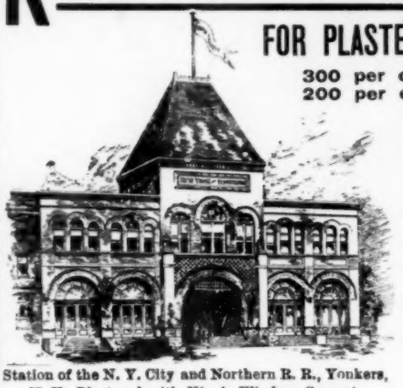

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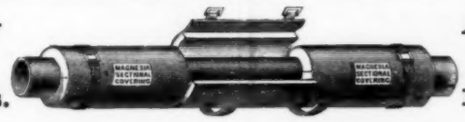

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United States Heating and Plumbing Co., Boston, Mass.....(eow)
Sash-Chains.
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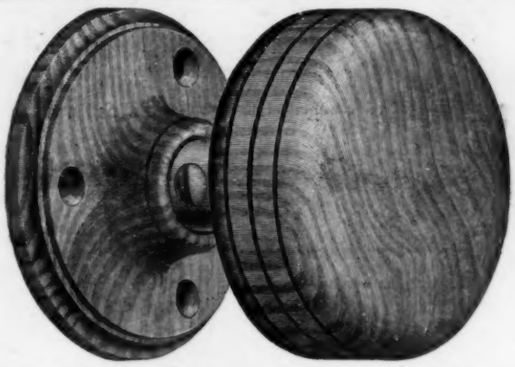

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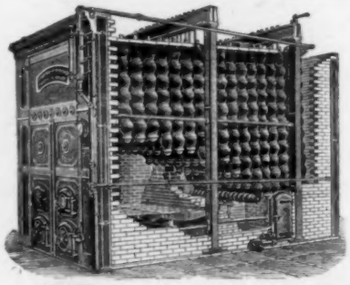

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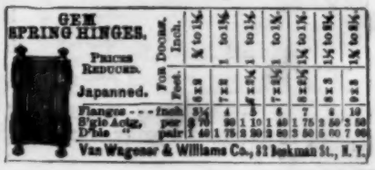

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" 2d quality	55 00 @ 60 00	42 00 @ 50 00	25 00 @ 28 00	40 00 @ 45 00
" 3d quality	18 00 @ 22 00	35 00 @ 40 00	14 00 @ 20 00	30 00 @ 35 00
Spruce	@ 25 00	13 00 @ 25 00	*Not sold.*	16 00 @ 20 00
Hemlock	ea 13½ @ 14	13 00 @ 15 00	@ 12 00	11 25 @ 13 50
Yellow pine	20 @ 40	25 00 @ 35 00	29 00 @ 37 00	14 00 @ 29 00
Cypress	@	32 00 @ 40 00	@	@ 35 00
Clapboards:				
Pine	@	40 00 @ 60 00	10 00 @ 22 00	14 00 @ 25 00
Spruce	@	25 00 @ 45 00	*Not sold.*	*Not Sold.*
Framing Timber:				
Pine			12 00 @ 15 00	25 00 @ 37 30
Spruce	14 00 @ 18 00	15 50 @ 20 00	*Not sold.*	16 00 @ 18 00
Hemlock	12 00 @ 16 00	14 00 @ 16 00	10 00 @ 13 00	13 00 @ 17 00
Yellow pine	18 00 @ 21 00	24 00 @ 35 00		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 ₱ 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 ₱ 125	1 40 @ 1 60	3 75 @ 4 00	6 00 @ 7 50	30" $35 @ 40
Cedar, split ₱ 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 ₱ ft.	4½ @ 5½	Piles 6c. ₱ ft.	Cut to order.	
Fence pickets, Commo	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 "	@	25 @ 50	*Not sold.*	20 @ 30
Finishing Woods: ₱ M. (*First Qual.* [*Kiln dried.*)				
Ash	@ 55 00	45 00 @ 60 00	30 00 @ 40 00	30 00 40 00
Cherry	80 00 @ 120 00	85 00 @ 120 00	80 00 @ 100 00	80 00 @ 100 00
Butternut	40 00 @ 60 00	60 00 @ 70 00	50 00 @ 60 00	70 00 @ 80 00
Hard-pine floors (rift)		50 00 @ 60 00		
Mahogany, Baywood [Mexican]	@ 180 00	150 00 @ 160 00	150 00 @ 200 00	150 00 @ 250 00
" St. Domingo	@ 350 00	120 00 @ 350 00	200 00 @ 250 00	200 00 @ 400 00
Maple	45 00 @ 50 00	45 00 @ 50 00	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 @ 80 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 ₱ ft.	@ 6		@ 7	
Spruce floors (clear, kiln-dried)		32 00 @ 35 00		
Walnut, black	125 00 @ 150 00	85 00 @ 120 00	55 00 @ 100 00	50 00 @ 170
Whitewood	45 00 @ 50 00	40 00 @ 45 00	18 00 @ 40 00	25 00 @ 40 00
Yellow pine ₱ M	@ 45 00	40 00 @ 42 00	29 00 @ 40 00	27 50 @ 45 00

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Chicago pressed (Anderson)			25 00 @	Third " @ 13 00
Chicago Moulded			60 00 @ 100 00	
Baltimore	7 00 @ 41 00		30 @	
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Trenton	@ 22 00		55 00 @ 65 00	
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Planed	50 @ 6 00	75	50 @ 1 00	37 @ 50
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Brown (Connecticut)	1 00 @	1 25 @ 1 45	1 50 ℔ cub. ft.	1 05 @ 1 35
Amherst } Ohio	90 @ 95	90 @ 1 00	45 @ 50	55 @ 1 00
Berea } Ohio	75 @ 1 00	80 @ 90	45 @ 55	
Berlin } Ohio	75 @ 1 00	80 @ 90	55 @ 65	
Belleville	60 @ 1 25	1 25 @ 1 35	@ 1 25	1 10 @ 1
New Brunswick (Dorchester)	@ 1 00	75 @ 90	"	1 00 @ 1
Caen	@	@ 2 00	"	1 25 @ 1
Carlisle. English	@ 1 05	@ 1 05		95 @ 1
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	350 @ 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	@ 00 00	10 00 @ 11 00	12 00 @ 14 00	7 50 @ 10 25
" black, Lehigh	4 25 @ 4 75	@	6 25 @ 6 85	3 25 @ 4 00
" " Chapmans	— @ —	@	7 30 @ 8 00	4 00 @ 4 65
" Unfading Black, Monson, Me.	5 50 @ 8 00	5 50 @ 8 0	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 @ 7½	@ 7½	6½ @ 7	@ 7
" Zinc, "	5 @ 8½	@ 8	7 @ 10½	@ 7
Red lead, Am.,	6½ @ 7	@ 7½	6½ @ 7	@ 7
" Venetian	6 @ 10½	7 @ 12	1½ @ 2½	dry Eng. @ 8
" Vermilion	65 @ 70	72 @ 75 dry	65 @ 68	Eng. @ 66
Red Indian, Eng.	12 @ 20	12 @ 20	12 @ 20	6½ @ 7
Yellow Ochre	6 @ 15	7 @ 12	3 @ 15	dry Am. @ 1½
" Chrome	12 @ 20	18 @ 25	15 @ 25	@ 18
Green (chrome)	8 @ 13	8 @ 20	8 @ 20	@ 12
Green, Paris,	25 @ 40	25 @ 40	18 @ 35	" 20 @ 25
Black, lamp,	15 @ 25	15 @ 25	8 @ 30	@ 12
Blue, ultramarine	12 @ 18	18 @ 30	12 @ 35	@ 20
Oil, linseed, (raw) (℔ gal.)	60 @ 63	60 @ 61	57 @ 60	@ 58
" " boiled (℔ gal.)	63 @ 66	63 @ 64	60 @ 63	@ 61
Turpentine (℔ gal.)	40 @ 41	@ 47	51 @ 51	@ 50
Varnish, coach (℔ gal.)	@	1 50 @ 6 00	1 25 @ 2 00	@ 3 00
Shellac (℔ gal.)	@	2 50 @ 3 00	2 25 @ 4 00	@ 2 75
Putty	2 @	2 @ 4	02 @ 02½	@ 2
Whiting (Dry)	75 @ 1 00	1 @ 1½	1 @ 1½	@ 1
Paris white, (Eng.) (Dry)	1 30 @ 2 00	2 @ 3	1½ @ 2	@ 1½
Litharge, Am. (Dry)	5½ @ 6	@ 7½	6½ @ 7	@ 7
Sienna (burnt) (Dry)	14 @ 20	14 @ 20	4 @ 16	@ 14
Umber. " (Dry)	14 @ 20	14 @ 20	2 " 10	@ 12
HARDWARE.				
Nails: (Per Cask.) Spikes, (wrought.)	@ 2 85		2 75 @ 3 00	pr kg @ 2 25
10d. common	@ 2 60	@ 2 20	@ 2 85	@ 2 30
Shingle	@ 3 35	@ 2 30	@ 2 75	@ 2 60
Lath	@ 4 85	@ 3 5	@ 3 65	3 60 @ 4 75
Finishing nails according to size.)			Add .85 to $1.15	per ℔ 4 @ 6
(For casing nails add 75c. per keg.)			" .50 to .90	Add pr cask
Butts: 4" x 4" (℔ 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 (℔ pair.)	@ 65	@ 50	*Not sold.*	48 @ 50
Bronze metal	@ 1 90	plain 1 65	2 60 @ 3 25	@ 1 25
Brass (on cupboards)	@ 10	@ 10	@ 12	@ 1 00
Ebony				@ 35
Apple wood				37 @ 1 00
Knobs: (℔ 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 @ 16	13½ @ 16
Sheet Lead		@ 7½	7	@ 6½
Lead Pipe		@ 7	6½	6 @ 6
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I-Beams, up to and including 30 ft.	3 3-10 @ 3½	@ 3 1-10	@	@ 2 8-10
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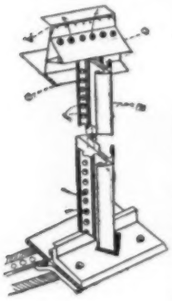

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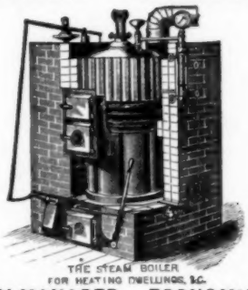

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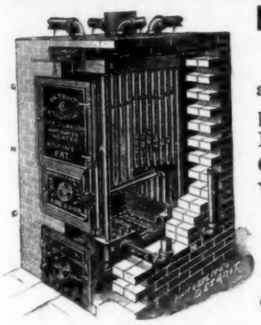

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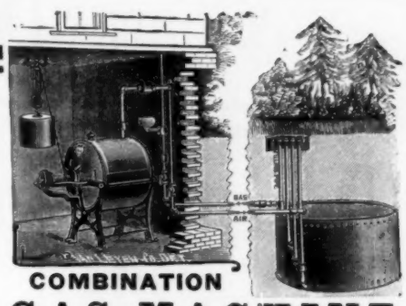

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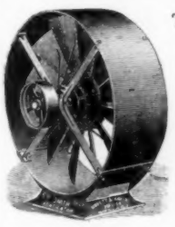

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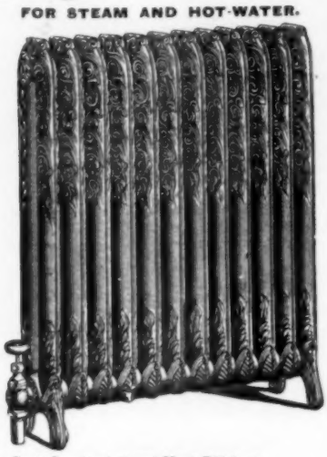

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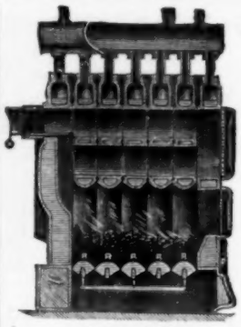

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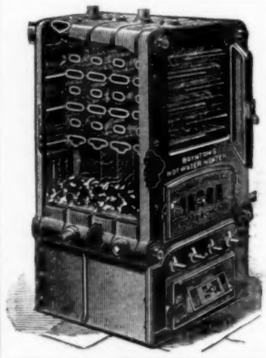

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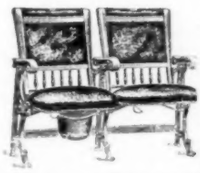
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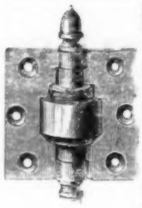
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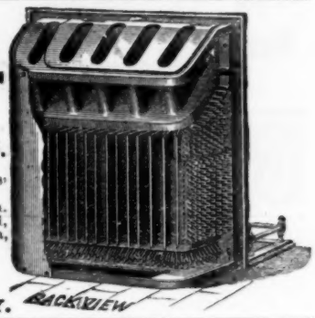

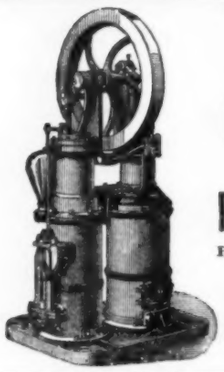

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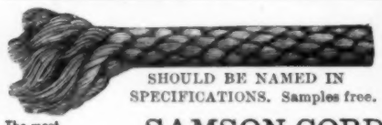

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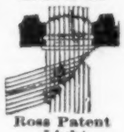
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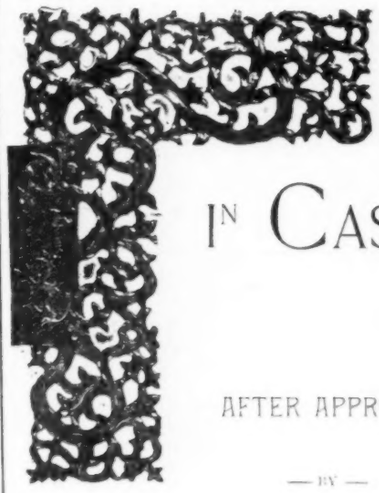

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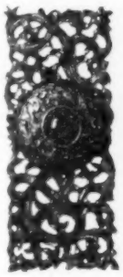

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BUILDING INTELLIGENCE.

(Reported for The American Architect and Building News.)

[*Although a large portion of the building intelligence is provided by their regular correspondents, the editors greatly desire to receive voluntary information, especially from the smaller and outlying towns.*]

ALTERATIONS.

Boston, Mass.—*Temple Pl., No.* 44, Ward 10, remodelling first story of mercantile building; owner, John A. Whipple; builder, James McNeil.

Longwood, Mass. — *Sewell Ave.*, alterations to dwell.; owner, E. W. Anthony; architect, E. A. P. Newcomb, Boston.

West Newton, Mass. — Alterations to dwell. for Wm. H. Pulsifer; architect, E. A. P. Newcomb, Boston; builders, Johnson Bros. and Garey & English.

APARTMENT-HOUSES.

Chicago, Ill. — Martin Olson, two-st'y flats, 674 Seymour St.; cost, $2,500.

R. & J. Ingwell, two-st'y flats, 593 Walnut St.; cost, $3,000.

C. P. Walda, four-st'y flats, Bowen and St. Lawence Ave.; cost, $7,000.

L. B. Converse, two-st'y flat, 4347 Berkeley Ave.; cost, $3,000.

John M. Herman, three-st'y flat, 1308 West Sixteenth St.; cost, $3,000.

Mrs. Mary Schuster, three-st'y flats, 1517 Lexington Ave.; cost, $3,000.

C. Ummock, two-st'y flats, 282 North May St.; cost, $9,000.

Andrew Brendler, two-st'y flats, 163 Twenty-third Pl.; cost, $4,900.

Thomas Goodbody, two-st'y flats, 8 De Kalb Ave.; cost, $5,500.

Jno. Peterson, two-st'y flats, 1483 Roscoe St.; cost, $2,200.

M. Weniger, 2 two-st'y flats, 416 South Paulina St.; cost, $7,300.

C. E. Phelps, 2 two-st'y flats, Morgan and Sixty-ninth Sts.; cost, $3,000.

C. E. Phelps, 2 two-st'y flats, Aberdeen St., near Fifty-seventh St.; cost, $4,000.

J. N. McPike, two-st'y flats, Webster Ave., near Seventy-fourth St.; cost, $2,500.

Mrs. Anna H. Houston, 2 three-st'y flats, 731 Jackson St.; cost, $12,000.

Edward Shay, two-st'y flats, 1487 West Congress St.; cost, $3,000.

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See last or next issue for the following advertisements.

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See the first issue of the month for the following advertisements.

Walton Architectural Iron Co.
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BUILDING INTELLIGENCE.

A. Chianson, two-st'y flats, 113 Barclay St.; cost, $2,000.

HOTELS.

New York, N. Y.—*Fifth Ave.*, n e cor. Fifty-ninth St., fourteen-st'y brick and stone fireproof hotel; cost, $1,500,000; owner, Astor estate; architect, Wm. H. Hume.

HOUSES.

Boston, Mass.—*St. Botolph St., Nos. 2 to 8*, Ward 11, 4 three-st'y brick dwells., pitch roofs, 25′ x 34′; owner, T. M. Clark; builder, L. J. O'Toole.

Bolton St., No. 267, Ward 14, three-st'y frame dwell., flat roof, 22′ x 40.7′; owner, Jeremiah Ryan; builder, W. T. Eaton.

Quincy St., No. 60, Ward 21, three-st'y frame dwell., flat roof, 28′ x 54′; owner and builder, W. H. Treworgy.

East Fourth St., Nos. 779-781, Ward 14, 2 three-st'y frame dwells., flat roofs, 25.11′ x 69.11′; owner, M. E. Lawton; builder, W. T. Eaton.

Childs St., cor. Call St., Ward 23, three-st'y frame dwell. and store, flat roof, 20′ x 40′; owner, Thomas Minton.

Childs St., near Call St., Ward 23, three-st'y frame dwell., flat roof, 20′ x 40′; owner, Thomas Minton.

Leyland St., near Cottage St., Ward 20, 4 three-st'y frame dwells., hip roofs, 22.6′ x 49′; owner and builder, H. H. Fernald.

Washington St., near Beech St., Ward 23, frame dwell., 20′ x 30′; owner, Sophia E. Wills; builder, R. T. Wills.

Parker St., near Hillside St., Ward 22, frame dwell., 27′ x 45′; owner, C. T. Grant; builder, G. Merz.

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BUILDING INTELLIGENCE.

Plain St., nearly opp. Oak Ave., Ward 24, frame dwell., 26′ x 34′; owner, Patrick Roach; builder, P. P. Nichols.

Sheridan St., near Chestnut Ave., Ward 23, frame dwell., hip roof, 33′ x 46′; owner, E. F. Beal; builder, H. P. Oakman.

Roxbury St., Nos. 303 *to* 321, Ward 19, 5 four-st'y frame dwells. and stores, flat roofs, 30′ x 56′; owner, Jacob Goldsmith; builder, J. F. Kinney.

Chelsea St., Nos. 324-326, Ward 1, three-st'y frame dwell., flat roof, 22′ x 43′; owner, Sarah Murphy; builder, James McInnis.

Chelsea St., No. 326, three-st'y frame dwell., flat roof, 20.6′ x 36′; owner, J. Mulholland; builder, James McInnis.

Gay Head St., Nos. 23-24, *Westerly Terrace, Nos.* 7-8, Ward 22, four frame dwells., 25′ x 26.6′ and 26.6′ x 36′; owners, Workingmen's Building Association; builder, G. W. Pope.

Pope's Hill St., near Houghton St., Ward 24, frame dwell., 30′ x 30′; owner, J. H. Carter; builders, J. A. Vickery & Son.

Kilsyth Rd., near Lanark Rd., Ward 25, frame dwell., 42′ x 45.6′; owner, J. N. Frye; builders, Sulis & Wallis.

Standish Ave., near Harvard Ave., Ward 24, frame dwell., 27′ x 47′; owner, C. Brant; builders, Boynton & Son.

Savin Hill Ave., No. 301, Ward 24, three-st'y frame dwell., flat roof, 24′ x 55′; owner, Jessie M. Duncan.

Brent St., near Washington St., Ward 24, frame dwell., 23′ x 38′; owner and builder, W. Peard.

Brookfield St., near South St., Ward 23, frame dwell., 24′ x 26′; owner and builder, E. McDonald.

Jewett St., near Neponset Ave., Ward 23, frame dwell., 24′ x 51′; owner, Mrs. C. McManus; builder, J. F. Sullivan.

Custer St., near Goldsmith St., Ward 23, three-st'y frame dwell., pitch roof, 22′ x 50′; owner, Mrs. C. A. Brodrick; builder, J. F. Sullivan.

Round Hill St., No. 27, Ward 22, frame dwell., 25′ x 26.6′; owners, Workingmen's Building Association; builder, G. W. Pope.

Sunnyside Terrace, No. 17, Ward 22, frame dwell., 26.6′ x 36′; owners, Workingmen's Building Associatiod; builder, G. W. Pope.

Central Ave., No. 345, Ward 22, frame dwell., 26′ x 42′; owners, Workingmen's Building Association; builder, G. W. Pope.

Coleridge St., near Short St., Ward 1, frame dwell., 21′ x 38′; owner, R. T. Crosbie; builder, C. A. Vallie.

Saratoga St., cor. Byron St., Ward 1, three-st'y frame dwell., flat roof, 23′ x 54′; owner, J. Hurdman; builder, J. G. Martin.

Salcomb St., near Cushing Ave., Ward 24, frame dwell., 30′ x 37′; owner, Caroline T. Chittenden; builder, G. D. Grant.

Rockview St., near Green St., Ward 23, two frame dwells., 14′ x 51′; owner, E. C. Keller; builder, G. A. Cahill.

Prior Pl., off Richfield St., Ward 24, frame dwell., 28′ x 29′; owner and builder, G. L. Davidson.

Wyman St., No. 24, Ward 23, frame dwell., 24′ x 43′; owner, Robt. McLeod; builder, John Purdy.

Roberts St., near Brookfield St., Ward 23, frame dwell., 21′ x 30.6′; owner and builder, Thos. Condon.

BUILDING INTELLIGENCE.

Richmond St., No. 123, Ward 24, three-st'y frame dwell., flat roof, 32′ x 45′; owner, G. F. Savage; builder, W. J. Smith.

Wren St., near Rutledge St., Ward 23, frame dwell., 22′ x 40′; owner, Mrs. M. ·. Homer; builder, W. S. Mitchell.

Whitman St., near Norfolk St., Ward 24, two frame dwells., 23′ x 36′ and 24′ x 30′; owner and builder, James F. Haddock.

Hyde Park Ave., near Ashland St., Ward 23, two frame dwells., 28′ x 35.6′; owner, Sophia Schroater; builder, F. Schroater.

Clifford St., near Canterbury St., Ward 23, frame dwell., 18′ x 26′; owner, Anthony Lenthy; builder, Frank Havey.

Washington St., No. 3152, Ward 23, three-st'y frame dwell., flat roof, 24′ x 53.10′; owner, Alice J. Aspinwall; builders, Wilson & Sweeney.

Brookford St., No. 25, cor. Dacia St., Ward 20, three-st'y frame dwell., 31′ x 39′; owner, Eliza C. Fisher; builder, M. Sullivan.

Cherry St., No. 21, *rear*, Ward 20, frame dwell., 21.9′ x 30.4′; owner, W. Lyons; builder, D. Currier.

Quincy St., No. 63, *rear*, Ward 21, three-st'y frame dwell., flat roof, 26.6′ x 41.6′; owner, Patrick S. Vally; builder, P. T. Hanlon.

Frankfort St., near Bennington St., Ward 1, frame dwell., 20′ x 30′; owner, G. E. Harper; builders, Hatt & Rogers.

Elm St., No. 68, Ward 3, three-st'y frame dwell., flat roof, 27.6′ x 27′; owner, Walter Nash; builder, A. H. Sheffield.

Dacia St., Nos. 3-5, Ward 20, 2 three-st'y frame dwells., flat roofs, 31′ x 37′; owner, Eliza C. Fisher; builder, M. Sullivan.

Centre St., No. 347, Ward 22, frame dwell., 30′ x 46.9′; owner, Sarah E. Morse; builder, I. Sprague.

Westerly Terrace, cor. Sunnyside Terrace, Ward 22, three-st'y frame dwell., pitch roof, 27′ x 40′; owner, Catherine Oberhanser; builder, D. McDonald.

Dorchester St., No. 277, Ward 15, two-st'y frame dwell., flat roof, 12′ x 50′; owner, Mrs. A. Porter; builder, R. H. Barham.

Brooklyn, N. Y.—*Harrison Ave.*, s e cor. Wallabout St., 2 four-st'y frame dwells. and stores, tin roofs; cost, $12,000; owner, Leonard Haas, Flatbush, L. I.; architect, Th. Engelhardt, 905 Broadway.

Eleventh St., n s, 287′ e Eighth Ave., 2 two-st'y and basement brick dwells., tin roofs; cost, each, $4,500; owner, F. O. Peterson, Eleventh St., bet. Seventh and Eighth Aves.

Pacific St., s s, 300′ w New York Ave., two-st'y and attic brick dwell., slate roof; cost, $15,800; owner, W. S. Ray, 15 White St., New York; architects, J. C. Cady & Co., 111 Broadway, New York.

President St., s s, 216′ 7″ e Henry St., four-st'y brick dwell., tin roof; cost, $8,000; owner, George B. Dearing, 467 Hicks St.; architect, F. F. Houghton, 340 Fulton St.

Cooper St., n s, 218′ 4″ e Broadway, 8 three-st'y brick dwells., tin roofs; cost, each, $4,500; owner, architect and builder, Wm. McClennahan, 1911 Bergen St.

Miller Ave., w s, 100′ n Fulton Ave., two-st'y frame dwell., tin roof; cost, $3,000; owner, Wm. E. Wicks, 97 Sheffield Ave.

BUILDING INTELLIGENCE.

Monroe St., n s, 200′ e Patchen Ave., 5 four-st'y brick dwells., tin roofs; cost, each, $11,000; owner, R. D. Robbins, 554½ Monroe St.; architect, Henry Vollweiler, 14 Elm St.

Humboldt St., e s, 100′ s Van Cott Ave., 6 three-st'y frame dwells., tin roofs; cost, each, $3,800; owner and builder, Chas. Engert, 182 Montrose Ave.; architect, F. J. Berlenbach, Jr., 266 Graham Ave.

Ninth Ave., e s, 40′ n Eighteenth St., three-st'y frame dwell., tin roof; cost, $3,500; owner, Peter J. McCadden, 340 Prospect Ave.; architect, M. McCadden, 537 Eighteenth St.

Eighteenth St., n s, 280′ w Tenth Ave., three-st'y frame dwell., tin roof; cost, $3,000; owner and builder, M. McCadden, 537 Eighteenth St.

Eleventh St., n s, 20′ 6″ e Sixth Ave., 7 three-st'y brick dwells., tin roofs; total cost, $34,000; owner, James Jack, on premises; architect, Robert Dixon, 219 Montague St.

Greene Ave., s s, 27′ w Sumner Ave., 4 two-and-one-half-st'y brick dwells., tin roofs; cost, $5,000 each; owner, T. B. Bryant, 272 Lewis Ave.; architects, J. D. Reynolds & Son, 363 Fulton St.

Fourteenth St., n s, 285′ 4½″ w Ninth Ave., 3 two-st'y brick dwells., tin roofs; cost, $4,750 each; owner, C. C. Firth, 509 Sixth Ave.; architect, W. O. Tait, 166 Montague St.

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BUILDING INTELLIGENCE.

Diamond St., w s, 284′ 10″ n Van Cott Ave., three-st'y frame dwell., gravel roof; cost, $4,000; owner, J. W. Ahlers, 193 Kent St.; architect, P. Tillion, 202 Manhattan Ave.

Bergen St., s s, 100′ e Buffalo Ave., 7 two-st'y frame dwells., gravel roofs; cost, $1,500 each; owner, George Sickels, 632 Gates Ave.; architect, F. W. Ames, 1002 Halsey St.

Grattan St., s s, 125′ w Morgan Ave., three-st'y frame dwell., tin roof; cost, $4,500; owner, Peter Ricter, 34 Wall St.; architect, Th. Engelhardt, 905 Broadway.

Forty-seventh St., s s, 200′ e Third Ave., three-st'y frame dwell., tin roof; cost, $4,000; owner, M. Burke, 156 West Fifty-third St., New York; architects, H. L. Spicer & Son, Third Ave. and Fifty-third St.

Elton St., w s, 125′ n Liberty Ave., three-st'y frame dwell., tin roof; cost, $4,000; owner, John Reilly, Elton St., near Liberty Ave.; architect, John E. Dwyer, 1540 Broadway.

Park Ave., n s, 75′ e Delmonico Pl., three-st'y frame dwell., tin roof; cost, $4,200; owner, Charles Kiehl, Bushwick Ave. and Linden St.; architect, John Platte, 225 Lynch St.

Madison St., n s, 225′ e Bushwick Ave., two-st'y frame dwell., with extension, tin roof; cost, $3,500; owner, Mr. Lehmann, 12 Summer Ave.; architects, D. Acker & Son, 752 Broadway.

Stagg St., s s, 200′ e Waterbury St., three-st'y frame dwell., tin roof; cost, $4,500; owners, Detrick & Reitzenstein, Ellery St.; architects, D. Acker & Son, 752 Broadway.

Eckford St., e s, 161′ 1½″ n Van Cott Ave., 3 three-st'y frame dwells., felt and gravel roofs; cost, $2,300 each; owner and architect, Thomas Haslam, 119½ Colyer St.

Wallabout St., n s, 100′ w Marcy Ave., 4 three-st'y frame dwells., tin roofs; cost, $4,200 each; owner, Jacob Bossert, Middleton St. and Lee Ave.; architect, John Platte, 225 Lynch St.

BUILDING INTELLIGENCE.

Park Ave., n s, 50′ e Delmonico Pl., three-st'y frame dwell., tin roof; cost, $3,500; owner, Charles Kiehl, Bushwick Ave. and Linden St.; architect, John Platte, 225 Lynch St.

Huron St., No. 200, s s, three-st'y dwell. and driveway, felt and gravel roof; cost, $4,000; owner, S. Desmond, on premises; architect, John C. Snackenberg, 142 Franklin St.

Hopkins St., n s, 225′ w Throop Ave., three-st'y frame dwell., tin roof; cost, $4,300; owner, E. Ingold, 686 Flushing Ave.; architect, E. Schrempf, 788 Myrtle Ave.

Hart St., s s, 325′ e Knickerbocker Ave., 2 three-st'y frame dwells., tin roofs; cost, $4,000; owner, Louis Dolde, 133 Oakland St.; architect, Henry Vollweiler, 14 Elm St.

Forty-sixth St., 180′ e Fifth Ave., two-st'y brick dwell., tin roof; cost, $3,200; owner, F. Alessi, Third Ave. and Fifty-third St.; architects, H. L. Spicer & Son, Third Ave. and Fifty-third St.

First Pl., s s, 225′ e Court St., five-st'y brick dwell., tin roof; cost, $11,000; owner, James Finlay, 81 New St., New York; architect, John J. Kiersf, 81 New St., New York.

Ninth Ave., e s, 60′ n Eighteenth St., three-st'y frame dwell., tin roof; cost, $3,500; owner, Dennis McAuliff, 459 Seventh Ave.; builder, M. McCadden, 537 Eighteenth St.

Osborn St., e s, 25′ n Dumont Ave., 3 two-st'y frame dwells., tin roofs; cost, each, $2,000; owner, S. C. Wilson, Baldwin's, L. I.

Eighteenth St., n s, 100′ e Tenth Ave., three-st'y frame dwell., tin roof; cost, $3,000; owner, Mrs. Kinney, Nineteenth St. and Eleventh Ave.; builder, M. McCadden, 537 Eighteenth St.

Bedford Ave., e s, 75′ 2½″ s Rodney St., three-st'y brick dwell., tin and slate roof; cost, $8,200; owner and builder, Chas. Engert, 182 Montrose St.; architect, F. J. Berlenbach, Jr., 260 Graham Ave.

Macon St., s s, 227′ w Ralph Ave., 10 two-st'y brick dwells., tin roofs; cost, each, $4,500; owner, R. F. Clayton, 305 Stuyvesant Ave.; architect, W. F. Clayton, 305 Stuyvesant Ave.

Jefferson Ave., s s, 225′ w Ralph Ave., 3 two-st'y brick dwells., tin roofs; cost, each, $4,000; owners and architects, Samuel Ayres and C. E. Palmer, 832 Jefferson Ave.

Jefferson Ave., s s, 80′ e Bushwick Ave., 6 three-st'y brick dwells., tin roofs; cost, each, $4,000; owner, architect and builder, Stephen J. Burrows, 226 Ainslie St.

BUILDING INTELLIGENCE.

Van Voorhees St., n s, 175′ w Bushwick Ave., 2 three-st'y frame dwells., tin roofs; cost, $5,000; owner, M. Bossert; architects, D. Acker & Son, 782 Broadway.

Park Pl., s s, 300′ e Carlton Ave., three-st'y brick dwell., tin roof; cost, $8,000; owner, J. Kanvalinka, on premises; architect, John Brophy, 612 Baltic St.

Olive Pl., e s, 80′ s Herkimer St., 5 two-st'y frame dwells., tin roofs; cost, each, $1,500; owner, R. E. Parkson, 510 Clinton St.; architect, M. H. Hawkins, 258 Hart St.

Patchen Ave., s w cor. Quincy St., two-st'y brick dwell., tin roof; cost, $15,000; owner, John McQuaid, 257 Humboldt St.; architect, Th. Engelhardt, 905 Broadway.

Harrison Ave., e s, 50′ n Wallabout St., four-st'y frame dwell., tin roof; cost, $5,500; owner and architect, Richard Von Lehn, 109 Walton St.

Chicago, Ill. — W. Kent, 7 three-st'y dwells., Forty-third St. and Calumet Ave.; cost, $45,000.

P. W. George, two-st'y dwell., Sixtieth St., near School St.; cost, $3,000.

J. N. Snyder, two-st'y dwell., 6449 Ridge Ave.; cost, $2,000.

F. B. Clark, 3 two-st'y dwells., 436-444 Fifty-ninth St.; cost, $7,000.

Charles H. Brown, two-st'y dwell., 895 Walnut St.; cost, $3,000.

James H. McGill, two-st'y dwell., 823 Adams St.; cost, $5,000.

E. D. Ellis, two-st'y dwell., 412 West Jackson St.; cost, $12,000.

Dennis Burns, two-st'y dwell., Halsted St., near Seventy-fourth St.; cost, $2,400.

S. P. Chantrell, two-st'y dwell., 608 Fulton St.; cost, $3,000.

J. F. Neagle, two-st'y dwell., 1005 Park Ave.; cost, $5,000.

A. W. McGarland, two-st'y dwell., Winter St., near Seventy-seventh St.; cost, $5,000.

Edward D. Morse, 3 two-st'y dwells., 5628-30 Ellis Park; cost, $4,000.

T. W. Callahan, two-st'y dwell., Emerald Ave. and Seventy-seventh St.; cost, $3,000.

A. Delfossie, three-st'y dwell., 4417 Ellis Ave.; cost, $9,000.

W. L. Mann, three-st'y dwell., 4842 Vincennes Ave.; cost, $10,000.

W. Meyer, three-st'y dwell., 42 St. James Pl.; cost, $6,000.

Nichols Pouil, two-st'y dwell., 542 Sedgewick St.; cost, $2,000.

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Wash Van Horn, 2 two-st'y dwells., Sulzer St., near Paulina St.; cost, $3,000.

R. S. Moth, cottage, Clark and Thomas Sts.; cost, $2,000.

Michael Walsh, 2 three-st'y dwells., 2511-13 Indiana Ave.; cost, $20,000.

George L. Brown, two-st'y dwell. and barn, 2925 Indiana Ave.; cost, $7,000.

J. W. Morgan, two-st'y dwell., 1498 West Monroe St.; cost, $5,000.

Chicopee Falls, Mass.—Berry Freeman, dwell.; cost, $2,500; builders, D. B. Griggs & Sons.

New York, N. Y.—*Eighty-first St.*, n s, 120′ w Central Park, 2 four-st'y brick, stone and terra-cotta dwells.; cost, abt. $50,000; owners, Wm. B. Baldwin and George B. Currier; architect, Francis H. Kimball.

Seventy-fifth St., s s, 75′ e Columbus Ave., 5 four-st'y dwells.; cost, $140,000; owner, Jas. T. Hall; architect, George H. Budlong.

Seventh Ave., w s, 25′ 2½″ s One Hundred and Eleventh St., two-st'y brick dwell., tin roof; cost, $6,000; owner, Francis J. Schnugg, 9 East Eighty-fifth St.; architect, Louis Eutzer, Jr., 179 East Ninety-sixth St.

One Hundred and Third St., n s, 80′ e West End Ave., 3 three-st'y brick dwells., tin roofs; cost, $29,000; owners, Walker & Lawson, 792-798 West End Ave.; architect, M. V. B. Ferdon, 272 West Thirty-fourth St.

Eighty-fifth St., n s, commencing 99′ w West End Ave., 3 three-st'y brick dwells., mansard, tin and tile roofs; cost, $45,000; owner, George J. Cohen, 101 West Seventy-sixth St.; architect, Ralph S. Townsend, 1300 Broadway.

Philadelphia, Pa.—*Newcomb St.*, s s, e Eighteenth St., 2 two-st'y dwells.; contractor, Jas. Mole, 1707 Dounton St.

Cayuga St., e Sixteenth St., 8 two-st'y dwells.; contractor, H. O. Smith, Pulaski and Erie Aves.

Jefferson St., s Orthodox St., 2 two-st'y dwells.; owner, W. W. Worrall, 166 Gillingham St.

Green St., e and w s, n Roberts Ave., 31 two-st'y dwells.; contractor, H. O. Smith, Pulaski and Erie Aves.

Mascher St., n Huntingdon St., two-st'y dwell.; contractor, Danl. Neveling, 2506 Mascher St.

Twelfth St., e s, s McKean St., 3 two-st'y dwells.; owner, Thos. H. Hay, 1439 South Twentieth St.

Lafayette St., w Ninth St., 2 two-st'y dwells.; owner, Jas. Sweeny, 1164 South Ninth St.

Columbia St., No. 2552, three-st'y dwell.; contractor, R. B. Clark, 778 North Twenty-seventh St.

Corlies St., w s, s Susquehanna Ave., 16 two-st'y dwells.; owners, Jas. H. Stevenson & Son.

Emerald St., n Adaline St., two-st'y dwell.; owner, J. M. Simonin, Trenton Ave. and Clearfield St.

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Stanley St., e s, s Susquehanna Ave., 16 two-st'y dwells.; owners, Jas. H. Stevenson & Son.

Susquehanna Ave., s s, w Thirtieth St., 7 two-st'y dwells.; owners, Jas. H. Stevenson & Son.

Ridge Ave., e s, n Diamond St., 5 three-st'y dwells.; owners, Jas. H. Stevenson & Son.

Palethorp St., e s, n York St., 2 two-st'y dwells.; contractor, D. C. Schuler, 2327 North Sixth St.

Venango St., s s, e Broad St., 5 three-st'y dwells.; owner, D. M. Bleyler, 1328 Olive St.

Broad St., w s, s Dauphin St., 2 three-st'y dwells.; owner, C. H. Wisler, 733 West Cumberland St.

Washington St., s s, e Edmund St., two-st'y dwell.; contractor, R. C. Winnals, 4637 Worth St.

Willow Ave., n s, n Wakeling St., two-st'y dwell.; contractor, R. C. Winnals, 4637 Worth St.

Reese St., e and w s, n Pike St., 4 two-st'y dwells.; owner, John Mitchell, 807 West Lehigh Ave.

Fifth St., w s, n Pike St., 2 two-st'y dwells.; owner, John Mitchell, 807 Lehigh Ave.

Emerald St., e s, n Adeline St., 3 two-st'y dwells.; owner, J. M. Simonin, Trenton Ave. and Clearfield St.

Thomas St., e s, s Rowan St., two-st'y dwell.; owners, Flood & Anderson, Trenton Ave., s Venango St.

Thirteenth St., n Butler St., 19 two-st'y dwells.; owner, Loyd Bailey, 3041 Frankford Ave.

Thirtieth St., e s, n Arizona St., 6 three-st'y dwells.; owner, Wm. F. Albrecht, 2341 North Twenty-ninth St.

Watkins St., No. 814, two-st'y dwell.; contractor, John Ennis, 719 McKean St.

McKean St., s s, w Tenth St., 10 two-st'y dwells.; owner, C. B. Prettyman, 1252 South Twentieth St.

Tenth St., w s, s McKean St., 4 two-st'y dwells.; owners, C. B. Prettyman, 1252 South Twentieth St.

Emily St., n and s s, w Tenth St., 7 two-st'y dwells.; owner, C. B. Prettyman, 1252 South Twentieth St.

Orianna St., w s, w Indiana Ave., 13 two-st'y dwells.; owner, John S. Kelly, 624 Erie Ave.

Bolton Ave., w Ridge Ave., two-st'y dwell.; contractor, H. C. Hays, Ridge Ave., opp. Crease St.

Reed St., n s, e Ninth St., 3 three-st'y dwells.; owner, D. S. McClure, 821 Reed St.

St. Mary St., s s, e Eighth St., 3 three-st'y dwells.; contractor, Jos. Price, 1228 Locust St.

College Ave., w s, n Poplar St., 3 two-st'y dwells.; contractors, Lewis Walter & Son, 2816 Goldbeck St.

Seibert St., w s, bet. Robinson and Mechanic Sts., two-st'y dwell.; contractor, Thomas Haggerty, Adams and Vincent Sts.

Forty-seventh St., w s, n Chester Ave., 2 three-st'y dwells.; owner, C. M. Busch, 504 South Forty-second St.

Botanic St., s s, w Seventy-sixth St., two-st'y dwell.; owner, Jas. F. Rowland, 1717 Otsego St.

Waterloo St., e s, n Lehigh Ave., 10 two-st'y dwells.; owner, E. J. Devlin, 1508 North Fourth St.

BUILDING INTELLIGENCE.

Longshore St., s w cor. Edmund St., 2 three-st'y dwells.; contractor, P. E. Costello, cor. Ditman and Knorr Sts.

Main St., n s, e Adams St., two-st'y dwell.; contractor, Thos. Macleer, 4203 Pechin St.

Girard Ave., n s, e Thirty-first St., 2 three-st'y dwells.; contractor, S. R. Kelly, 627 Filbert St

Camac St., e s, s Rockland St., three-st'y dwell.; owner, Jos. Tagnacco, 2137 Market St.

Harrison St., e s, s Wayne St., 25 two-st'y dwells.; contractor, Wm. A. McNabb, 208 Mill St.

Third St., w s, n Duncannon St., two-st'y frame dwell.; owner, P. L. Schaefer, n e cor. Third and Duncannon Sts.

Sumac St, n s, e Manayunk Ave., 3 two-st'y dwells.; owner, Wm. F. Albrecht, 2341 North Twenty-ninth St.

Twenty-ninth St., w s, n Clearfield St., 7 two-st'y dwells.; owner, Wm. F. Albrecht, 2341 North Twenty-ninth St.

Eighteenth St., e s, n Ontario St., 7 three-st'y dwells.; owner, Benjamin D. Gardiner, Manheim St.

Manayunk Ave., s e cor. Markle St., 5 three-st'y dwells.; owner, Jas. Harper, Terrace and Saill Sts.

Denny St., s s, w Germantown Ave., 5 two-st'y dwells.; contractor, Jas. Mole, 1722 Cayuga St.

Locust St., No. 1804, four-st'y dwell.; contractor, Chas. M. Walton, 2223 Fitzwater St.

Delaware Ave., n Sylvan St., three-st'y dwell.; owner, Thos. O. Enochs, Holmesburg.

Front St., w s, s Tioga St., 3 two-st'y dwells.; contractor, Job Rutty, 517 Venango St.

Orleans St., w s, n Ruth St., two-st'y dwell.; contractor, David Whinney, 2506 Emerald St.

Gray's Ave., s s, e Seventy-third St., 9 two-st'y dwells.; owner, Jos. Costello, 134 South Seventh St.

Haverford Ave., n s, w Sixty-first St., 5 two-st'y dwells.; owner, Geo. Wilkinson, 5436 Chestnut St.

Roberts Ave., s s, w Wayne St., 2 two-st'y dwells.; contractor, C. J. Appleton, 1645 Corr St.

Fifty-second St., bet. Lancaster Ave. and R. R., three-st'y dwell. and station; owners, Pennsylvania R. R., Thirty-second and Market Sts.

Mariner St., s w s, bet. Hermit and E Sts., 2 two-st'y dwells. and stores; contractor, Robert McCach, 4125 Main St.

Woodbine Ave., s s, e Bockins St., two-st'y dwell.; contractor, Charles S. Johnson, Locust Ave., Germantown.

Johnson St., e s, s Jefferson St., 2 three-st'y dwells.; contractor, E. H. Hannum, 55 Mill St.

Clarion St., s Clearfield Ave., two-st'y dwell. and store; owner, M. L. Hirst, 816 West Lehigh Ave.

Susquehanna Ave., e Thirty-first St., 8 three-st'y dwells.; owners, Jas. H. Stevenson & Son, Twenty-ninth and Diamond Sts.

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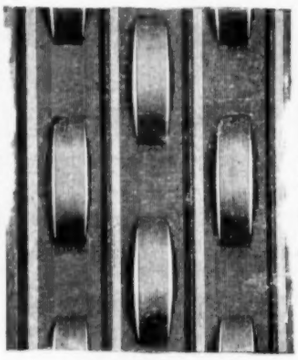

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Haworth St., s s, e Cedar St., 2 three-st'y dwells.; owner, Robert Beaver, Keystone and Tyson Sts.

Keystone and Unruh Sts., three-st'y dwell.; contractor, Thomas Waters, 4641 Melrose St.

Prospect St., s s, w Wood St., two-st'y dwell.; contractor, Michael Lesley, 140 Oak St., Manayunk.

Elwood St., w s, bet. Sixty-fifth and Sixty-sixth Sts., three-st'y dwell.; owner, R. J. Kirby, 425 Walnut St.

Wakefield St., w s, s Mechlin St., 4 two-st'y dwells.; contractors, Sims & Magridge, Newbold Ave.

Crothers Ave., near Eighty-sixth St., two-st'y dwell.; owner, Thomas Himmelright, Seventy-ninth St. and Brewster Ave.

Twenty-eighth St., w s, s Thompson St., two-st'y dwell.; contractor, Philip Halbach, Twenty-sixth and Thompson Sts.

Warnock St., w s, n Indiana Ave., 4 two-st'y dwells.; contractor, William Beattie, 2621 Germanton Ave.

Wellington St., n e cor. Livingston St., 3 two-st'y dwells.; contractor, C. W. Cox, 826 Federal St., Camden, N. J.

Harrison St., w s, n Harrocks St., three-st'y dwell.; owner, J. M. Cromwell, 8 Orthodox St.

Penn St., w s, s Harrison St., two-st'y dwell.; contractor, W. S. Roberts, 4915 Penn St.

Third St., e s, s Grange St., two-st'y dwell.; contractor, Charles Yundt, 2067 Germantown Ave.

Clarion St., s Clearfield Ave., 4 two-st'y dwells.; owner, M. L. Hirst, 816 West Lehigh Ave.

Elkhart St., n s, w Clarion St., 3 two-st'y dwells.; owner, M. L. Hirst, 816 West Lehigh Ave.

Jackson St., s s, w Twelfth St., 16 two-st'y dwells.; owner, Samuel Chestnut, 1247 South Seventeenth St.

Hancock St., e s, n Snyder Ave., 5 two-st'y dwells. owner, Rene Maffitt, 1926 East Second St.

Continued on page xix.)

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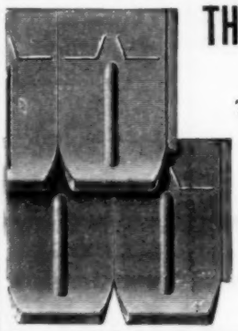

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Reed St., s s, n Twenty-second St., 12 two-st'y dwells.; owner, Andrew Hughes, 2128 Ellsworth St.

Hagerman St., e Longshore St., 3 two-st'y dwells.; contractor, Thomas Waters, 4641 Melrose St.

Eighteenth St., e s, n Ontario St., 5 three-st'y dwells.; owner, Benjamin D. Gardner, Manheim St.

St. Louis, Mo. — Two-st'y brick dwell.; cost, $9,000; owner and contractor, Thos. C. Higgins.

Two-st'y brick dwell.; cost, $15,000; owner and contractor, B. M. Proetz.

Two-st'y brick dwell.; cost, $4,500; owner, S. P. Robbins; contractor, G. G. Chapline.

Two-st'y brick dwell.; cost, $3,300; owner, Catherine A. Watson; sub-let.

Three-st'y brick dwell.; cost, $11,400; owner, M. Van Studdiford; contractor, C. B. McCormack.

Three-st'y brick dwell.; cost, $3,300; owner, Dan. Kelly; sub-let.

Two-st'y brick dwell., cost, $3,330; owner, John Grady; contractor, Thos. Brennan.

Two-st'y brick dwell.; cost, $3,500; owner, Wm. Stumpf; contractor, J. Tiegelmeyer.

Two-st'y brick dwell.; cost, $4,000; owner and contractor, E. Henner.

Two-st'y brick dwell.; cost, $3,000; owner and contractor, E. Henner.

Three-st'y brick dwell.; cost, $3,300; owner, H. G. Spering; contractor, Peter Tolk.

Two-st'y brick dwell.; cost, $25,000; owner, J. Winkelmeyer; contractor, C. Linnenkohl.

Two-st'y brick dwell.; cost, $4,000; owner, H. Vickory; contractors, Nicholson Bros.

Two adjacent two-st'y brick dwells.; cost, $6,000; owner, P. Gagemann; contractors, Vosse & Buxton.

Two-st'y brick dwell.; cost, $2,600; owner, Jno. Gindra; contractor, A. Dietz.

Two-st'y brick dwell.; cost, $8,000; owner and contractor, Thos. C. Higgins.

Two-st'y brick dwell.; cost, $5,000; owner, Jas. L. Williams; contractor, J. H. Keefe.

Two two-st'y brick dwells.; cost, $10,000; owner, S. T. Bleyer; contractor, J. H. Keefe.

OFFICE-BUILDINGS.

Philadelphia, Pa. — *Trenton Ave.*, e s, n Susquehanna Ave., two-st'y office and boiler-house; contractor, Wm. C. Haddock, 2219 East York St.

Fifty-fourth St., near Fifty-fifth St. and Monticelli Ave., one-st'y office; owners, P. R. R. Co.

PUBLIC BUILDINGS.

New York, N. Y. — *West Twenty-seventh St., Nos.* 104-108, four-st'y brick asylum, tin and slate roof; cost, $56,000; owner, N. Y. Juvenile Asylum, 30 West Twenty-fourth St.; architect, George Kent Radford, 76 Bible House.

Middleton, Mass. — Brick and stone Flint Memorial Library; contract to be let; architects, Loring & Phipps, Boston.

RAILROAD BUILDINGS.

Galveston, Texas. — Stone passenger station for the I. & G. N. and G., C. & S. F. Rys., slate roof; style, Italian Renaissance; cost, $50,000; architects, Perkins & Adams, Topeka, Kan.

Canon City, Col. — Passenger station; cost, $8,000; architects, Perkins & Adams, Topeka, Kan.

Dallas, Texas. — Passenger station for the Gulf, Colorado & Sante Fe Ry.; cost, $25,000; architects, Perkins & Adams, Topeka, Kan.

STABLES.

Brooklyn, N. Y. — *Greenpoint Ave.*, s s, 451' 10" w Manhattan Ave., three-st'y brick stable, tin roof; cost, $10,000; owner, George Treher, 135 Franklin St.; architect, C. Dunkase, 527 Grand St.

New York, N. Y. — *Seventy-seventh St.*, s s, 115' w Tenth Ave., two-st'y brick stable, tin roof; cost, $10,000; owner, Wilbur D. Ellis, 136 West Seventy-second St.; architect, Ralph S. Townsend, 1300 Broadway.

Philadelphia, Pa. — *Roberts Ave.*, e Wayne St., one-st'y stable; owner, C. J. Appleton.

Sixty-third-and-one-half St., w s, s Hamilton St., one-st'y stable; owner, B. S. Kelly, 434 North Sixty-third-and-one-half St.

Ludlow St., s s, w Thirty-ninth St., two-st'y stable; contractor, A. B. Rorke, 732 Drexel Building.

STORES.

Boston, Mass. — *East Broadway, Nos.* 732-734, Ward 14, three-st'y brick store and hall, flat roof, 29.4' x 94.9' owner and builder, W. T. Eaton.

Brooklyn, N. Y. — *Sixth Ave.*, n e cor. Eleventh St., three-st'y brick store and dwell., tin roof; cost, $6,000; owner, James Jack, on premises; architect, Robert Dixon, 219 Montague St.

Fourth Ave., s e cor. President St., three-st'y brick store and dwell., tin roof; cost, $6,000; owner, John Kermnen, Third Ave. and Sixteenth St.; architects, H. L. Spicer & Son, Third Ave. and Fifty-third St.

Nerins St., s e cor. Union St., four-st'y brick stores and dwells., tin roofs; cost, $7,000; owner, James Farrell, on premises.

Union St., n s, 260' e Van Brunt St., 3 five-st'y brick stores and dwells., tin roofs; cost, $9,000 each; owner, Daniel Ferry, 268 Court St.

Fourth Ave., s w cor. Thirty-third St., 2 three-st'y frame stores and dwells., tin roofs, cost, $4,000 each; owner, John J. Edwards, 52 Broadway, New York; architects, H. L. Spicer & Son, Third Ave. and Fifty-third St.

Ellery St., n s, 370' e Nostrand Ave., three-st'y frame store and dwell., tin roof; cost, $4,600; owner, Henry Diemer, 36 Hopkins St.; architect, John Platte, 225 Lynch St.

Alabama Ave., w s, 75' 6" n Atlantic Ave., three-st'y frame store and lofts, tin roof; cost, $3,000; owner, Henry Kuhl, on premises; architect, Chas. Infanger, 68 Van Siclen Ave.

Fulton Ave., n w cor. Warwick St., three-st'y brick store and dwell., tin roof; cost, $7,000; owner, F. Herchenroeder, Atlantic Ave., cor. Vermont Ave.; architect, Charles Meins, 2879 Atlantic Ave.

Atlantic Ave., n e cor. Williams Ave., 3 two-st'y frame stores and dwells., gravel roofs; cost, each, $1,600; owner, J. H. Reed, on premises; architect, A. J. Warren, 2583 Atlantic Ave.

Eldert St., s w cor. Evergreen Ave., three-st'y frame stores and dwells., tin roof; cost, $5,500; owner, Anna Herzog, 130 Court St.; architect, F. B. Langston, 1225 Bedford Ave.

North Seventh St., n e cor. Berry St., three-st'y brick store and dwell., with extension, tin roof; cost, $5,845; owner, J. W. Hinck, on premises; architect, A. Herbert, 145 Broadway.

Stanhope St., n e cor. Irving Ave., two-st'y frame store and dwell., tin roof; cost, $5,000; owner, Chas. Kuecherer, 166 Suydam St.; architect, Frank Holmberg, 1161 Broadway.

Seventeenth St., n e cor. Tenth Ave., three-st'y frame store and dwell., tin roof; cost, $3,000; owner, Patrick Gannon, 529 Eighteenth St.; architect, W. H. Wirth, 358 Seventeenth St.

Sixth Ave., w s, 60' n Eleventh St., three-st'y brick store and dwell., tin roof; cost, $10,000; owner, John Heesch, 401 Eighth St.; architect, Wm. Wirth, 358 Seventeenth St.

Broadway, n s, 22' e Cooper Ave., 2 four-st'y brick stores and dwells., cement and gravel roofs; total cost, $22,000; owner, J. A. Loucks, Bay Ridge, L. I.; architect, W. M. Coots, 26 Court St.

Middleborough, Mass. — Brick stores, three stories, 50' x 80'; owner, Dr. G. W. Copeland; builders: Ernest Sampson, mason; Mr. Whittemore, carpenter; architect, J. Ph. Rinn, Boston.

BUILDING INTELLIGENCE.

Philadelphia, Pa. — *Tioga St. and Germantown Ave.*, one-st'y store; contractor, Benj. Walker, 3853 Germantown Ave.

TENEMENT-HOUSES.

Holyoke, Mass. — A. Ferguson, four-st'y brick tenement-block, brownstone trimmings, Plymouth Pl.; cost, $13,000; architect, G. B. Alderman; builder, J. St. John.

WAREHOUSES.

Philadelphia, Pa. — Sixth St., e s, s Susquehanna Ave., three-st'y warehouse and store; contractor, George W. Stewart, 2536 North Sixth St.

Gray's Ferry Ave., w Thirty-fifth St., three-st'y warehouse; contractors, George F. Payne & Co., 410 South Juniper St.

MISCELLANEOUS.

Brooklyn, N. Y. — Recently, Judge Van Wyck, of the Brooklyn City Court, granted orders peremptorily directing B. Meirich to tear down and remove an unfinished four-story frame building at Fulton and Richardson Sts., because of its dangerous condition, and directing Edward C. Squance to tear down and remove an unfinished one-story frame shop on Ninth St., near Fifth Ave., which is within the fire limits.

John Denithorne, a well-known Brooklyn builder, died recently, in his seventy-fourth year. He was a native of England, and was established in this city at the corner of Butler and Smith Sts. for almost a quarter of a year.

Chicago, Ill. — Chicago Sugar Refining Co., 5 one-st'y and 3 two-st'y additional buildings, 38-48 West Taylor St.; cost, $50,000.

Bartholomae & Roesing, four-st'y storage-building, 339-341 West Twelfth St.; cost, $10,000.

Thomson-Houston Co., electric-light station, Fifty-third St. and Ill. Cent. R. R.; cost, $5,000.

PROPOSALS.

BRICK. [At Washington, D. C.]

OFFICE OF THE COMMISSIONERS,
WASHINGTON, D. C., July 10, 1890.

Sealed proposals will be received at this office **until Tuesday, July 29, 1890,** for furnishing paving and arch brick for the District of Columbia.

Blank forms of proposals and specifications can be obtained at this office upon application therefor, together with all necessary information, and only bids upon these forms will be considered.

The right is reserved to reject any and all bids or parts of bids.

J. W. DOUGLASS,
L. G. HINE,
H. M. ROBERT,
Commissioners, D. C.

761

PLUMBING. [At New York, N. Y.]

DEPOT QUARTERMASTER'S OFFICE,
DAVID'S ISLAND, N. Y. H., July 1, 1890.

Sealed proposals, in triplicate, will be received **until 11.30 A. M., Wednesday, July 30, 1890,** and opened immediately thereafter for supplying and fitting up bath-tubs, water-closets and urinals in basement of 1888 Brick Barrack at this place.

Plans, specifications, general instructions to bidders and blank forms of proposals will be furnished to bidders on application to this office.

The right to reject any or all bids is reserved to the United States.

CAPTAIN J. McE. HYDE,
Assistant Quartermaster, U. S. Army, Depot Quartermaster.

761

Sanitary Appliances

STEWART CERAMIC COMPANY,

312 PEARL ST., Cor. Peck Slip, NEW YORK.

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THE CELEBRATED SOLID WHITE CROCKERY STATIONARY WASH-TUBS.

The only Perfect Sanitary Tubs now in Existence.

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No seams to open. Absolute cleanliness secured for all time.

WELL GLAZED.

SHOWING THREE TUBS SET UP.

Will not absorb, leak or decay.

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Solid White Crockery Sinks, Comprising Butler's Pantry, Kitchen, Slop, etc.,

Made of same material as the tubs. Very strong, well glazed, no labor required to keep clean.

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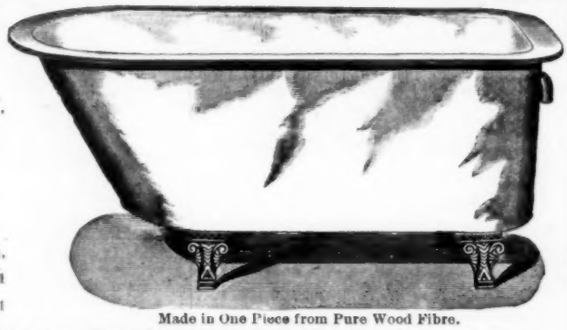
HANDSOME BUT INEXPENSIVE.

Agents: A. H. Prescott, 49 Wabash Ave., Chicago. Henry Huber & Co., 81 Beekman St., New York. Dalton & Ingersoll, 171 High St., Boston, Mass.



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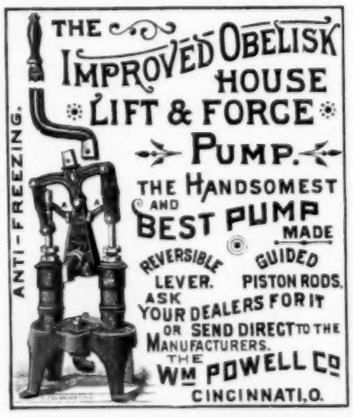

COL. GEORGE E. WARING, JR., C. E. etc., in his recent work on Sewerage and Land Drainage, in speaking of traps liable to siphonage, says: "the best remedy would be to supply the defective traps at their summits with McClellan's Mercury Seal-Trap Vent, a perfectly safe device, of little cost, simple and easy of application, and sure to supply air when needed."

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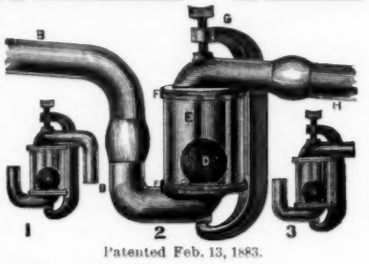

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PROPOSALS.

COURT-HOUSE. [At Tacoma, Wash.]

Sealed proposals will be received at the office of the undersigned until **12 o'clock, noon, on the 28th day of August, 1890,** for the several works required in the erection and completion of a stone and brick Court-House for Pierce County, State of Washington, to be built in the city of Tacoma.

Plans and specifications may be seen on and after the 28th day of July, 1890.

A certified check of the value of eight per cent of bid must accompany each bid as a guaranty that the bidder will enter into a contract if his bid is accepted.

A satisfactory bond will be required of the successful bidder.

The right to reject any and all proposals is reserved.

Plans, specifications and all information obtained from PROCTOR & DENNIS, Architects, 606-1-2 Washington Block, Tacoma, State of Washington.

765

July 10, 1890. 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 August, 1890, for all the labor and materials required in the erection and completion of the United States Post-Office building at Lowell, Mass., (approaches and heating-apparatus not included) 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 $500. The Department will reject all bids received after the time fixed for opening the same; also bids which do not comply strictly with all the requirements of this invitation. Proposals must be sealed and endorsed "Proposal for the Erection and Completion (except Heating-apparatus and Approaches) of the United States Post-Office building at Lowell, Mass.," and addressed to JAMES H. WINDRIM, Supervising Architect. 761

July 9, 1890. 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 2d day of August, 1890, for all the labor and material required to complete the approaches to the United States Court-House, Post Office, etc., building at Williamsport, Pa., in accordance with 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 $100. The Department will reject all bids received after the time fixed for opening the same; also bids that do not comply strictly with all the requirements of this invitation. Proposals must be sealed and endorsed "Proposals for the Approaches to the United States Court-House, Post-Office, etc., building at Williamsport, Pa.," and addressed to JAMES H. WINDRIM, Supervising Architect. 761

July 7, 1890. 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 July, 1890, for all the labor and materials required to do all the general excavations and concrete work for the foundations of 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. Each bid must be accompanied by a certified check for $100. The Department will reject all bids received after the time fixed for opening the same; also, bids which do not comply strictly with all the requirements of this invitation. Bids must be enclosed in an envelope sealed and indorsed "Proposal for the Excavation and Concrete Work for the Foundations of the United States Custom-House and Post-Office building at New Bedford, Mass.," and addressed to JAS. H. WINDRIM, Supervising Architect.

760

ADDITIONS, ETC., TO COURT-HOUSE. [At Plymouth, Mass.]

OFFICE OF J. WILLIAMS BEAL, ARCHITECT, 68 MASON BUILDING, BOSTON, MASS.

Estimates will be received at the office of the Plymouth County Commissioners in Plymouth, Mass., **up to noon, Monday, July 21,** for the alterations and additions to the Court-house in Plymouth.

All bids to be addressed to the County Commissioners, sealed and endorsed "Proposal for Additions, etc., to the Court-house."

Plans may be seen at the above office on and after Thursday, July 10

The Commissioners reserve the right to reject any or all proposals.

Per order of Board of Commmissioners.

J. WILLIAMS BEAL, Architect.

JEDEDIAH DWELLY, WM. RANKIN, WALTER H. FAUNCE, } Commissioners.

760

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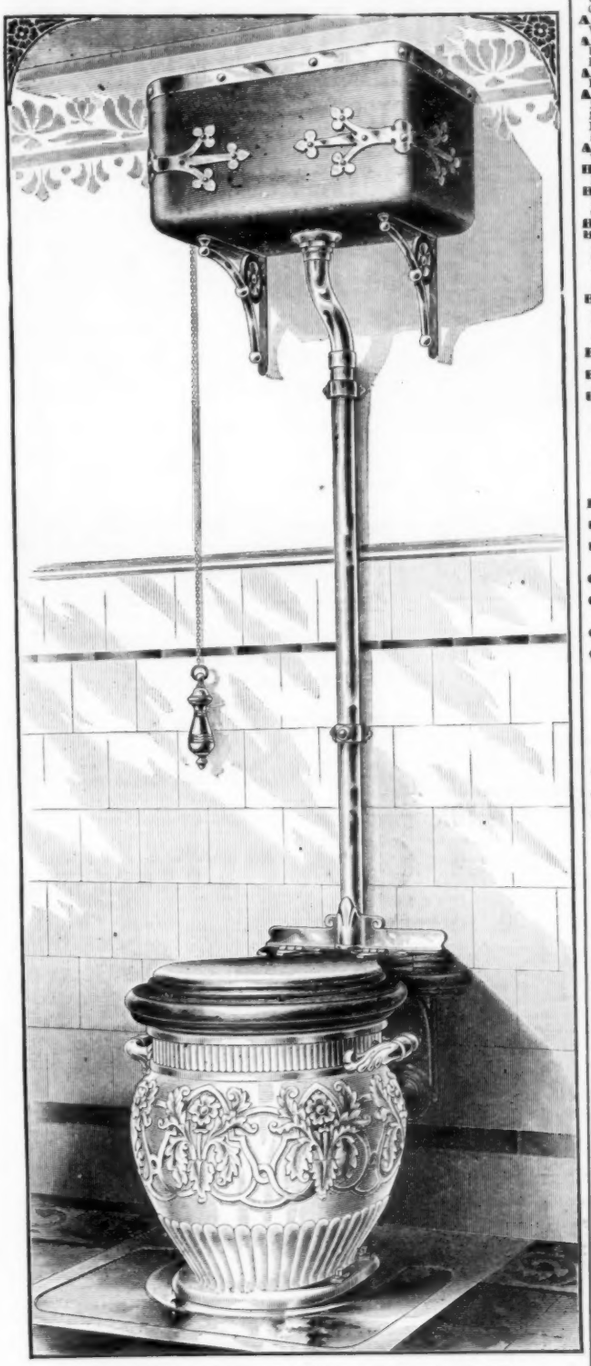

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[*See Alphabetical Index on page* VII *for Pagination.*]

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H. W. Johns M'f'g Co., New York
H. F. Watson, Erie, Pa. **Asbestos Felts.**
Asbestos Paint.
H. W. Johns M'f'g Co., New York
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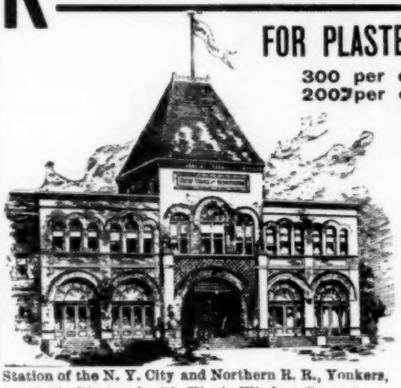

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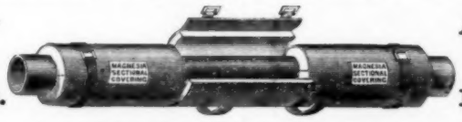

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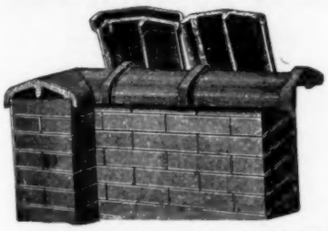

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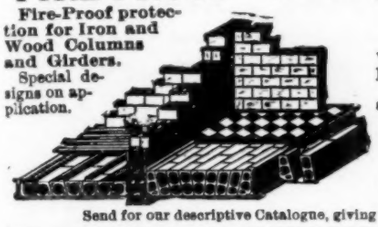

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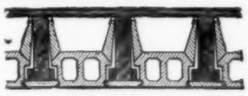

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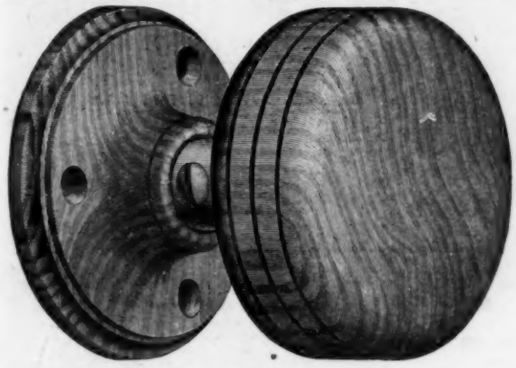

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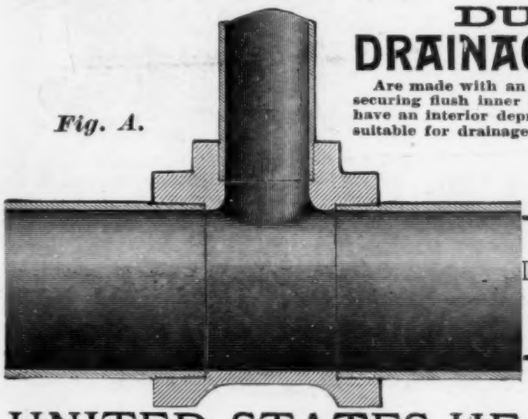

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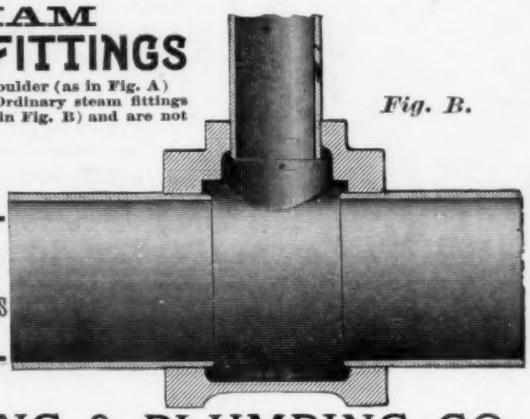

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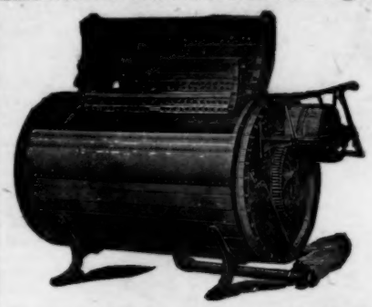

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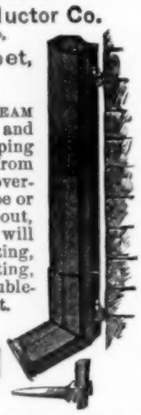

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BUILDING MATERIALS.
Reported for the American Architect and Building News.

BRICK. — ₱ M.	New York. (Wholesale Prices.)	Boston. (Prices to Builders and Contractors.)	Chicago.	Philadelphia.
Common: *Cargo afloat.*				
Pale	2 50 @ 3 25	Eastern 9 00 @ 10 00	Building Brick @ 6 50	Sq. Hard @ 12
Jersey	4 00 @ 5 50	Bay State Hard 9 00 @ 10 00		" @ 9 0
Long Island	5 50 @ 6 00	Domestic Com. 9 50 @ 10 00	Indiana Pressed 14 00 @ 20 00	Salm m 6 50
Up River	4 50 @ 5 50	Domestic Face 20 00 @ 22 00	St. Louis Fronts @ 27 00	Sq. " @ 9 00
Haverstraw Bay 2nd	5 00 @ 5 50	Philadelphia 40 00 @ 45 00		Light Stretchers @ 12 00
" 1st	5 75 @ 6 25	Phila. mould 50 00 @ 80 00		Medium " @ 14 00
Hollow	@ 13 00	Anderson 14 00 @ 32 00		Red " @ 15 00
Fronts				Dark " @ 15 00
Croton, Brown	14 00 @ 15 00		15 00 @ 27 00	Pressed 22 00 @ 26 00
" dark	15 00 @ 16 00		65 00 @ 350 00	Best Paving @ 16 00
" red	15 00 @ 16 00		@ 55 00	Second " @ 14 00
Chicago pressed (Anderson)			45 00 @ 50 00	Third " @ 13 00
Chicago Moulded			45 00 @	
Baltimore	7 00 @ 41 00		25 00 @	Dom. @ 65 / @ 85
Philadelphia	@ 22 00		60 00 @ 100 00	
Trenton	@ 22 00		30 @	
Milwaukee			35 @	
Moulded:			55 00 @ 65 00	
Glens Falls Red Pressed	@ 37 00			
" " Buff "	@ 30 00		@ 100 00	
" " Moulded Red & Buff	45 00 @ 70 00		@ 120 00	
Enamelled: *Imp.*				
Enamelled (edge.)	85 00 @ 100 00			
Enamelled (edge and end)	90 00 @ 115 00			
CEMENT, LIME, etc.—(₱ cask.)				
Rosendale Cement	90 @ 1 10	1 20 @ 1 40	*Not Sold.*	1 30 @ 50
Louisville "	*Not sold.*	Brooks, S. & Co 2 60 @ 3 00	1 05 @ 1 30	B & S.E. 275 @ 300
Utica, Akron, Buffalo, Milw'kee.	2 50 @ 3 00	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 25 @ 2 50	2 60 @ 3 00	3 00 @ 3 25	2 75 @ 3 00
" " Black Cross	2 50 @ 2 80	2 60 @ 3 00	3 00 @ 3 25	2 85 @ 3 15
" " (Burham)	2 65 @ 3 00	2 60 @ 3 00	2 90 @ 3 15	2 75 @ 2 85
" " (White's)	3 60 @ 3 75	@ 5 00	3 00 @ 3 25	
" French (Lafarge)	2 90 @ 3 25	3 00 @ 3 50	3 75 @ 4 25	Hemmoor 2 50 @ 2 75
" German (Alsen)	2 25 @ 2 40	3 15 @ 3 35	@ 3 20	2 75 @ 2 85
" " (Fewer)	2 50 @ 2 90	Cleopatra 2 55 @ 3 00	3 20 @ 3 40	Josson 2 50 @ 2 75
" " (Vorwohler)	@	3 00 @ 3 50	@	3 00 @ 3 25
" " (Lagerdofer)	2 90 @ 3 25	3 15 @ 2 50	2 75 @ 3 00	2 75 @ 2 85
" " (Dyckerhoff)	2 50 @ 3 00	@ 3 00	3 25 @ 3 50	
" " (Hanover)	2 35 @ 2 85	@ 6 00	*Not Sold.*	2 50 @ 2 75
" " Stettin, (Anchor)	2 15 @ 2 45	9 @ 11 50	*Not Sold.*	3 00 @ 3 25
" American (Saylor's)	2 75 @ 3 00		2 75 @ 3 00	6 50 @ 7 00
Roman	5 75 @ 6 50		2 75 @ 3 25	8 00 @ 9 00
Keene's coarse	9 25 @ 10 25		6 00 @ 7 00	
" superfine			9 @ 10 50	White Lime 25 @ 30 ₱ bush
Lime:				White Mash 1 25 @ 1 50
Lime of Teil	3 50 @ 4 00	@ 1 35	*Not sold.*	1 00 @ 1 00
Hydraulic Lime	@ 1 45	St. John 1 00	55 @	
Chicago Lime in bulk			60 @	
Wisconsin "		@ 1 05	*Not sold.*	*Not sold.*
Rockland and Rockport, (Com.)	@ 90	@ 1 10	*Not sold.*	*Not sold*
Rockland and Rockport, finish	@ 1 20	@ 1 20	1 00 bulk, 75c.	1 50 @ 2 25
Kelley Island Lime, finish	@ 1 20	*Not sold.*	*Not sold.*	1 75 @ 2 50
State, com. cargo rates (nom.)	@ 85	*Not sold.*	*Not sold.*	20 @ 25
State, finishing "	@ 1 10	1 85 @ 2 00	1 85 @ 1 90	30 @ 35
Plaster of Paris (calcined.)	1 20 @ 1 25	@ 2 25	1 85 @ 1 90	@ 1 50
" (casting)	1 30 @ 1 35	25 @ 30	20 @ 25	
Hair (Cattle) ₱ bush	12 @ 15	@ 30	30 @ 55	55 @ 65
" (Goat)	22 @ 25	1 75 @ 1 90	@ 60	
Sand, ₱ load	1 00 @ 1 25			75 @ 90
STONE. (₱ cubic foot, rough.)		@ 60		Richmond
Granite: (*Maine*)	45 @ 1 25		50 @	75 @ 1 54
Limestone:	@ 1 00	95 @ 1 00	35 @ 55	4 50 ₱ Perch
Bedford	@		35 @ 60	
Joliet	@		@ 1 00	
Lemont	@			
Serpentine	@	10 50 per ton		

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Mortar Colors.				
Black, brown, buff ℔ lb	@ 2½			
Colorific ℔ lb	@ 2½			
Red	@ 3			
White ℔ bbl	@ 1 75			
Foundation:				
Dimension	@	5 00 ℔ ton	20@	@ 5 00
Block	@	4 60 ℔ perch		Conshocken
Rubble	@	1 25 @ 1 50	8 50 @	1 45 @ 2 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		95 @ 1 16
Kibbe	@ 90	90 @ 1 10		
Brown (Connecticut)	1 00 @	1 25 @ 1 45	1 50 ℔ cub. ft.	1 05 @ 1 35
Amherst } Ohio	90 @ 95	90 @ 1 00	45 @ 50	
Berea } Ohio	75 @ 1 00	85 @ 90	45 @ 55	55 @ 1 00
Berlin } Ohio	75 @ 1 00	80 @ 90	55 @ 65	
Belleville	80 @ 1 25	1 25 @ 1 35	@ 1 25	1 10 @ 1
New Brunswick (Dorchester)	1 00	75 @ 90	"	1 00 @ 1
Caen	@	@ 2 00	"	1 25 @ 1
Carlisle. English	@ 1 05	@ 1 05		95 @ 1
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	350 @ 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	7 50 @ 10 25
" black, Lehigh	4 25 @ 4 75	@	6 25 @ 6 85	3 25 @ 4 00
" " Chapmans	@	@	7 30 @ 8 00	4 00 @ 4 65
" Unfading Black, Monson, Me.	5 50 @ 8 00	5 50 @ 8 0	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 @ 7½	@ 7½	6½ @ 7	@ 7
" Zinc, "	5 @ 8½	@ 8	7 @ 10½	@ 7
Red lead, Am.	6½ @ 7	@ 7½	6½ @ 7	@ 7
" Venetian	6 @ 10½	7 @ 12	1¾ @ 2½	dry Eng. @ 8
" Vermilion	65 @ 70	72 @ 75 dry	65 @ 68	Eng. @ 66
Red Indian, Eng.	12 @ 20	12 @ 20	12 @ 20	6½ @ 7
Yellow Ochre	6 @ 15	7 @ 12	3 @ 15	dry Am. @ 1¾
" Chrome	12 @ 20	18 @ 25	15 @ 25	@ 18
Green (chrome)	8 @ 13	8 @ 20	8 @ 20	@ 12
Green, Paris, (℔ gal.)	25 @ 40	25 @ 40	18 @ 35	" 20 @ 25
Black, lamp, (℔ gal.)	15 @ 25	15 @ 25	8 @ 30	@ 12
Blue, ultramarine (℔ gal.)	12 @ 18	18 @ 30	12 @ 35	@ 20
Oil, linseed, (raw) (℔ gal.)	60 @ 63	60 @ 61	57 @ 60	@ 58
" " boiled (℔ gal.)	63 @ 66	63 @ 64	60 @ 63	@ 61
Turpentine (℔ gal.)	40 @ 41	@ 48	51 @ 51	@ 50
Varnish, coach (℔ gal.)	@	1 50 @ 6 00	1 25 @ 2 00	@ 3 00
Shellac (℔ gal.)	@	2 50 @ 3 00	2 25 @ 4 00	@ 2 75
Putty (℔ gal.)	2 @	2 @ 4	02 @ 02½	@ 2
Whiting (dry)	75 @ 1 00	1 @ 1½	1 @ 1½	@ 1
Paris white, (Eng.,) (dry)	1 30 @ 2 00	2 @ 3	1½ @ 2	@ 1½
Litharge, Am (dry)	5½ @ 6	@ 7½	6½ @ 7	@ 7
Sienna (burnt) (dry)	14 @ 20	14 @ 20	4 @ 16	@ 14
Umber, " (dry)	14 @ 20	14 @ 20	2 @ 10	@ 12
HARDWARE.				
Nails: (Per Cask.) Spikes, (wrought.)	@ 2 85		2 75 @ 3 00	pr kg @ 2 25
10d. common	@ 2 60	@ 2 20	@ 2 35	@ 2 30
Shingle	@ 3 35	@ 2 30	@ 2 75	@ 2 60
Lath	@ 4 85	@ 3 5	@ 3 65	3 60 @ 4 75
Finishing nails according to size.)			Add .85 to $1.15	per ℔ 4 @ 6
(For casing nails add 75c. per keg.)			" .50 to .90	Add pr cask 2 90 (all kinds.)
Butts: 4" x 4" (℔ doz. pairs.)				
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 ℔ 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: (℔ Set.)				
Mineral, best	@ 8	@ 8	8 @ 10	@ 08
Lava	@ 50	@ 75	65 @ 80	*Not sold.*
Hematite	*Not sold*	17 @ 33	31 @ 40	25 @ 50
Porcelain	@ 30	@ 10	25 @ 30	@ 25
Glass, solid	*Not sold*	@ 50	*Not sold.*	1 00 @ 2 50
Glass, silvered	*Not sold*	@ 1 00	@ 1 50	1 75 @ 2 00
Bronze metal	75 @ 2 00	@ 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 @ 16	13½ @ 16
Sheet Lead		@ 7½	7	@ 6½
Lead Pipe		@ 7	6½	6 @ 6
Iron:				
I-Beams, up to and including 30 ft.	3 3-10 @ 3½	@ 3 1-10	@	@ 2 8-10
I-Beams, over 30 ft. ¼, ½, ¾ c. advance.	@		3 20 @ 3 70	@ 2 8-10
Channel-Beams	3 3-10 @ 3½	@ 3 1-10	" @ "	@ 2 8-10

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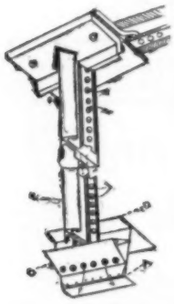

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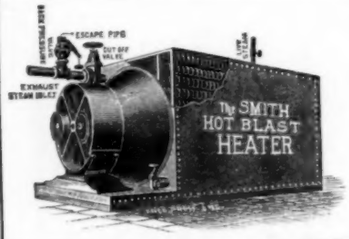

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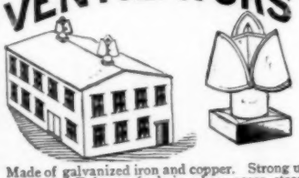

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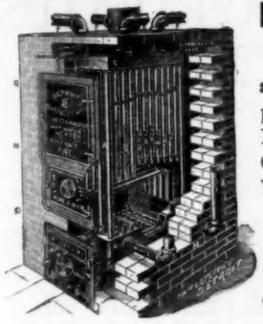

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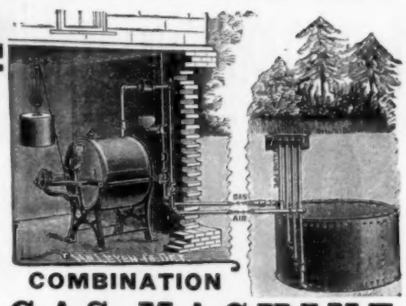

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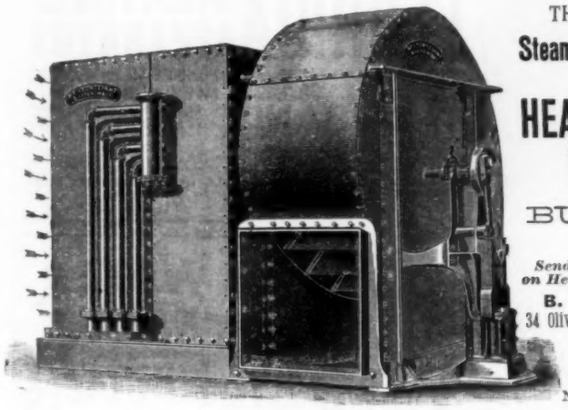

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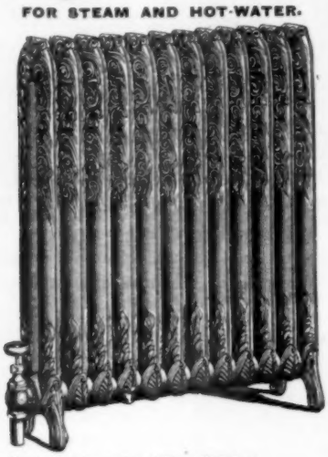

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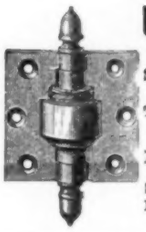

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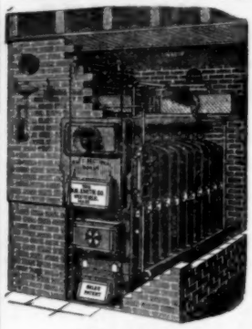

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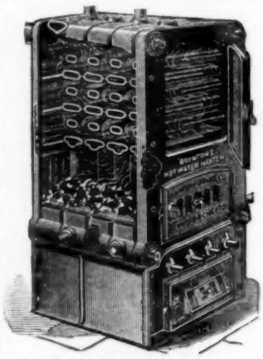

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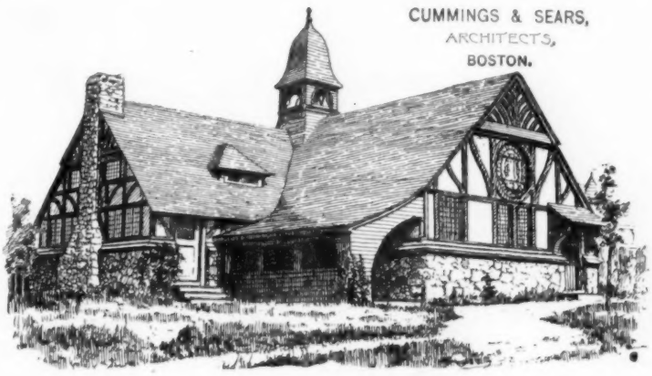

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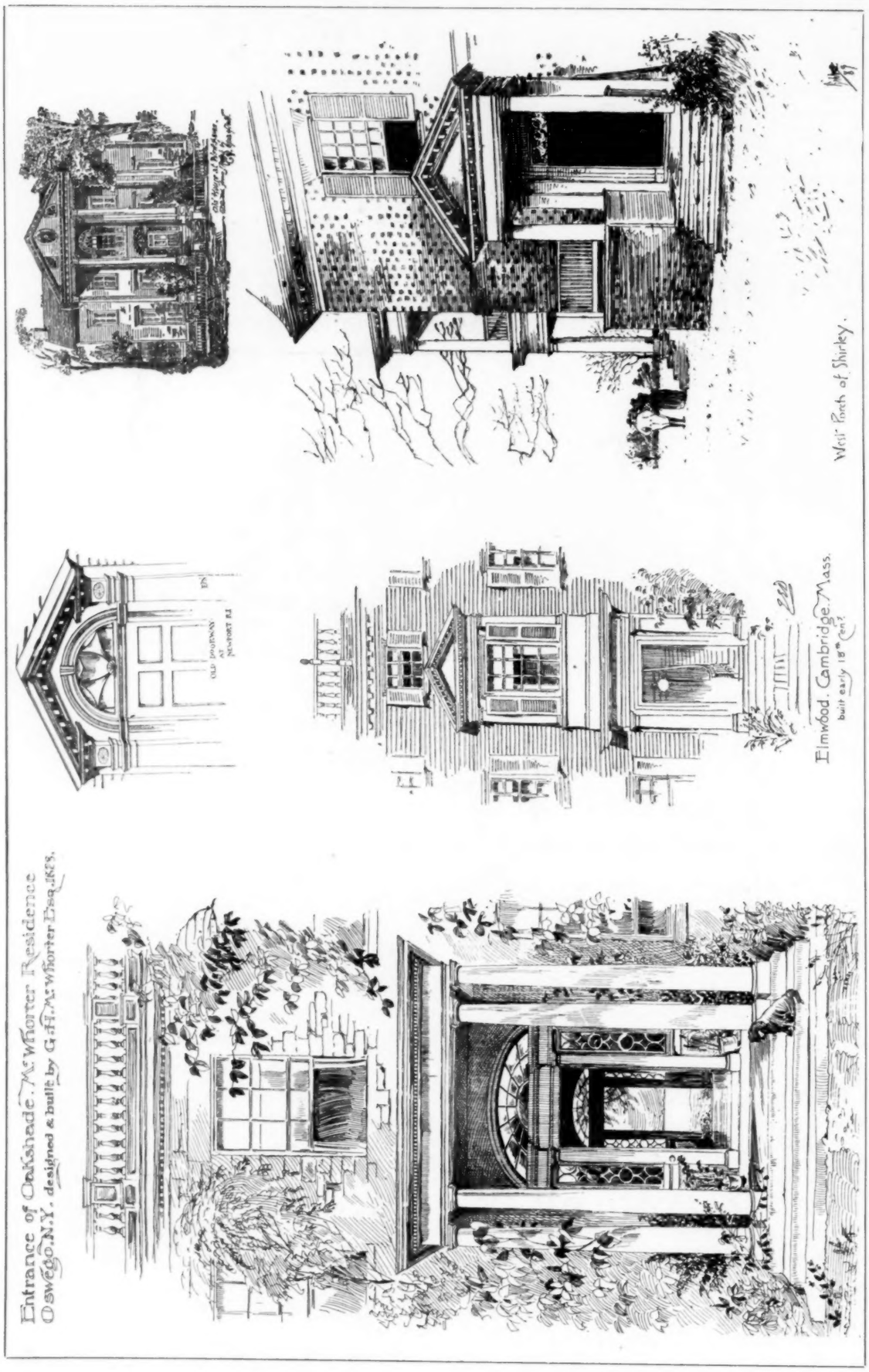

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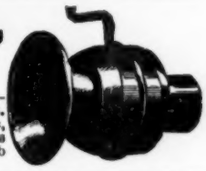

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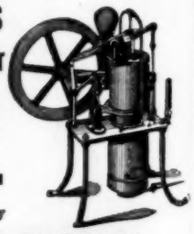

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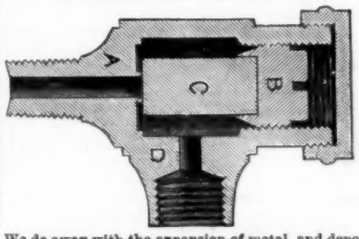

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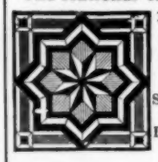

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New Advertisements.

ROBERT L. ADAMS (New York, N. Y.), Perspectives. Page xiv.
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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.

STONE COMPUTER.— Wanted, man of experience in taking quantities of blue stone from plans; must have best of reference. Address Union Stone Co., Jersey City, N. J. 762

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PARTNER. — Wanted, a partner by an architect of experience (of late engaged in business pursuits), who desires to return to the active practice of the profession in Boston. Address "56," care *American Architect.* 761

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DRAUGHTSMAN. — An architectural draughtsman, with experience and ability, is wanted as partner for attending to the office in a long established business; only such with the very best of references as to reliability and business qualifications need apply; one, conversant with the German language, is preferred; best of references required and also given. Address "Co-partner," in care of this paper. t.f.

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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.

Boston, Mass.—*St. Botolph St.*, four-st'y addition to the Allen Gymnasium, 50′ x 80′, Turkish baths, etc.; cost, abt. $32,000; architects, Rand & Taylor, Boston; builders, Gooch & Pray.

Blagden St., No. 24, Ward 11, alter brick dwell. to five stories, for bachelor apartments; owner, S. B. Simmons; builder, H. T. Lynn.

Dover St., No. 54, cor. Middlesex St., Ward 16, alter brick dwell. for store purposes; owner, P. H. Sheehan; builder, John Deegan.

James St., No. 14, Ward 18, take down front of brick dwell. and extend to street line; owner, J. F. Lamphrey; builder, T. R. White.

Dartmouth St., cor. Buckingham St., Ward 11, alterations to brick dwell.; owner, Henry R. Merritt; builders, Currier & McCoy.

Philadelphia, Pa.—*North Seventeenth St., No.* 1509, alteration and bay window; contractor, W. Friday, 1621 Sansom St.

South Front St., No. 845, interior alteration; contractor, D. S. McClure, 821 Reed St.

Front St., e s, n Dauphin St., interior and exterior alteration; contractor, Henry Gill, 2330 Hancock St.

Otis St., s s, w Coral St., one-st'y addition to back building; contractors, Dickson Bros., 3045 Frankford Ave.

Paul St., No. 4019, two-st'y addition to mill; owner, Jos. H. Yerkes, 4177 Main St.

Tusculum St., No. 301, two-st'y addition to dwell.; contractor, John Ryan, 856 Lawrence St.

Thirteenth St., s w cor. Mt. Vernon St., two-st'y addition to storehouse; contractor, J. E. Hilpol, 1719 Sydenham St.

Cherry St., No. 622, alteration and addition to dwell.; contractor, Jos. L. Lyle, 1837 Ridge Ave.

Twenty-third St., n e cor. Sansom St., addition to factory; contractor, Jas. A. Bradin, 2013 Sansom St.

Sepviva St., w s, n Huntingdon St., one-st'y addition to church; superintendent, G. L. Corsen, 3465 Weikel St.

North Twelfth St., No. 221, four-st'y addition to office-building; contractor, Saml. J. Rea, 1741 Fairmount Ave.

South St., No. 2019, internal alterations and back building; contractor, D. Charly, 2804 North Eleventh St.

Arch St., No. 732, new front and addition to two-st'y back building; contractor, J. H. W. Chestnut, 1757 Frankford Ave.

St. Louis, Mo. — Repair four-st'y brick store; cost, $5,000; owners, Percy & Vallat, agents; contractors, Berg, Lynds & Co.

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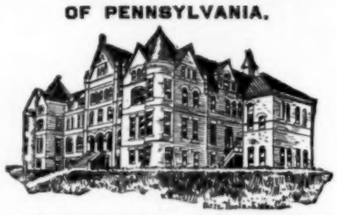

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See the first issue of the month for the following advertisements.

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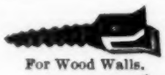

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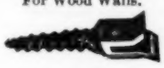

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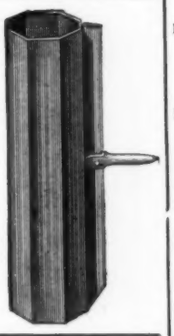

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APARTMENT-HOUSES.

Chicago, Ill.—F. Gerke, two-st'y flats, 495 North Wood St.; cost, $3,000.

B. D. Sprangle, 4 two-st'y flats, Sixty-third and Winter Sts.; cost, $12,000.

Richard Barry, two-st'y flat, Winter and Forty-eighth Sts.; cost, $2,300.

F. Jacobson, 2 three-st'y flats, 3142-3144 Shields Ave.; cost, $4,000.

Carl Anderson, two-st'y flats, 19 Snell St.; cost, $4,500.

M. P. Cummings, two-st'y flats, 5890 Wabash Ave.; cost, $5,000.

Joseph Ourban, two-st'y flat, 127 Black Hawk St.; cost, $3,600.

O. J. O'Brien, two-st'y flat, 960 Warren Ave.; cost, $5,000.

James Hawley, two-st'y flat, 2712 Emerald Ave.; cost, $4,000.

William Palmer, two-st'y flats, Calumet Ave., North Sixty-eighth St.; cost, $2,800.

O. Carson, two-st'y flat, 299 Campbell Ave.; cost, $2,000.

Thomas Donan, two-st'y flat, 303 Wallace St.; cost, $3,500.

John Hakney, three-st'y flat, 711 West Twenty-first St.; cost, $5,000.

T. F. Thompson, three-st'y flats, 56 Evergreen Ave.; cost, $3,000.

J. Flarhaty, two-st'y flats, Mattison and Winter Sts.; cost, $2,100.

J. M. Bacon, 2 two-st'y flats, Exchange Ave., bet. Ninety and Ninety-first Sts.; cost, $2,000.

Joseph Bock, two-st'y flat, 510 Elston Ave.; cost, $3,500.

Richard Schroeder, three-st'y flats, 476 North Wood St.; cost, $3,000.

James Mills, two-st'y flats, 24 Fairfield St.; cost, $2,000.

Joseph Kupa, three-st'y flats, 32 North Ashland St.; cost, $6,500.

B. D. Sprague, 4 two-st'y flats, Sixty-third and Winter Sts.; cost, $2,000.

H. P. Becke, two-st'y flats, 5049 Indiana Ave.; cost, $3,000.

I. Talver, 2 two-st'y flats, 4334-4336 Langly Ave.; cost, $5,000.

A. O. Anderson, three-st'y flat, 789 North Halsted St.; cost, $3,500.

John B. Carlson, five-st'y flat, 226 North Market St.; cost, $8,000.

J. M. Sadler, two-st'y flat, 762 Seventy-sixth St.; cost, $7,500.

May Schmans, two-st'y flat, Noble St., bet. Hernden and Southport Sts.; cost, $2,000.

Mrs. May Headley, two-st'y flat, 40 Colorado Ave.; cost, $3,000.

G. W. Fairweather, three-st'y flat, 365 West Indiana St.; cost, $4,500.

John Corbett, two-st'y flat, 150 West Eighteenth St.; cost, $2,000.

Gust. Thieves, two-st'y flat, 104 Bismarck St.; cost, $2,000.

S. Czahouski, two-st'y flat, 618 West Seventeenth St.; cost, $3,500.

H. Sandmeyer, three-st'y flat, 339 Oakwood Bou.; cost, $11,000.

M. Lingley, three-st'y flats, 1128 South Hoyne Ave.; cost, $4,300.

BUILDING INTELLIGENCE.

Patrick Bortt, three-st'y flats, 23 Johnson St.; cost, $3,500.

John Dowbrosky, three-st'y flats, 540 Laflin St.; cost, $4,500.

August Schroeder, two-st'y flat, 57 Franklin St.; cost, $3,400.

Thomas Morrison, three-st'y flat, 3961 Langley Ave.; cost, $6,500.

Dennis Fahy, three-st'y flat, 1336 Park Ave.; cost, $3,500.

New York, N. Y.—*Fifty-third St.*, n s, 250′ w Ninth Ave., 2 five-st'y brick flats, tin roofs; cost, $40,000; owner, Cavanato Natale, 414 Brooks Ave.; architect, Albert Huttera, 123 East Fourth St.

One Hundred and Fourth St., s s, 70′ e Madison Ave., 3 five-st'y brick flats, tin roofs; cost, $19,000; owner, Elizabeth Johnston, 75 East Eightieth St.; architects, A. B. Ogden & Son, 1031 Madison Ave.

West Eleventh St., Nos. 336-338, five-st'y brick flat, tin roof ;cost, $18,000; owner, John Regan, 444 West Thirty-sixth St.; architect, James W. Cole, 403 West Fifty-first St.

One Hundred and Sixteenth St., n s, 150′ w Eighth Ave., 2 five-st'y brick flats, tin roofs; cost, $40,000; owners, Jno. & Jas. Walker, 2237 Second Ave. and 233 East One Hundred and Thirteenth St.; architect, Andrew Spence, 1636 East One Hundred and Twenty-fifth St.

West Fifteenth St., No. 336, five-st'y brick flat, tin roof; cost, $16,000; owner, W. H. Ramsey, 14 West Sixtieth St.; architect, Geo. F. Pelham, 1481 Broadway.

East Thirty-second St., Nos. 219-223, 3 five-st'y brick flats, tin roofs; cost, $54,000; owner, Jacob Schmitt, 971 Lexington Ave.; architect, Charles Rentz, 153 Fourth Ave.

Morningside Ave., s e cor. One Hundred and Sixteenth St., five-st'y brick flat, tin roof; cost, $30,000; owner, Kate Gallagher, 435 East One Hundred and Twentieth St.; architect, Andrew Spence, 163 East One Hundred and Twenty-fifth St.

Eighth Ave., s w cor. Twenty-ninth St., five-st'y brick flat, tin roof; cost, $15,000; owner, Mary A. Beggs, 306 West Twenty-ninth St.; architect, James W. Cole, 403 West Fifty-first St.

Laurence St., n s, 274′ 1/2″ w West One Hundred and Twenty-sixth St., s s, One Hundred and Twenty-seventh St., 312′ w Ninth Ave., 2 five-st'y brick flats, tin roofs; cost, $50,000; owner, William M. Moran, 18 West One Hundred and Thirty-third St.; architect, Richard S. Davis, 247 West One Hundred and Twenty-fifth St.

One Hundred and Sixteenth St., n w cor. Fifth Ave., five-st'y flat, tin roof; cost, $40,000; owner, John Walker, 233 East One Hundred and Thirteenth St.; architect, Andrew Spence, 163 East One Hundred and Twenty-third St.

CHURCHES.

Philadelphia, Pa.—*Kensington Ave.*, n Cambria St., one-st'y church; contractor, W. M. Williams, 2060 Hull St.

Park Ave., w s, s Berks St., two-st'y church; contractor, Chas. P. Nesbet, 425 Locust St.

FACTORIES.

Boston, Mass.—*Portland St., No.* 51, Ward 7, six-st'y brick factory, 38.10′ x 87′; owner, H. H. & G. O. Jenkins; builders, Coon & Hall.

BUILDING INTELLIGENCE.

Philadelphia, Pa.—*Eighth St.*, n w cor. Noble St., three-st'y factory and store; contractor, F. S. Coffan, 2001 Jefferson St.

Buttonwood St., n s, w Thirteenth St., four-st'y factory-building; contractor, J. S. Wilson, Broad and Buttonwood Sts.

Twenty-first St., w s, s Spring Garden St., four-st'y factory; owners, Wm. Wood & Co., Twenty-second and Spring Garden Sts.

HOTELS.

Newport, Ark.—A. B. Smith, brick hotel building; cost, $18,000; architect, Thos. Harding, Little Rock, Ark.; contract not let.

HOUSES.

Baltimore, Md.—Fletcher B. Speed, 7 two-st'y brick buildings, n s Brooks St., bet. Francis St. and Druid Hill Ave.

Chas. P. Vogt, three-st'y brick building, e s Jordan Alley, rear w s Linden Ave., bet. Preston and Hoffman Sts.

Boston, Mass.—*Washington St., No.* 2800, *rear*, Ward 21, frame dwell., 25′ x 29′; owner, Mrs. A. Andrew; builder, John Andrew.

Centre St., No. 179, Ward 21, three-st'y frame dwell., flat roof, 24′ x 38′; owner, N. Devenney; builders, R. D. Ward & Co.

Princeton St., No. 266, Ward 1, three-st'y frame dwell., flat roof, 21′ x 52′; owner, George Fisher; builder, Wilbur Goodwin.

Elmore St., Nos. 4-10, Ward 21, four frame dwells., 22′ x 47.9′; owner and builder, J. J. Johnston.

Brookford St., Nos. 6-8, Ward 20, 2 three-st'y frame dwells., flat roofs, 25.9′ x 57.6′; owner, E. Frothingham; builders, Marquis & Chapman.

Putnam St., near Falcon St., Ward 1, three-st'y frame dwell., flat roof, 22′ x 44′; owners, F. S. Condrey and C. H. Record; builder, T. E. Johnston.

Trenton St., No. 191, Ward 1, four-st'y frame dwell., pitch roof, 23′ x 45′; owner, Roswell Davis; builder, J. H. Stevenson.

Saratoga St., Nos. 449-451, Ward 21, 2 three-st'y frame dwells., flat roofs, 18.6′ x 45′; owner, Carl Schuder; builder, T. Yeoman.

Lanark Road, opp. Kilsyth Road, Ward 25, frame dwell., 34′ x 43′; owner and builder, E. L. Rogers.

Evelyn St., near Norfolk St., Ward 24, frame dwell., 28′ x 48′; owner and builder, W. W. Baxter.

Saunders St., near Conway St., Ward 23, frame dwell; 22.6′ x 28.6′; owner and builder, Dwight Baldwin.

Garden St., near Maple St., Ward 23, frame dwell., 26′ x 45′; owner, Mrs. E. A. Wentworth; builder, W. S. Mitchell.

Weldon St., cor. unnamed st., near Walk Hill St., Ward 23, frame dwell., 23′ x 44.6′; owner, Delia Deveney; builders, McNeil & McLean.

Dorchester Ave., No. 846, Ward 15, three-st'y frame dwell., flat roof, 24′ x 42′; owner, John Ballantyne; builders, Hutcheson & Henderson.

Fuller St., near Dorchester Ave., Ward 24, frame dwell., 20′ x 33′; owner, E. J. Fallon; builders, C. A. Dearborn & Co.

West Fourth St., Nos. 224-226, Ward 13, 2 three-st'y frame dwells., flat roofs, 20′ x 32′; owner, D. A. Reardon; builders, H. S. & N. Clark.

Dracut St., near Dorchester Ave., Ward 24, frame dwell., 24′ x 49′; owner, Mrs. L. C. Burleigh; builders, Cunningham & Heath.

Blakeville St., near Olney St., Ward 24, frame dwell., 23.4′ x 35.2′; owner, C. Blake; builder, J. H. Kellar.

Herbert St., near West Park St., Ward 24, frame dwell., 27′ x 45′; owner, Ellen M. Harchar.

Brooklyn, N. Y.—*New Lots Road*, n s, 60′ 10″ e Hendrix St., two-st'y frame dwell., cedar shingles roof; cost, $5,900; owner, J. T. Van Sicklen, New Lots Road; architect, W. A. Sloan.

Blake Ave., s s, 50′ e Van Siclen Ave., three-st'y frame dwell., tin roof; cost, $3,500; owner, Henry G. Young, 15 Schaeffer St.; architect, Chas. Meins, 2879 Atlantic Ave.

Liberty Ave., s e cor. Railroad Ave., 3 two-st'y frame dwells., tin roofs; total cost, $3,500; owner, Jane Quick, Nyack, Rockland Co., N. Y.; architect, J. Quick, Nyack, N. Y.

Floyd St., n s, 215′ e Nostrand Ave., 5 three-st'y frame dwells., tin roofs; cost, $4,200 each; owner, Henry Diemers, 36 Hopkins Ave.; architect, John Platt, 225 Lynch St.

Eleventh St., n s, 89′ 5″ e Eighth Ave., 5 two-st'y brick dwells., tin roofs; total cost, $25,000; owner, Wm. Brown, 380 Seventh Ave.; architect, W. M. Coots, 26 Court St.

Macon St., n s, 75′ e Ralph Ave., 3 two-st'y brick dwells., tin roofs; cost, $4,000 each; owner, architect and builder, S. G. Holland, on premises.

PROPOSALS.

July 19, 1890. 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 15th day of August, 1890, for all the labor and material required for the excavation, concrete foundations, stone and brick work of the basement and area walls of the United States Custom-House and Post-Office building at Eastport, Me., in accordance

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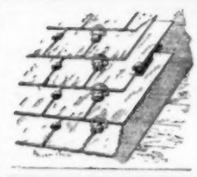
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with the drawings and specification, copies of which may be had on application at this office or the office of the Superintendent, at Eastport, Me. Each bid must be accompanied by a certified check for $200. The Department will reject all bids received after the time fixed for opening the same; also, bids that do not comply strictly with all the requirements of this invitation. Proposals must be sealed and endorsed "Proposal for Stone and Brick Work, etc., for Basement and Area Walls of United States Custom-House and Post-Office at Eastport, Me.," and addressed to JAS. H. WINDRIM, Supervising Architect. 762

July 22, 1890. 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 August, 1890, for all the labor and materials required for the approaches to the United States Post-Office, Custom-House, etc., building at Wilmington, N. C., in accordance with the drawing 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 $200. The Department will reject all bids received after the time fixed for opening the same; also, bids which do not comply strictly with all the requirements of this invitation. Proposals must be sealed and endorsed "Proposal for the Approaches to the United States Post-Office, Custom-House, etc., building at Wilmington, N. C.," and addressed to JAS. H. WINDRIM, Supervising Architect. 762

July 15, 1890. 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 August, 1890, for all the labor and materials required for the extension of the U. S. Post Office, etc., building at Houston, Texas, 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 $100. The Department will reject all bids received after the time fixed for opening the same; also, bids which do not comply strictly with all the requirements of this invitation. Proposals must be sealed and endorsed "Proposal for the Extension of the U. S. Post-Office, etc., building at Houston, Texas," and addressed to JAS. H. WINDRIM, Supervising Architect. 762

July 16, 1890. 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 August, 1890, for furnishing all labor and material required for the erection and completion of the U. S. Court-House and Post-Office building at Monroe, La. (except heating apparatus) including approaches, outhouse, etc., in accordance with 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 $500. The Department will reject all bids received after the time fixed for opening the same; also, all bids which do not comply strictly with the requirements of this invitation. Proposals must be sealed and endorsed "Proposal for the Erection and Completion of the U. S. Court-House and Post-Office building at Monroe, La., and addressed to JAMES H. WINDRIM, Supervising Architect. 762

July 10, 1890. 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 August, 1890, for all the labor and materials required in the erection and completion of the United States Post-Office building at Lowell, Mass., (approaches and heating-apparatus not included) 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 $500. The Department will reject all bids received after the time fixed for opening the same; also bids which do not comply strictly with all the requirements of this invitation. Proposals must be sealed and endorsed "Proposal for the Erection and Completion (except Heating-apparatus and Approaches) of the United States Post-Office building at Lowell, Mass.," and addressed to JAMES H. WINDRIM, Supervising Architect. 761

July 9, 1890. 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 3d day of August, 1890, for all the labor and material required to complete the approaches to the United States Court-House, Post Office, etc., building at Williamsport, Pa., in accordance with 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 $100. The Department will reject all bids received after the time fixed for opening the same; also bids that do not comply strictly with all the requirements of this invitation. Proposals must be sealed and endorsed "Proposals for the Approaches to the United States Court-House, Post-Office, etc., building at Williamsport, Pa.," and addressed to JAMES H. WINDRIM, Supervising Architect. 761

PLUMBING.

[At New York, N. Y.]

Depot Quartermaster's Office,
David's Island, N. Y. H., July 1, 1890.

Sealed proposals, in triplicate, will be received **until 11.30 A. M., Wednesday, July 30, 1890,** and opened immediately thereafter for supplying and fitting up bath-tubs, water-closets and urinals in basement of 1888 Brick Barrack at this place.

Plans, specifications, general instructions to bidders and blank forms of proposals will be furnished to bidders on application to this office.

The right to reject any or all bids is reserved to the United States.

CAPTAIN J. McE. HYDE,
Assistant Quartermaster, U. S. Army, Depot Quartermaster. 761

COURT-HOUSE.

[At Tacoma, Wash.]

Sealed proposals will be received at the office of the undersigned until **12 o'clock, noon, on the 28th day of August, 1890,** for the several works required in the erection and completion of a stone and brick Court-House for Pierce County, State of Washington, to be built in the city of Tacoma.

Plans and specifications may be seen on and after the 28th day of July, 1890.

A certified check of the value of eight per cent of bid must accompany each bid as a guaranty that the bidder will enter into a contract if his bid is accepted.

A satisfactory bond will be required of the successful bidder.

The right to reject any and all proposals is reserved.

Plans, specifications and all information obtained from PROCTOR & DENNIS, Architects,
600-1-2 Washington Block,
765 Tacoma, State of Washington.

BRICK.

[At Washington, D. C.]

Office of the Commissioners,
Washington, D. C., July 10, 1890.

Sealed proposals will be received at this office **until Tuesday, July 29, 1890,** for furnishing paving and arch brick for the District of Columbia.

Blank forms of proposals and specifications can be obtained at this office upon application therefor, together with all necessary information, and only bids upon these forms will be considered.

The right is reserved to reject any and all bids or parts of bids.

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Continued on page xxv.

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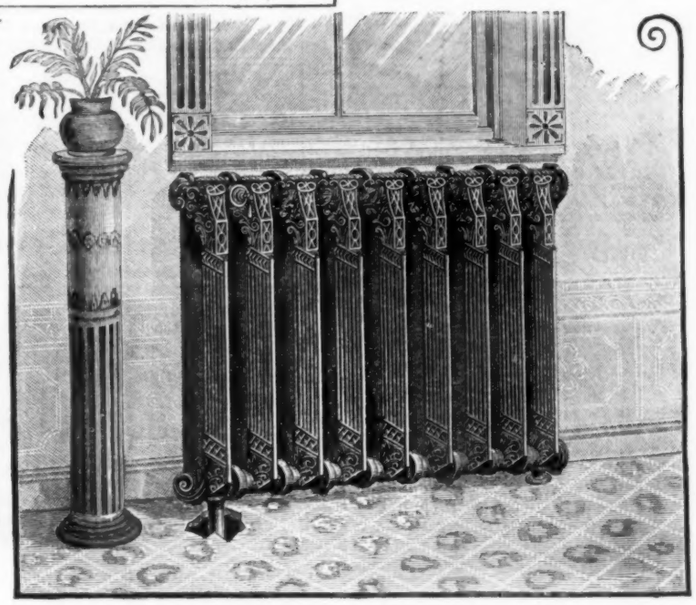

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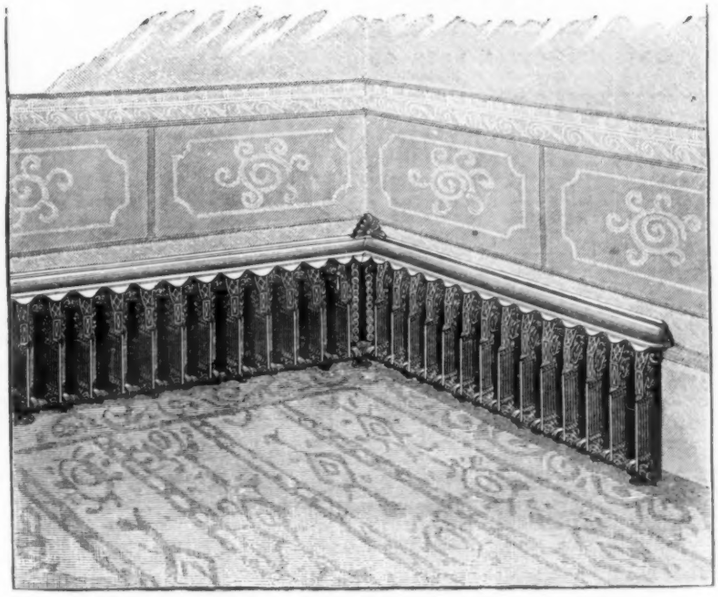

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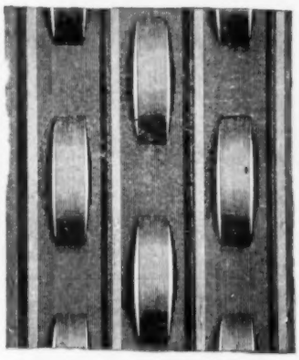

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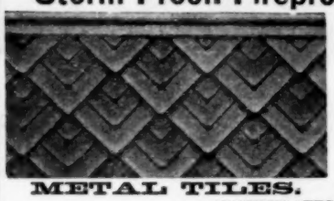

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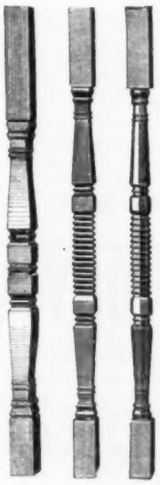

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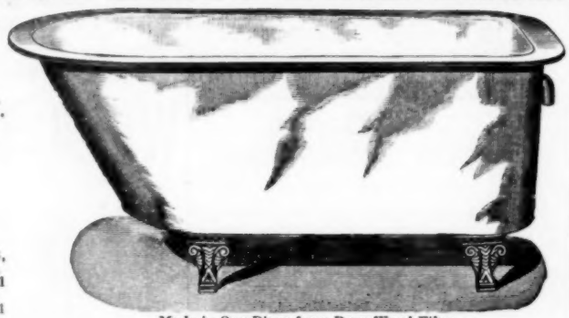

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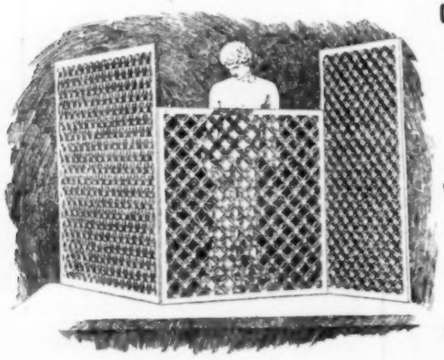

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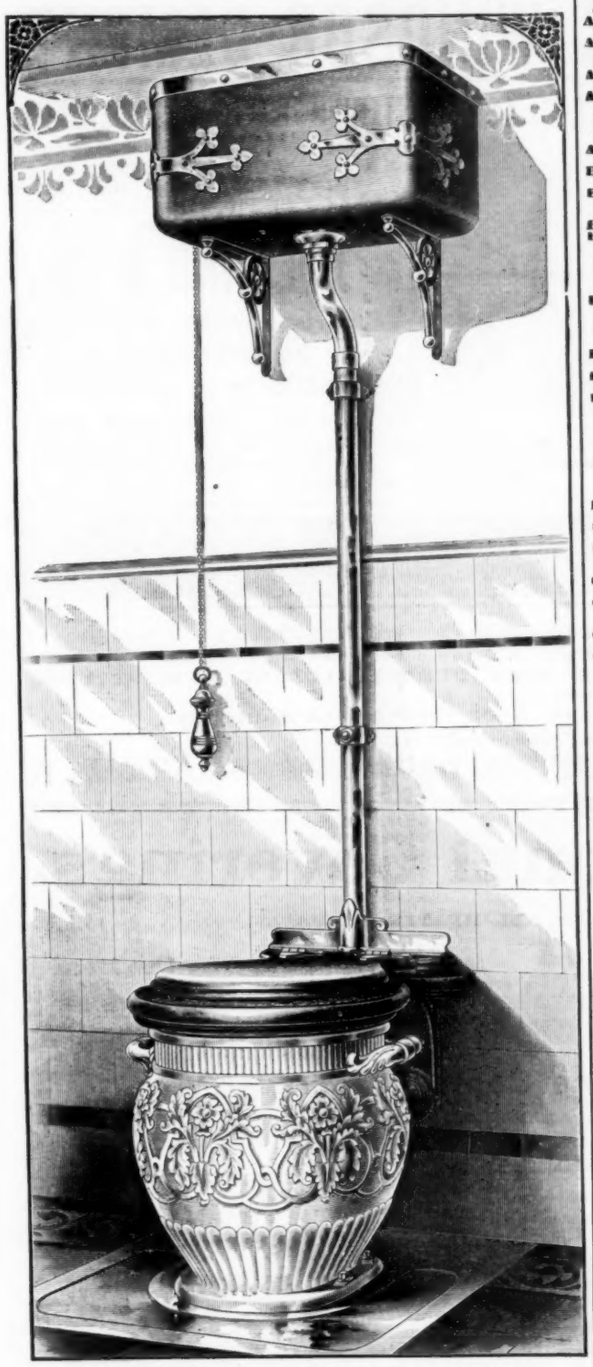

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Babcock & Wilcox Co., New York
Gorton & Lidgerwood Co., New York (cow)
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Ames Manufg. Co., Chicopee, Mass. (mon)
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Burns, Russell & Co., Baltimore, Md.
Howard Fleming, New York (cow)
Hydraulic Press Brick Co., St. Louis
Menomonie Pressed Brick Co., Menomonie, Wis. (cow)
Peerless Brick Co., Philadelphia, Pa.
Waldo Bros., Boston
Washington Hydraulic-Press Brick Co., Washington, D. C.
Brick Machine.
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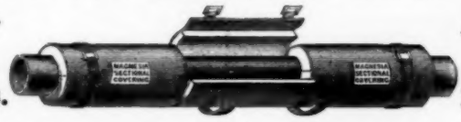

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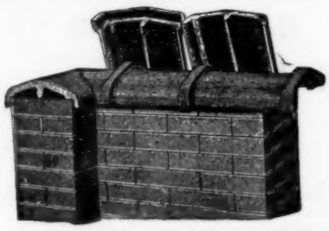

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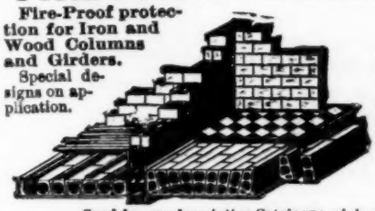

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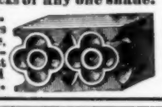

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Chicago, Ill.—W. W. Kimball, one-st'y addition, Twenty-sixth St. near Rockwell St.; cost, $5,000.

Charles Hansen, one-st'y addition, 412 Twenty-fourth st.; cost, $2,000.

W. H. Winslow, five-st'y addition, 376-386 Carroll Ave.; cost, $6,500.

R. Degrazie, three-st'y addition, 206 North Sangamon; cost, $3,200.

John Lawrence, addition, 3006 Butler St.; cost, $2,000.

Rudolph Brandt, two-st'y addition, 53 Cedar St.; cost, $10,000.

New York, N. Y. — *Fifteenth St.*, bet. Fifth and Sixth Aves., addition to New York Hospital and new boiler-house; architect, George B. Post.

Philadelphia, Pa. — *Ninth St.*, w s, s Jackson St., one-st'y addition to dwell.; contractor, George M. Kirby, 1855 South Carlisle St.

Market St., No. 510, addition to warehouse; contractor, Chas. M. Lam, 619 Commerce St.

South Fourth St., No. 742, three-st'y addition to building; contractor, W. W. Crane, 1809 South Second St.

APARTMENT-HOUSES.

Arlington, Mass.—*Main St.*, four-st'y apartments and stores, flat roof, 50′ x 80′; first story brick; owner, W. W. Rawson; contract to be let; architect, J. Merrill Brown, Boston.

Boston, Mass. — *Dundee St., Nos.* 18-28, Ward 11, 6 four-st'y brick apartments, flat roofs, 20′ x 42′; owner, W. M. Henderson; builder, G. W. Adams.

Brooklyn, N. Y. — *Sixth St.*, n s, 100′ w Fifth Ave., 5 three-st'y brick flats, tin roofs; cost, $6,000 each; owner, Sylvester Searing, Blythebourne, L. I.; architect, Joseph L. Quesenburg, 1168 Fourth Ave.

Chicago, Ill.—C. S. Hunt, two-st'y flats, 1444 West Monroe St.; cost, $3,500.

Patrick Fitzgerald, two-st'y flats, 274 North Hoyne Ave.; cost, $3,200.

J. Garry, two-st'y flats, 918 Walnut St.; cost, $4,000.

Peter Mehler, two-st'y flats, Halstead and Seventy-third Sts.; cost, $2,000.

Henry Garritt, two-st'y flats, 76 Myrtle; cost, $2,600.

J. N. Cunning, two-st'y flats, 1184 W. Congress St.; cost, $3,000.

John Strasburg, two-st'y flats, 308 Troy St.; cost, $2,000.

O. P. Olson, two-st'y flats, 5202 Indiana Ave.; cost, $3,600.

John B. Carlson, five-st'y flats, 226 N. Market St.; cost, $8,000.

Wm. Fritz, two-st'y flats, 6326 Cottage Grove Ave.; cost, $2,000.

M. Pelcopt, two-st'y flats, 227 Sangamon St.; cost, $5,000.

V. Uher, three-st'y flats, 22 Ashland Ave.; cost, $5,000.

Wm. M'Keone, 2 two-st'y flats, Butterfield and Forty-eighth Sts.; cost, $2,600.

Dr. Farney, three-st'y flats, 938-940 Park Ave.; cost, $16,000.

W. D. Bishop, 2 three-st'y flats, 8647-8649 Calumet Ave.; cost, $20,000.

Julius Schnoor, two-st'y flats, 1980 Ashland Ave.; cost, $2,000.

Katherine Dankirt, two-st'y flats, Avenue J. near One Hundred and Eighty-fourth St.; cost, $3,000.

R. E. Soderstrome, three-st'y flats, 375 West Erie St.; cost, $5,000.

John Newberry, three-st'y flats, 2835 Fifth Ave.; cost, $50,000.

J. R. Taylor, two-st'y flats, 4628 Langley Ave.; cost, $4,500.

Swedish Evangelical Church, two-st'y flats, Madison near Fifty-fifth St.; cost, $2,000.

August Doering, two st'y flats, Houston Ave. and Eighty-ninth St.; cost, $3,400.

Coon & Lester, 2 two-st'y flats, 24-26 Francisco St.; cost, $10,000.

G. W. Williams, two-st'y flats, 106 Flourney St.; cost, $5,500.

August Brejcha, four-st'y flats, 416 Marshfield Ave., cost, $6,000.

W. Leuray, two-st'y flats, Buffalo near Ninety-first St.; cost, $2,000.

Charles Mertens, 2 two-st'y flats, 4311-4313 Wabash Ave.; cost, $8,500.

Minneapolis, Minn. — M. A. Bradford, brick block of flats and stores, 232-240 Tenth Ave., n; cost, $25,000.

Rudd & Whitney, brick block of flats and stores, 208-210 Plymouth Ave.; cost, $20,000.

Z. Anderson, three-st'y brick block of flats, 1901-1903 South Fourth St.; cost, $8,000.

New York, N. Y. — *Eighty-first St.*, s e cor. Tenth Ave., five-st'y brick flats, tin roof; cost, $100,000; owner, John Casey, 59 East Eighty-seventh St.; architect, Geo. A. Bagge, 312 East Eighty-ninth St.

Ninth Ave., No. 9, 4 five-st'y brick flats, tin roofs; cost, $100,000; owner, John Smith, 2428 Eighth Ave.; architect, E. E. Gandolfo, 31 Union Square.

East Eighty-ninth St., 438-440, 2 five-st'y brick flats, tin roofs; cost, $30,000; owner, Bertha Von Barber, 442 East Eighty-ninth St.; architect, Frank Wennemer, 204 East Eighty-sixth St.

Twenty-fifth St., n s, 375′ w Sixth Ave., five-st'y brick flats, tin roof; cost, $18,000; owner, E. Stunmetz, 26 West Eighty-fifth St.; architect, H. H. Carter, 163 East One Hundred and Twenty-fifth St.

CHURCHES.

Chicago, Ill. — George Thompson, church, 3409-3411 Dearborn St.; cost, $5,000.

Cincinnati, O. — Walnut Hills Lutheran Church, two-st'y church, Locust and Lane Sts., Walnut Hills; cost, $12,000; architects, Des Jardins & Hayward.

Holley, N. Y. — First Baptist Church, Geddes St., stone church, slate roof; cost, $17,000; contract let; architect, A. Forbes, Rochester, N. Y.

New York, N. Y.—*Staten Island*, church for Sailor's Snug Harbor; architect, R. W. Gibson.

FACTORIES.

Chicago, Ill. — The Baker & Vatter Co., four-st'y factory, 1102-1106 Marianna St.; cost, $12,000.

G. N. Barker, factory and office, Anthony Ave. and Fort Wayne R. R.; cost, $7,500.

R. E. Boener, one-st'y factory, 99-101 Bunker St.; cost, $5,000.

New York, N. Y.—*Scammel St., Nos.* 38-42, five-st'y brick factory, tin roof; cost, $30,000; owner, James Wallace, 55 West Thirty-eighth St.; architect, Daniel Burgess, 240 East Eighty-sixth St.

HOUSES.

Arlington, Mass. — *Main St.*, frame dwell.; cost, abt. $3,500; owner, W. W. Rawson; contract to be let; architect, J. Merrill Brown, Boston.

Baltimore, Md.—B. F. Bateman, three-st'y brick building, n w cor. Light and Ostend Sts.

Hy. Knefehy, 2 three-st'y brick buildings, s s Hollins St., e Parkin St.

G. E. Warfield, 4 three-st'y brick buildings, s s Fayette St. w Schroeder St.

Mrs. E. H. M. Stonebraker, 5 two-st'y brick buildings, McDermott St, between Exeter St. and Central Ave.

Boston, Mass. — *Whitney St., No.* 22, *and rear No.* 20, Ward 22, 2 three-st'y frame dwells., flat roofs, 21′ x 35′; owner, Thos. Burns; builder, M. T. O'Brien.

Whitney St., near Tremont St., Ward 22, three-st'y frame dwell., 24′ x 42′; owner, Margaret T. O'Brien; builder, Jas. Pearce.

Brooklyn, N. Y.—*Macon St.*, n s, 480′ e Saratoga Ave., 5 two-st'y and basement brick dwells., tin roofs; cost, $3,500 each; owner, John Kehoe, 2158 Fulton St.; architect, John E. Dwyer, 1510 Broadway.

Sumter St., n s, 175′ w Hopkinson Ave., 3 two-st'y and basement brick dwells., tin roofs; total cost, $14,000; owner, Mary A. Benckman, 427 Gold St.; architect, Mr. Thomas.

Forty-sixth St., s s, 100′ w Fourth Ave., 2 three-st'y frame dwells., tin roof; cost, $3,000 each; owner, James Cochran, Forty-ninth St. and Third Ave.; architect, Thomas Bennett, Third Ave. and Forty-ninth St.

Pacific St., n s, 200′ e Stone Ave., 2 three-st'y frame dwells., tin roofs; cost, $3,000; owner and architect, J. C. Truax, 26th Ward.

Richmond St., e s, 225′ n Fulton St, 2 two-st'y frame dwells., tin roofs; cost, $3,000 each; owners, E. M. Smith, 245 Dean St., and Sarah C. Scofield, 398 State St.; architect, E. M. Smith, 245 Dean St.

Howard Ave., e s, 45′ n Sumpter St., three-st'y frame dwell., tin roof; cost, $4,500; owner, John Peffer, Sumpter St. and Howard Ave.; architect, Chas. Infanger, 68 Van Siclen Ave.

Halsey St., s s, 200′ w Throop Ave., 6 two-and-a-half-st'y brick dwells., tin roofs; cost, $5,000 each; owner, architect and builder, David Weild, 359 Hancock St.

Warwick St., w s, 125′ s Arlington Ave., two-st'y frame dwell., tin roof; cost, $3,200; owner, F. H. Koenig, Ashford St.; architects, Denmar & Fischer, 2921 Atlantic Avenue.

Russell Place, e s, 100′ s Herkimer St., three-st'y frame dwell., tin roof; cost, $3,500; owner, Ernst Sutterlin, 224 Howard Ave.; architect, Frank W. Ames, 1002 Halsey St.

Throop Ave., n w cor. Hart St., 5 two-and-a-half-st'y brick dwells., tin roofs; cost, $6,000 each; owner, J. Rapalyea, 828 West James Place; architect, J. Reynolds.

Pacific St., s s, 241′ 8″ w Utica Ave., 8 two-st'y frame dwells., tin roofs; cost, $2,000 each; owner, Joseph Hopkins, Jr., Bushwick Ave. and Pilling St.

McDougal St., s s, 100′ w Hopkinson Ave., 14 two-st'y brick dwells, tin roofs; cost, $2,500 each; owner, Joseph Hopkins, Jr., Bushwick Ave. and Pilling St.

Bushwick Ave., e s, 49′ 3½″ n Elm St., 2 three-st'y brick dwells., tin roofs; total cost, $14,000; owner, Martin Warn, Bushwick Ave., cor. Suydam Ave.; architect, Th. Engelhardt, 905 Broadway.

Ralph Ave., e s, 50′ s Herkimer St., 3 four-st'y brick dwells., tin roofs, total cost, $18,000; owner, Peter Kelly; architect, H. Vollweiler, 486 Hart St.

McDougall St., s s, 100′ w Hopkinson Ave., 14 two-st'y brick dwells., tin roofs; cost, $2,500 each; owner, Jos. Hopkins, Jr., Bushwick Ave. and Pilling St.

Seventeenth St., s s, 100′ w Tenth Ave., 2 three-st'y frame dwells., tin roofs; total cost, $7,000; owner, Thos. Crane, Prospect and Eleventh Aves.

Bergen St., n s, 100′ e Ralph Ave., 13 two-st'y frame dwells., gravel roofs; cost, $1,500 each; owner, Jacob Georgens, 251 Floyd St.; architect, Frank W. Owens, 1002 Halsey St.

Jefferson Ave., s s, 102′ 6″ w Stuyvesant Ave., 3 two-st'y brick dwells., tin roofs; cost, each, $4,200; owner, Wesley E. Bush, 137 St. Mark's Ave.; architect, John E. Dwyer, 1540 Broadway.

Greene Ave., s s, 125′ w Central Ave., 8 two-st'y frame dwells., tar and gravel roofs; cost, each, $2,500; owner and architect, V. R. Case, 302½ Morrison St.

Cambridge, Mass. — *Garfield St.*, frame dwell.; owner, R. T. Green; contract to be let; architects, Rand & Taylor, Boston.

Lambert St., cor. Walnut Ave., frame dwell., 40′ x 50′; cost, abt. $10,000; owner, C. Warren Ellis; contract to be let; architect, J. Merrill Brown, Boston.

Chelsea, Mass.—*Powderhorn Hill*, frame dwell., 29′ x 40′; owner, A. T. Hunnewell; architects, Rodman & Norris, Boston; builder, Chas. Kilby.

Chicago, Ill.—John Zimmerman, two-st'y dwell., Centre Ave. near Evanston, cost, $3,000.

A. M. Garland, two-st'y dwell., Winter, near Seventy-seventh St.; cost $3,300.

J. L. Kein, three-st'y dwell., 3432 Michigan Ave.; cost, $3,000.

J. D. Allen, three-st'y dwell., 3441 Michigan Ave.; cost, $10,000.

John Schinder, two-st'y dwell., 3918 Wabash Ave.; cost, $5,000.

Haas Bros., two cottages, Woodlawn, near Seventy-first St.; cost, $2,000.

W. H. Webb, two-st'y dwell., Exchange and Ninety-sixth St.; cost, $3,500.

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J. Garry, two-st'y dwell., 1131 Wilcox Ave.; cost, $3,000.

S. Wiley, two-st'y dwell., 5413 Jackson Ave.; cost, $3,000.

Robt. S. Elder, 7 two-st'y dwells., 103-115 Evanston Ave.; cost, $28,000.

C. F. Camp, two-st'y dwell., 858 Walnut St.; cost, $3,000.

J. J. McGinnis, three-st'y dwell., Diversey Ave. and Frank St.; cost, $20,000.

Wm. Sivyer, 2 two-st'y dwells., Jackson Ave. near Fifty-sixth St.; cost, $10,000.

S. Dombey, two-st'y dwell., Winnaconna near Wright St.; cost, $3,300.

E. Mandel, three-st'y dwell., 3400-3402 Michigan Ave.; cost, $100,000.

Miss Lizzie Beck, two-st'y dwell., 260 Racine Ave.; cost, $4,500.

L. Yick, two-st'y dwell., 863 Sawyer Ave.; cost, $4,000.

C. Nitschke, two-st'y dwell. and barn, 1409 W. Ravenswood St.; cost, $2,000.

M. A. Garrett, two-st'y dwell., Yale and Harvard Sts.; cost, $6,000.

Cincinnati, Ohio. — Peter Stewert, two-and-a-half-st'y brick dwell., Wheeler, between Warner and McMillan Sts.; cost, $3,200; architects, Rieg & Marty.

Dr. M. H. Keyt, two-st'y brick dwell., McMillan St., Walnut Hills; cost, $8,500; architect, Des Jardins & Hayward.

Val Englert, three-st'y brick dwell., Marshall Ave.; cost, $2,700; architect, E. F. Baude.

L. Ahlert, two-and-a-half-st'y brick dwell., Betts Alley; cost, $2,700; architect, E. F. Baude.

Oscar W. and Clara G. Keihn, two-and-a-half-st'y frame dwell., Ingleside Place; cost, $4,000; architect, W. W. Franklin.

O. Early, two-st'y frame dwell., Foraker Ave.; cost, $1,145; architect, J. C. Ellman.

Christ. Horstman, two-and-one-half-st'y dwell., Western Ave.; cost, $4,650; architects, Kuckertz & Pfeiffer.

Lexington, Mass.—*On new street*, near Monroe Station, frame dwell.; cost, abt. $4,000; owner, G. F. Mead; contract to be let; architect, J. Merrill Brown, Boston.

Little Rock, Ark.—H. P. Edmonson, two-st'y frame dwell.; cost, $3,000; architect, Fred J. H. Rickon; contract not let.

Minneapolis, Minn. — I. H. Edmonds, two-st'y frame dwell., 71 North Fifteenth St.; cost, $6,500.

New York, N. Y.—*One Hundred and Fifty-third St.*, n s, 194′ e Tenth Ave., three-st'y brick dwell., tin and tile roof; cost, $15,000; owner, Wm. F. Disbrow, 134 East Sixty-first St.; architect, Wm. Baker, Union Square.

Seventy-seventh St., n s, 100′ w Columbus Ave., 9 four-st'y brick dwells., tin roofs; cost, $162,000; owner, Eli Martin, 100 West Eighty-first St.; architect, H. L. Harris, Temple Court.

West End Ave., s e cor. Seventy-second St., 5 four-st'y brick dwells., tin and tile roofs; cost, $100,000; owner, W. E. D. Stokes, 269 West Seventy-third St.; architect, Joseph H. Taft, 33 East Twentieth St.

One Hundred and Fortieth St., s s, 80′ e Willis Ave., three-st'y brick dwell., tin roof; cost, $5,000; owner, August F. Nickel, 298 Willis Ave.; architect, Wm. Graul, 215 Bowery.

Seventy-second St., n s, 250′ e Ninth Ave., four-st'y brick dwell., tin roof; cost, $50,000; owner, Julius A. Kohn, 14 East Sixty-third St.; architects, Buchman & Deisler, 8 West Twenty-ninth St.

Eighty-eighth St., n s, 325′ e Tenth Ave., 6 three-st'y brick dwells., tin roofs; cost, $75,000; owners, McDowell & Heney, 884 East One Hundred and Thirty-eighth St.

Park Ave., w s, 102′ 2″ n Seventy-Ninth St., four-st'y brick dwell., tin roofs; cost, $17,000; owner, James McDowell, 172 Eighty-eighth St.; architect, Thomas Graham, 109 East Forty-fifth St.

Eighty-fifth St., n s, 155′ w Ninth Ave., 8 three-st'y brick dwells., tin roof; cost, 128,000; owner, D. Willis James, 11 Cliff St.; architect, John G. Prague, 1462 Ninth Ave.

St. Ann's Ave., e s, 45′ n One Hundred and Thirty-sixth St., three-st'y brick dwell., tin roof; cost, $5,000; owner, Helen J. Twigg, 152 East One Hundred and Twenty-sixth St.; architect, Andrew Spence, 163 East One Hundred and Twenty-fifth St.

Eighty-seventh St., s s, bet. Central Park, w, and Columbus Ave., 8 four-st'y brick and stone dwells.; cost, abt. $200,000; owners and architects, Chas. Buek & Co.

Norfolk, Va.—Brick dwell., 20′ x 75′; owner, Barton Meyers; architect, E. A. P. Newcomb, Boston.

Philadelphia, Pa. — *Smick St.*, s s, w Fountain St., 2 two-st'y dwells.; owner, Henry Ashworth, Paoli Ave., w Ridge Ave.

Broad St., w s, s Jefferson St., three-st'y dwell.; contractor, S. R. Riley, 627 Filbert St.

East Cumberland St., No. 2342, three-st'y dwell.; contractor, Wm. C. Haddock, 2219 East York St.

Lehigh Ave., s s, e Trenton Ave., 3 two-st'y dwells.; owner, Gwen McArdle, 1544 East Lehigh Ave.

Tucker St., s s, w Memphis St., 2 two-st'y dwells.; owner, Owen McArdle, 1544 East Lehigh Ave.

Market St., n s, w Forty-second St., 4 two-st'y dwells.; owner, Thomas C. Sloan, 51 North Fortieth St.

Seventy-second St., w s, n Gray's Ave., 7 two-st'y dwells.; owner, Jos. Costello, 134 South Seventh St.

Herman St., n s, w Hancock St., three-st'y dwell.; contractor, J. O. Broadbent, 314 Haines St.

High St., s s, e Cedar St., 2 three-st'y dwells.; contractor, J. O. Broadbent, 314 Haines St.

Dorset St., s s, e Boyer St., two-st'y dwell.; owner, J. F. Meehan, Chew St., bel. Church St.

Passyunk Ave., No. 1335, three-st'y dwell.; contractors, Duross & Welsh, 758 South Broad St.

Frankford Ave., e s, n Allegheny Ave., two-st'y

dwell. and store; contractor, Wm. Born, 1013 Callowhill St.

Herman St., w s, w Hancock St., three-st'y dwell. and store; contractor, J. O. Bradshaw, 314 Haines St.

Knorr St. and Torresdale Ave., two-st'y dwell. and store; owner, John Minnick, Tacony.

Seventy-second St., w s, n Gray's Ave., 7 two-st'y dwells.; owner, Jos. Costello, 134 South Seventh St.

Fifty-third St., e s, s Woodland Ave., two-st'y dwell.; owner, J. W. Colfesh, Fifty-third St., s Woodland Ave.

Providence, R. I.—*Moore St.*, frame dwell.; owner, John McWilliams.

Providence St., frame dwell.; owner, Daniel A. Cook; builder, W. Barstow.

Angell St., frame dwell.; owner, J. F. Richards; builder, Chas. Richards; architects, Stone, Carpenter and Willson.

Somerville, Mass.—*St. James Ave.*, frame dwell., 25′ x 33′, with L, 8′ x 16′; owner, James Bolger; builder, John W. Prevost.

Wyatt St., near Cook St., double frame dwell., 40′ x 42′, with L, 14′ x 15′; owner, H. C. Holt.

Dover St., double frame dwell., 40′ x 77′; owner, Wm. H. Jones; builders, Dunlop & Phinney.

Dickinson St., four frame dwells., each 22′ x 30′, with L's, 14′ x 18′; owner and builder, John Elston.

Allston St., cor. Shawmut Pl., double frame dwell., 22′ x 39′, with L, 13′ x 17′; owner and builder, A. Headley.

Orchard St., near Russell St., double frame dwell., 30′ x 50′; owner, Gilmore Gethner; builder, J. K. Ricker.

Adams St., two frame dwells., 30′ x 38′; owner, Frank Downer; builder, Geo. T. Willoughby.

Chandler St., two frame dwells., each 26′ x 35′; owner and builder, Jason E. Herrick.

Medford St., near Central St., frame dwell., 25.8′ x 51.2′; owner, Alex. Sproul; builders, Gould & Murray.

Dana St., frame dwell., 25′ x 29′, with L, 13′ x 18′; owner and builder, Chas E. Harris.

Belmont Pl., frame dwell., 21′ x 34′; owners and builders, Waugh & Waugh.

Mason St., frame dwell., 21′ x 50′, with L, 10′ x 28.6′; owner, John Atkinson; builders, Briggs Bros.

Richardson St., frame dwell., 24′ x 35′; owner, R. C. McNabb; builder, Peter L. Leroux.

Montrose St., frame dwell., 24′ x 27.6′; owners, A. A. Ball and J. W. Prevost; builder, John W. Prevost.

Hudson St., near Lowell St., frame dwell., 21′ x 26′, with projections, 5′ x 18′ and 15′ x 16′; owner, Solomon S. Higgins; builder, Robert H. Collupy.

St. Louis, Mo.—Two-st'y brick dwell.; cost, $2[illegible],000; owner, T. Neukom; contractors, Zwicki & Doerflinger.

Two-st'y brick dwell.; cost, $15,00[illegible]; owners and contractors, Kiel & Dawes Cont. Co.

Two two-st'y brick dwells.; cost $7,000; owner, C. R. H. Davis: contractor, D. G. Hughes.

Two two-st'y brick dwells.; cost, $18,000; owners and contractors, Castano & Martin.

Two-st'y brick dwell.; cost, $12,000; owners and contractors, Castano & Martin.

Two-st'y brick dwell.; cost, $2,500; owner and contractor, T. F. Marley.

Two-st'y brick dwell.; cost, $2,500; owner, Wm. Ickes; contractor, Fred Wende.

Two-st'y frame dwell.; cost, $2,500; owner, Mrs. E. S. Mason; contractor, T. F. Marley.

Two-st'y brick dwell.; cost, $4,000; owner, L. Becker; contractor, Herbig Bros.

Three-st'y brick dwell.; cost, $4,300; owner, E. E. Acton; contractor, P. J. Smith.

Two-st'y brick dwell.; cost, $6,600; owner, E. J. Jett; contractor, S. L. Jones.

Two-st'y brick dwell; cost, $4,200; owner, J. P. Downs; contractor, E. Halloran.

Two-st'y brick dwell.; cost, $11,000; owner, I. De Figueredo *et al*; contractors, Goesse & Remmers.

Two-st'y brick dwell.; cost, $7,000; owner, Dr. Whipple; contractor, W. E. Clayton.

Two-st'y brick dwell.; cost, $5,000; owner and contractor, J. Bizant.

Two-st'y brick dwell.; cost, $17,000; owner and contractor, J. Bizant.

Two-st'y brick dwell.; cost, $3,800; owner and contractor, Sam'l. Bent.

Two-st'y brick dwell.; cost, $3,800; owner, Peter Bauer; contractor, H Bauer.

Watertown, Mass.—*Coolidge Hill St.*, frame dwell., 31′ x 45′; owner, Sumner Coolidge; contract to be let; architects, Rodman & Norris, Boston.

Woburn, Mass.—Frame dwell., 32′ x 51′; owner, E. L. Shaw; contract to be let; architects, Rand & Taylor, Boston.

OFFICE-BUILDINGS.

Baltimore, Md.—The B. & O. R. R. Co. will build a two-st'y office-building on n s Fort Ave.

Chicago, Ill.—Frances Bartlett, sixteen-st'y office-building, 265-271 Dearborn St.; cost, $350,000.

Cincinnati, O.—Joseph T. Carew, eight stores and office-building, Fifth and Vine Sts.; cost, $150,000; architect, Jas. W. McLaughlin.

Thos. Emery & Sons, four-st'y office-building and store, Fifth St.; cost, $9,500; architect, Jos. G. Steinkamp.

Philadelphia, Pa.—*Sedgley Ave.*, n s, e Twenty-seventh St., one-st'y office; owners, J. F. Hazard & Co., 506 Girard Building.

PUBLIC BUILDINGS.

Boston, Mass.—*Harrison Ave., East Springfield, East Concord and Albany Sts.*, Ward 18, two-st'y brick library, pitch roof, 42.4′ x 58; owner, City of Boston; builders, Sampson, Clark & Co.

Swansea, Mass.—Town-hall, to be presented to the town by Hon. Frank S. Stevens; to be constructed of field-stone, with brownstone trimmings; one-st'y and basement, high pitch roof, 61′ x 80′; to have a tower, clock and bell; inside finished in oak; divided into town-hall, library and selectmen's room; builders: John J. Highlands, Fall River, mason; Angus McDonald, carpenter; J. Merrill Brown, architect, Boston.

SCHOOL-HOUSES.

Chicago, Ill.—Rev. P. L. Burmann, two-st'y school-house, Thirty-sixth St. and Hoyne Ave.; cost, $3,000.

Monticello, Ark.—Prof. Hinsman, frame school-building; cost, $5,000; architects, Fred J. H. Rickon and F. W. Gibb, Little Rock, Ark.

New York, N. Y.—*Laurence St., No.* 101, one-st'y brick school-house, peak tin roof; cost, $3,800; owner, St. Mary's Church, One Hundred and Twenty-seventh St. and Riverside Drive; architect, Geo. Keister, 53 West Thirty-third St.

Marion Ave., Travers St., South Boulevard and Bainbridge Ave., five-st'y brick convent and school, peak slate roof; cost, $70,000; owners, Ursuline Nuns, Bedford Park; architect, T. H. Poole, 246 Fifth Ave.

St. John's College Grounds, Fordham, five-st'y brick school, mansard, slate and tin roof; cost, $100,000; owner, St. John's College; architect, James M. Farnesworth, Temple Court.

STABLES.

Boston, Mass.—*Bellevue St.*, near Rutledge St., Ward 23, one-st'y frame stable, pitch roof, 25′ x 30′; owner, H. I. Smith; builder, Jesse Smith.

Brooklyn, N. Y.—*Locust St.*, e s, 150′ s Beaver St., three-st'y brick stable, with s orage for beer in cellar, tin roof; cost, $15,000; owner, Wm. Ulmer, Belvidere St., cor. Beaver St.; architect, Fred Wunder, 126 Broadway.

Chicago, Ill.—Skeeles Bros., two-st'y livery-stable, 5127-5129 State St.; cost, $8,000.

Oliver Forsyth, two-st'y barn, 1915 Michigan Ave.; cost, $2,500.

Union Stock Yards and Transit Co., two-st'y barn, Halsted St., near Forty-third St.; cost, $3,000.

Cincinnati, O.—Enterprise Lumber Co., owners and architects, one-st'y stable and open shed, Liberty St.; cost, $3,000.

New York, N. Y.—*Eighty-eighth St.*, n s, 125′ w Tenth Ave., five-st'y fireproof stable; owner, Jas. McNiece; architect, G. H. Griebel.

West Nineteenth St., No. 161, four-st'y brick stable, tin roof; cost, $20,000; owner, Nathan Strauss, 345 West Fifty-seventh St; architect, H. J. Hardenburgh, 10 West Twenty-third St.

Philadelphia, Pa.—*Locust Ave.*, n s, w Chew St., one-st'y stable; contractor, Howard Rue, 5359 Adams St.

Jannette St., w s, n Freedland Ave., one-st'y stable; owner, A. A. Harmer, Freedland Ave.

Van Pelt St., No. 2040, two-st'y stable; contractor, Jos. H. Gilbert, 2124 North Sixteenth St.

STORES.

Boston, Mass.—*Dorchester Ave.*, near Richmond St., Ward 24, two-st'y frame store, flat roof, 32′ x 45′; owner, A. Gramer; builder, A. H. Plummer.

Park Sq., No. 34, Ward 11, one-st'y brick store, flat roof, 27.6′ x 36.7′; owner, H. F. Sears; builders, Neal & Preble.

Brooklyn, N. Y.—*Fourth Ave.*, s w cor. Fifty-third St., 2 three-st'y frame stores and dwells., tin roofs; cost, $11,000; owner, James G. Davis, 244 Forty-ninth St.; architects, H. L. Spicer & Sons, Third Ave. and Fifty-third St.

Stagg St., n s, 350′ w Waterbury St., four-st'y frame store and dwell., tin roof; cost, abt. $5,000; owner, Charles King, on premises; architect, F. J. Berlenbach, Jr., 260 Graham Ave.

Greene Ave., s w cor. Sumner Ave., four-st'y brick store and dwell., tin roof; cost, $20,000; owner, Thos. B. Bryant, 272 Lewis Ave.; architects, J. D. Reynolds & Son, 363 Fulton St.

Macon St., s e cor. Ralph Ave., four-st'y brick store and dwell., tin roof; cost, $14,000; owner, architect and builder, S. G. Holland, on premises.

Broadway, n e cor. Jefferson Ave., 5 three-st'y frame stores and dwells., tin roofs: cost, $4,200; owner, C. H. Moller; architect, F. Holmberg, 1161 Broadway.

Jefferson Ave., n s, 80′ e Broadway, three-st'y frame store and dwell., tin roof; cost, $7,000; owner, C. H. Moller; architect, F. Holmberg, 1161 Broadway.

Nostrand Ave., n s, 107′ 9″ n Myrtle Ave., 2 four-st'y frame stores and dwells., tin roofs; cost, $12,000; owner, Christ. Gebhardt, 747 Myrtle Ave.; architect, Th. Englehardt, 905 Broadway.

Chicago, Ill.—F. Orloft, two-st'y store and dwell., 1580 Fillmore St.: cost, $2,400.

Theodore Selling, two-st'y store and dwell., Grand Ave. and Tinkham St.; cost, $3,000.

Henry Brown, 2 two-st'y stores and flats, Thirty-first St. and Prairie Ave.; cost, $4,000.

Wm. Bergstrom, two-st'y store and flats, Morgan and Fifty-seventh Sts.; cost, $2,200.

P. A. Bonfig, four-st'y store, flats and barn, 375 North State St.: cost, $15,000.

Reynert Reynertson, three-st'y store and flats, 736 West Fourteeth St.; cost, $6,000.

Justin Oetzel, store and flat, 477 California Ave.; cost, $2,500.

Wm. Madler, four-st'y store and flats, 292 Sedgewick St.; cost, $11,000.

E. D. Murray, 4 three-st'y stores and flats, Cottage Grove Ave., near So. Chicago Ave.; cost, $12,000.

Paul Mroych, store and dwell., Forty-eighth and Wood Sts.; cost, $2,500.

Wm. Ohlhaber, 2 three-st'y stores and flats, 353-355 North Ave.; cost, $15,000.

Jacob Winkler, two-st'y store and dwell., Commercial, near Eighty-ninth St.; cost, $3,000.

N. B. Brueshaber, four-st'y store and flats, 947 West Twenty-first St.; cost, $7,000.

S. F. Sayres, two st'y store and flats, Halsted and Sixty-ninth Sts.; cost, $2,000.

Henry Sweet, five-st'y store and flats, Thirty-first and Bonfield St.; cost, $16,000.

C. Duckerson, two-st'y store and flats, Halsted and Sixty-ninth St.; cost, $4,500.

F. J. Strey, two-st'y store and flats, 805 Forty-seventh St.; cost, $2,000.

J. Schiadiski, two-st'y store and flats, 549 Twenty-fifth St.; cost, $3,500.

Nicholas Overton, two-st'y store and flats, Michigan Ave. and One Hundred and Fifteenth St.; cost, $2,100.

Joseph Duplicy, 6 three-st'y stores and flats, 330-334 Forty-third St. and 4350-4254 Langley Ave.; cost, $16,000.

F. C. Bush, 2 two-st'y stores and flats, Sixty-third and Carpenter Sts.; cost, $6,000.

Herman Moormot, two-st'y store and dwell., 228 Horner St.; cost, $2,500.

John O'Neil, 2 two-st'y stores and flats, 4501-4503 Wallace St.; cost, $7,500.

J. Younghaus, two-st'y store and dwell., School and Fifty-ninth St.; cost, $3,300.

Andrew Venema, 4 two-st'y stores and flats, 607-613 Southwood St.; cost, $11,000.

William Wilson, 4 three-st'y stores and flats, 379-385 Forty-third St.; cost $14,000.

Swan A. Nelson, four-st'y store and flats, 183 Belden Ave.; cost, $13,000.

Monticello, Ark.—Brick store and bank for R. H. Hyatt; cost, $7,000.

New York, N. Y.—*East Ninth St., No.* 86, five-st'y store and workshops; cost, $16,000; owner, Mrs. Hattie K. Hilton; architect, F. Goudard de Lachan, 543 Fifth Ave.

Waverley Pl., n e cor. Greene St., six-st'y brick store, tin roof; cost, $285,000; owner, S. C. Lyons, 67 East One Hundred and Twenty-seventh St.; architects, Buchman & Deisler, 8 West Twenty-ninth St.

Christie St., No. 194, six-st'y brick store, tin roof; cost, $14,000; owners, Weil & Meyer, 227 East Sixtieth St.; architects, Schneider & Herter, 48 Bible House.

Philadelphia, Pa.—*Master St., No.* 2222, two-st'y store; owner, John Malloch, on premises.

Somerville, Mass.—*Medford St.*, brick buildings for the New England Dressed-Beef Co.: one a market, 80′ x 100′, three stories; first story to be used for stores and markets, stories above for storage; another building, 80′ x 125′, three stories; first story for forging, second and third stories for wagon-factory. Also a three-st'y stable, 80′ x 125′; first story for wagons, second for horses, and above for hay; contracts for all to be let; plans are being prepared; architect, J. Merrill Brown, Boston.

St. Louis, Mo.—Two-st'y brick store and rooms; cost, $5,000; owner, Albert Zimer; contractor, J. C. Hacker.

Two-st'y brick store and rooms; cost, $3,500; owner, Wm. Turner; contractor, P. Schinnict.

Three-st'y brick store and dwell.: cost, $6,000; owners, Hoffman Hardware & Paint Co.; contractor, F. Thoms.

White River Junction, Vt.—Ten brick and stone stores and music-hall; frontage about 275 feet and depth 60 feet; stores two stories and hall three; owner, Miss Mae E. Gates; builder, S. S. Ordway; architect, E. A. P. Newcomb, Boston.

TENEMENT-HOUSES.

Boston, Mass.—*North St.*, cor. Hanover Ave., Ward 6, five-st'y brick tenement and store, flat roof, 31′ x 36′; owner, A. Divolo.

WAREHOUSES.

Chicago, Ill.—Heintz & Weise, five-st'y warehouse, Brown and Twenty-first Sts.; cost, $15,000.

MISCELLANEOUS.

Boston, Mass.—*Boylston St., No.* 84, *and Providence St.*, Ward 11, six-st'y brick mercantile building, flat roof, 25′ x 135′; owner, A. D. Claflin, Trustee; builders, W. A. & H. A. Root.

Border St., Nos. 98-106, Ward 2, one-st'y brick mercantile building, flat roof, 30′ x 101′; owners, E. B. Dry Dock Co.; builders, M. S. & G. N. Miller.

Dudley St., No. 178, *rear*, Ward 20, two-st'y frame mechanical building and stable, flat roof, 32.6′ x 67′; owner and builder, W. Ballantyne.

Huntington Ave., near West Chester Park, Ward 11, four-st'y brick club-house, flat roof, 56′ x 99.4′; owner, Elysium Club; builders, W. A. & H. A. Root.

Brooklyn, N. Y.—*North Tenth St.*, s s, *and Bulkhead*, four-st'y grain elevator, tin roof; cost, $40,000; owner, Lowell M. Palmer, 181 Front St., cor. Burling Slip, New York; architect, Philip H. Gill, 11 Bowne St.

Thirteenth St., s s, 147′ 10″ w Sixth Ave., two-st'y brick hall and dwell., tin roof; cost, $3,500; owner, architect and builder, Wm. Hawkins, 358A Fourteenth St.

Washington St., s e cor. Johnson St., eight and nine st'y brick printing-house and office-building, brick, cement and gravel roof; cost $300,000; owner, Brooklyn *Daily Eagle*, Fulton St.; architect, George L. Morse, 213 Montague St.

Bryn Mawr, Pa.—Two-st'y stone L-shaped dormitory for Bryn Mawr College; architects, Cope & Stewardson, 212 South Second St., Philadelphia.

Chicago, Ill.—Nelson Morris, foundation, Forty-fifth St. and Michigan Ave.; cost, $2,000.

Hill Bros. & Co., elevator and engine-house, Thirty-ninth St. and W. I. R. R.; cost, $12,000.

Rice & Bullen Malting Co., six-st'y malt-house, Robinson Ave., near North Ave.; cost, $20,000.

Royse Bakery Co., two-st'y bakery, Lincoln and Walnut Sts.; cost, $5,000.

Cincinnati, O.—Cincinnati St. R. R. Co., foundation; cost, $10,000; architect, Bert L. Baldwing.

Delaware Co., Pa.—Seven new brick buildings for House of Refuge; cost, $250,000; architects, Cope & Stewardson, 212 South Second St., Philadelphia.

Louisville, Ky.—Drach & Thomas, architects, report the following work: Dwell. for J. Hite Barrett, Third and Oak Sts., pressed-brick, Portage stone trimmings; cost, $9,000. Young Men's Hebrew Association, gymnasium; cost, $6,000. Eaton College, gymnasium building; cost, $14,000; dormitory, $28,000; library, $12,000. Cord, Linton & Co., warehouse; cost, $7,000. George Fostschun, dwell., Fourteenth and Chestnut Sts.; cost, $6,000. National Building and Loan Association, 13 dwells. on Sixth and Magnolia Aves.; cost, $43,000. Capt. Ed. J. Howard, dwell. at Jeffersonville, Ind.; cost, $45,500. E. C. Bohni, guardian for Geo. M. Kean, business house, Main St., near Seventh St.; cost, $18,000. Mrs. H. W. Rudolf, dwell., Walnut and Twenty-third Sts.; cost, $3,500. Cottage for Mrs. Steele, Seventeenth and Walnut Sts.; cost, $3,000. Cottage for Harry Schicky, Fourteenth and Magazine Sts.; cost, $2,800. J. C. Brennan, repairs of hotel, Seventh and Main Sts.; cost, $4,000. Chapel for Crescent Hill Presbyterian Church; cost, $3,000. Addition to store for John Hoerhoefer; cost, $4,000. Dwell. for Chas. W. Buck, First St. and Ormsby Ave.; cost, $5,000. Dwell. for J. A. Pfingst, Thirty-first and Chestnut Sts.; cost, $4,500.

Minneapolis, Minn.—Kinnard Press Co., brick machine-shop, Dupont Ave., near Forty-sixth Ave.; cost, $5,000.

New York, N. Y.—*Staten Island*, fireproof stone music-hall for Sailors' Snug Harbor; architect, R. W. Gibson.

Twenty-seventh and Twenty-eighth Sts. and Eleventh to Thirteenth Aves., seven-st'y brick storage building, four-ply gravel roofing; cost, $650,000; owner, Wm. W. Rossiter, 77 Broad St.; architect, George B. Mallory, 50 Broadway.

Philadelphia, Pa.—*Dauphin St.*, s s, e Tulip St., one-st'y weave-shop; contractor, Wm. C. Haddock, 2219 East York St.

Twentieth St. and Point Breeze Ave., three-st'y hall and store; contractor, T. A. Ash, 210 North Eleventh St.

Wistar St., No. 2016, new front; contractor, Thos. Lynch, 1619 North Fifteenth St.

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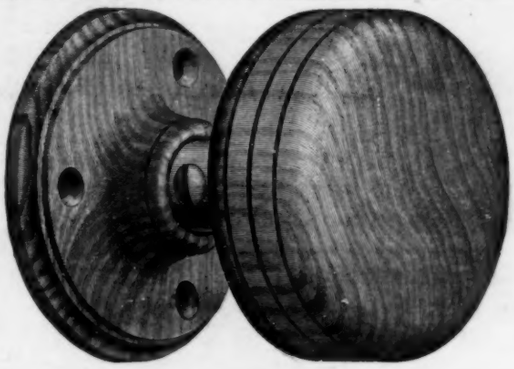

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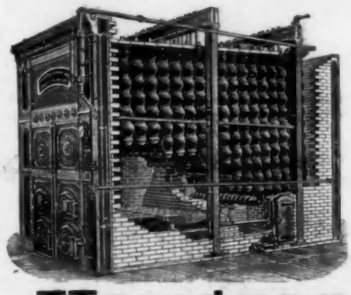

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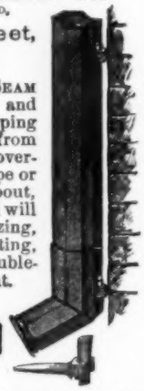

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Chestnut "	@	25 @ 50	*Not sold.*	20 @ 30
Finishing Woods: ₱ M. (*First Qual.*)				
Ash [*Kiln dried.*]	@ 55 00	45 00 @ 60 00	30 00 @ 40 00	30 00 40 00
Cherry	80 00 @ 120 00	85 00 @ 120 00	80 00 @ 100 00	80 00 @ 100 00
Butternut	40 00 @ 60 00	60 00 @ 70 00	50 00 @ 60 00	70 00 @ 80 00
Hard-pine floors (rift)		50 00 @ 60 00		
Mahogany, Baywood [Mexican]	@ 180 00	150 00 @ 160 00	150 00 @ 200 00	150 00 @ 250 00
" St. Domingo	@ 350 00	120 00 @ 350 00	200 00 @ 250 00	200 00 @ 400 00
Maple	45 00 @ 50 00	45 00 @ 50 00	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 @ 80 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 ₱ ℔	@ 6		@ 7	
Spruce floors (clear, kiln-dried)		32 00 @ 35 00		
Walnut, black	125 00 @ 150 00	85 00 @ 120 00	55 00 @ 100 00	50 00 @ 170
Whitewood	45 00 @ 50 00	40 00 @ 45 00	18 00 @ 40 00	25 00 @ 40 00
Yellow pine ₱ M	@ 45 00	40 00 @ 42 00	29 00 @ 40 00	27 50 @ 45 00

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Common: *Cargo afloat.*				
Pale	2 50 @ 3 25	Eastern 9 00 @ 10 00	Building Brick @ 6 50	Sq. Hard @ 12
Jersey	4 00 @ 5 50	Bay State Hard 9 00 @ 10 00		" @ 9 00
Long Island	5 50 @ 6 00	Domestic Com. 9 50 @ 10 00	Indiana Pressd 14 00 @ 20 00	Salmon 6 50
Up River	4 50 @ 5 50	Domestic Face 20 00 @ 22 00	St. Louis Fronts @ 27 00	Sq. " @ 9 00
Haverstraw Bay 2nd	5 00 @ 5 50	Philadelphia 40 00 @ 45 00		Light Stretchers @ 12 00
" 1st	5 75 @ 6 25	Phila. mould 50 00 @ 80 00		Medium " @ 14 00
Hollow	@ 13 00	Anderson 14 00 @ 32 00	15 00 @ 27 00	Red " @ 15 00
Fronts			65 00 @ 350 00	Dark " @ 15 00
Croton, Brown	14 00 @ 15 00		@ 55 00	Pressed 22 00 @ 26 00
" dark	15 00 @ 16 00		45 00 @ 50 00	Best Paving @ 16 00
" red	15 00 @ 16 00		45 00 @	Second " @ 14 00
Chicago pressed (Anderson)			25 00 @	Third " @ 13 00
Chicago Moulded			60 00 @ 100 00	
Baltimore	7 00 @ 41 00		30 @	
Philadelphia	@ 22 00		35 @	Dom. @ 65 @ 85
Trenton	@ 22 00		55 00 @ 65 00	
Milwaukee				
Moulded:				
Glens Falls Red Pressed	@ 37 00		@ 100 00	
" " Buff "	@ 30 00		@ 120 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.—(₱ *cask.*)				
Rosendale Cement	90 @ 1 10	1 20 @ 1 40	*Not Sold.*	1 30 @ 50
Louisville "	*Not sold.*	Brooks, S. & Co 2 60 @ 3 00	1 05 @ 1 30	B & S.E. 275 @ 300
Utica, Akron, Buffalo, Milw'kee.	2 50 @ 3 00	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 25 @ 2 50	2 60 @ 3 00	3 00 @ 3 25	2 75 @ 3 00
" " Black Cross	2 50 @ 2 80	2 60 @ 3 00	3 00 @ 3 25	2 85 @ 3 15
" " (Burham)	2 65 @ 3 00	2 60 @ 3 00	2 90 @ 3 15	2 75 @ 2 85
" " (White's)	3 60 @ 3 75	@ 5 00	3 00 @ 3 25	
" French (Lafarge)	2 90 @ 3 25	3 00 @ 3 50	3 75 @ 4 25	Hemmoor 2 50 @ 2 75
" German (Alsen)	2 25 @ 2 40	3 15 @ 3 35	@ 3 20	2 75 @ 2 85
" " (Fewer)	2 50 @ 2 90	Cleopatra 2 55 @ 3 00	3 20 @ 3 40	Josson 2 50 @ 2 75
" " (Vorwohler)	@	3 00 @ 3 50	@	3 00 @ 3 25
" " (Lagerdofer)	2 90 @ 3 25	2 15 @ 2 50	2 75 @ 3 00	2 75 @ 2 85
" " (Dyckerhoff)	2 50 @ 3 00	@ 3 00	3 25 @ 3 50	2 50 @ 2 75
" " (Hanover)	2 35 @ 2 85	@ 6 00	*Not Sold.*	3 00 @ 3 50
" " Stettin, (Anchor)	2 15 @ 2 45	@ 11 50	*Not Sold.*	5 50 @ 7 00
" American (Saylor's)	2 75 @ 3 00		2 75 @ 3 00	8 00 @ 9 00
Roman	5 75 @ 6 50		2 75 @ 3 25	
Keene's coarse	9 25 @ 10 25		6 00 @ 7 00	White Lime 25 @ 30 ₱ bush
" superfine			9 @ 10 50	White Mass 1 25 @ 1 50
Lime:	3 50 @ 4 00			1 00 @ 1 00
Lime of Tell	@ 1 45	@ 1 35	*Not sold.*	
Hydraulic Lime		St. John 1 00	55 @	*Not sold.*
Chicago Lime in bulk			60 @	*Not sold*
Wisconsin "	@ 90	@ 1 05	*Not sold.*	1 50 @ 2 25
Rockland and Rockport, (Com.)	@ 1 20	@ 1 10	*Not sold.*	1 75 @ 2 50
Rockland and Rockport, finish.	@ 1 20	@ 1 20	1 00 bulk, 75c.	20 @ 25
Kelley Island Lime, finish.	@ 85	*Not sold.*	*Not sold.*	30 @ 35
State, com. cargo rates (nom.)	@ 1 10	*Not sold.*	*Not sold.*	@ 1 50
State, finishing "	1 20 @ 1 25	1 85 @ 2 00	1 85 @ 1 90	
Plaster of Paris (calcined.)	1 30 @ 1 35	@ 2 25	1 85 @ 1 90	55 @ 65
" (casting)	12 @ 15	25 @ 30	20 @ 25	
Hair (Cattle) ₱ bush	22 @ 25	@ 50	30 @ 55	75 @ 90
" (Goat)	1 00 @ 1 25	1 75 @ 1 90	@ 60	Richmond 75 @ 1 55
Sand, ₱ load				4 50 ₱ Perch
STONE. (₱ *cubic foot, rough.*)				
Granite: (*Maine*)	45 @ 1 25	@ 60		
Limestone:	@ 1 00	95 @ 1 00	50 @	
Bedford	@		35 @ 55	
Joliet	@		35 @ 60	
Lemon	@			
Serpentine		10 50 per ton	6	1 00

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Mortar Colors.				
Black, brown, buff ℔ lb.	1 @ 2½			
Colorific ℔ lb.	@ 2½			
Red	@ 3			
White ℔ bbl	@ 1 75			
Foundation:				
Dimension	@	5 00 ℔ ton	20@	@ 5 00
Block	@	4 60 ℔ perch		Conshocken
Rubble	@	1 25 @ 1 50	8 50 @	1 45 @ 2 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		95 @ 1 16
Kibbe	@ 90	90 @ 1 10		
Brown (Connecticut)	1 00 @	1 25 @ 1 45	1 50 ℔ cub. ft.	1 05 @ 1 35
Amherst } Ohio	90 @ 95	90 @ 1 00	45 @ 50	
Berea } Ohio	75 @ 1 00	85 @ 90	45 @ 55	55 @ 1 00
Berlin } Ohio	75 @ 1 00	80 @ 90	55 @ 65	
Belleville	80 @ 1 25	1 25 @ 1 35	@ 1 25	1 10 @ 1
New Brunswick (Dorchester)	@ 1 00	75 @ 90	"	1 00 @ 1
Caen	@	@ 2 00	"	1 25 @ 1
Carlisle. English	@ 1 05	@ 1 05		95 @ 1
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	350 @ 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*)	5 00 @ 6 00	4 75 @ 5 25	5 50 @ 6 10	2 30 @ 3 00
" green	5 00 @ 6 00	5 50 @ 6 50	6 50 @ 7 10	3 25 @ 3 75
" " unfading	5 00 @ 6 00	5 50 @ 6 50	6 50 @ 7 10	3 50 @ 4 50
" purple	@ 10 00	10 00 @ 11 00	12 00 @ 14 00	7 50 @ 10 25
" red	4 25 @ 4 75	@	6 25 @ 6 85	2 25 @ 4 00
" black, Lehigh	— @ —	@	7 30 @ 8 00	4 00 @ 4 65
" " Chapmans	5 50 @ 8 00	5 50 @ 8 0	6 00 @ 9 00	5 50 @ 8 00
" Unfading Black, Monson, Me.	@		*Not sold.*	@ 25 00
Tiles, Am. ℔ M				6 00 @ 6 75
N. Peach Bottom, warranted unfading				
PAINTS. (*In oil,* ℔ *lb.*)				
White lead, Am.	7 @ 7½	@ 7½	6½ @ 7	@ 7
" Zinc, "	5 @ 8½	@ 8	7 @ 10½	@ 7
Red lead, Am.,	6½ @ 7	@ 7½	6½ @ 7	@ 7
" Venetian	6 @ 10½	7 @ 12	1½ @ 2½	dry Eng. @ 8
" Vermilion	65 @ 70	72 @ 75 dry	63 @ 68	Eng. @ 66
Red Indian, Eng.	12 @ 20	12 @ 20	12 @ 20	6½ @ 7
Yellow Ochre	6 @ 15	7 @ 12	3 @ 15	dry Am. @ 1½
" Chrome	12 @ 20	18 @ 25	15 @ 25	@ 18
Green (chrome)	8 @ 13	8 @ 20	8 @ 20	@ 12
Green, Paris,	25 @ 40	25 @ 40	18 @ 35	" 20 @ 25
Black, lamp,	15 @ 25	15 @ 25	8 @ 30	@ 12
Blue, ultramarine	12 @ 18	18 @ 30	12 @ 35	@ 20
Oil, linseed, (raw) (℔ gal.)	60 @ 63	60 @ 61	57 @ 60	@ 58
" " boiled (℔ gal.)	63 @ 66	63 @ 64	60 @ 63	@ 61
Turpentine (℔ gal.)	40 @ 41	@ 48	51 @ 51	@ 50
Varnish, coach (℔ gal.)	@	1 50 @ 6 00	1 25 @ 2 00	@ 3 00
Shellac (℔ gal.)	@	2 50 @ 3 00	2 25 @ 4 00	@ 2 75
Putty ℔ lb.	2 @	2 @ 4	02 @ 02½	@ 2
Whiting ℔ cwt.	75 @ 1 00	1 @ 1½	1 @ 1½	@ 1
Paris white, (Eng.,) ℔ cwt.	1 30 @ 2 00	2 @ 3	1½ @ 2	@ 1½
Litharge, Am. ℔ cwt.	5½ @ 6	@ 7½	6½ @ 7	@ 7
Sienna (burnt) ℔ cwt.	14 @ 20	14 @ 20	4 @ 16	@ 14
Umber, " ℔ cwt.	14 @ 20	14 @ 20	2 @ 10	@ 12
HARDWARE.				
Nails: (*Per Cask.*) Spikes, (*wrought.*)	@ 2 85		2 75 @ 3 00	pr kg @ 2 25
10d. common	@ 2 60	@ 2 20	@ 2 35	@ 2 30
Shingle	@ 3 35	@ 2 30	@ 2 75	@ 2 60
Lath	@ 4 85	@ 3 5	@ 3 65	3 60 @ 4 75
Finishing nails according to size.)			Add .85 to $1.15	per ℔ 4 @ 6
(*For casing nails add 75c. per keg.*)			" .50 to .90	Add pr cask
Butts: 4" x 4" (℔ 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 (℔ pair.)	@ 65	@ 50	*Not sold.*	48 @ 50
Bronze metal	@ 1 90	plain 1 65	2 00 @ 3 25	@ 1 25
Brass (to cupboards)	@ 10	@ 10	@ 12	@ 1 00
Ebony				@ 35
Apple wood				37 @ 1 00
Knobs: (℔ *Set.*)				
Mineral, best	@ 8	@ 8	8 @ 10	@ 08
Lava	@ 50	@ 75	65 @ 80	*Not sold.*
Hematite	*Not sold*	17 @ 33	31 @ 40	25 @ 50
Porcelain	@ 30	@ 10	25 @ 30	@ 25
Glass, solid	*Not sold*	@ 50	*Not sold.*	1 00 @ 2 50
Glass, silvered	*Not sold*	88 @ 1 00	@ 1 50	1 75 @ 2 00
Bronze metal	75 @ 2 00	50 @ 3 00	50 @ 3 00	50 @ 3 50
Brass	1 00 @ 2 50	50 @ 3 00	1 00 @ 3 00	75 @ 1 25
Solder:		@	13 @ 16	13½ @ 16
Sheet Lead		@ 7¾	7	@ 6½
Lead Pipe		@ 7	6½	6 @ 6
Iron:				
I-Beams, up to and including 30 ft.	3 3-10 @ 3½	@ 3 1-10	@	@ 2 8-10
I-Beams, over 30 ft. ¼, ½, ¾ c. advance.	@		3.20 @ 3 70	@ 2 8-10
Channel-Beams	3 3-10 @ 3½	@ 3 1-10	" @ "	@ 2 8-10

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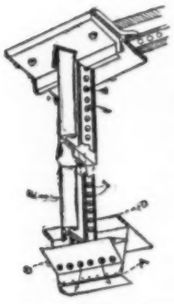

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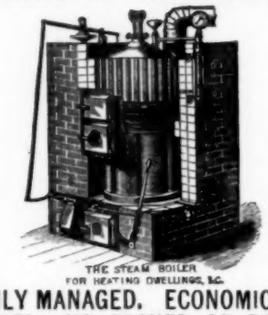

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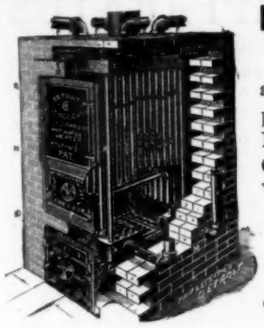

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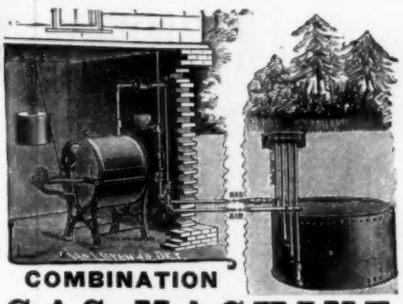

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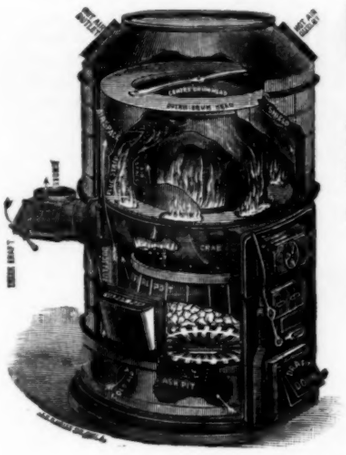

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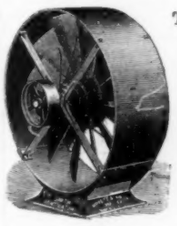

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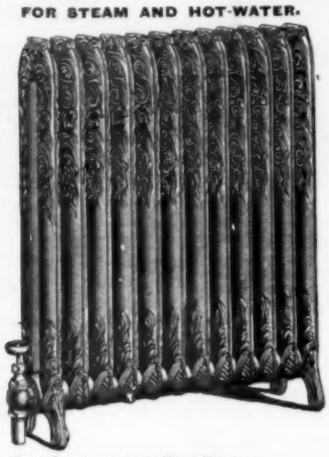

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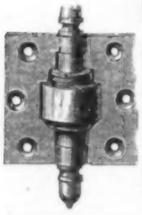

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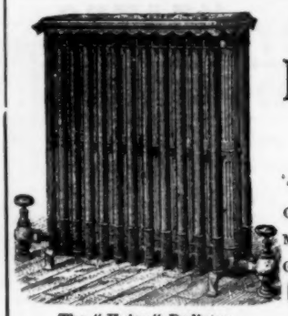

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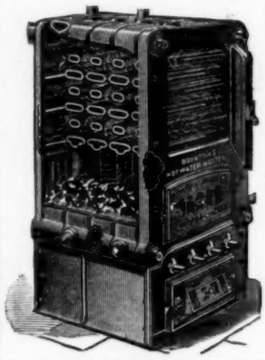

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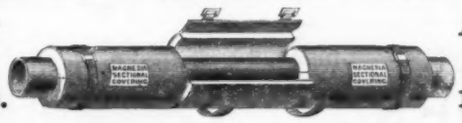

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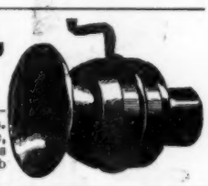

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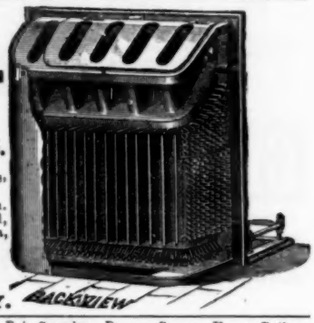

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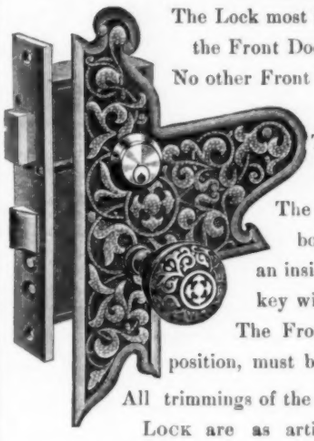

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BUILDING INTELLIGENCE.

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[*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.

East Jaffrey, N. H.— Addition to frame church for St. Patrick's Society; contracts to be let; architect, Chas. J. Bateman, Boston.

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APARTMENT-HOUSES.

Boston, Mass.—*Albany St.*, 3 three-st'y brick apartment-houses, each 25′ x 44′; owner, N. M. Jewett; contract to be let; architect, Chas. J. Bateman.

Sterling St., 4 three-st'y brick apartment-houses, each 25′ x 44′; owner, N. M. Jewett; contract to be let; architect, Chas. J. Bateman.

Jamaica Plain, Mass. — *South St.*, frame apartments, 26′ x 48′; cost, abt. $6,500; owner, M. J. Deveney; architect, Chas. J. Bateman, Boston.

CHURCHES.

Boston, Mass. — *Norfolk St.*, cor. Capen St., Ward 24, one-st'y frame church, pitch roof, 35′ x 55′, for Norfolk Unitarian Society; builders, Swanson & Murray.

Cheshire, N. H.— Frame mortuary chapel, slate roof, for St. Bridget's Society; contract to be let; architect, Chas. J. Bateman, Boston.

Dublin, N. H. — Frame church for Our Lady of Mt. Carmel Society; rustic-work construction; contract to be let; architect, Chas. J. Bateman, Boston.

Keene, N. H.—Brick church, granite trimmings, for Catholic Society; cost, abt. $30,000; architect, Chas. J. Bateman, Boston.

New York, N. Y. — *East Eighty-second St., No.* 323, synagogue for the Congregation Altereo Israels.

Providence, R. I. — *Smith St.*, brick chapel and study for Convent of Sacred Heart; builder, Murphy Bros.

HOUSES.

Ashmont, Mass. — *Beaumont St.*, cor. Carruth St., double frame dwell., 45′ x 66′; owner, F. D. Fairbanks; contract to be let; plans are being prepared; architect, W. Whitney Lewis, Boston.

Boston, Mass. — *Wadsworth St., No.* 4, Ward 25, frame dwell., 25.9′ x 31.6′; owner, H. W. Longfellow.

Pratt St., No. 54, Ward 25, frame dwell., 29′ x 34.6′; owner, H. W. Longfellow.

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East Lenox St., Nos. 25-35, Ward 20, 6 three-st'y brick dwells., flat roofs, 20′ x 34′; owner and builder, Timothy Connolly.

Albany St., Nos. 825-835, Ward 20, 6 three-st'y brick dwells., flat roofs, 20′ x 40′; owner, N. M. Jewett; builder, Timothy Connolly.

Glen Road, near White St., Ward 24, frame dwell., 32′ x 37′; owner, F. W. Staeder; builder, A. Dunlap.

Olney St., No. 59, Ward 24, frame dwell., 23′ x 31′; owner and builder, W. A. Davidson.

Wildwood St., near Morton St., Ward 24, frame dwell., 18′ x 47.4′; owner, Mrs. E. Hammond; builder, E. M. Chapman.

BUILDING INTELLIGENCE.

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Adams St., No. 848, Ward 24, frame dwell., 23′ x 34′; owner, D. D. Scott; builders, Chute Bros.

Wrentham St., near Dorchester Ave., Ward 24, frame dwell., 22′ x 35′; owner and builder, J. I. Stewart.

Arundel St., near Walter St., Ward 23, frame dwell., 28′ x 44.6′; owners, Annie and Mary Jenkins; builder, D. McDonald.

Wiggin St., near Beech St., Ward 23, frame dwell., 28′ x 28′; owner, F. J. Saeger; builders, Henning & Jellison.

Sycamore St., near Belfort St., Ward 24, three-st'y frame dwell., hip roof, 28.2′ x 52.6′; owner, Josephine W. Barnes; builder, W. A. Kent.

Mt. Everett St., near Quincy St., Ward 24, frame dwell., 24′ x 32′; owner, W. L. Terhune; builder, J. R. Oliver.

Boston St., Nos. 693 *and* 697, cor. Blake St., 2 three-st'y frame dwells., flat roofs, 25.6′ x 45′; owner, John O'Connor; builder, P. F. Hanlon.

Bourne St., near Spruce St., Ward 23, two frame dwells., 25.6′ x 31.2′ and 20′ x 35.10′; owner and builder, J. A. Finch.

Warren St., Nos. 633-637, Ward 21, 3 three-st'y brick dwells., flat roofs, each 20′ x 40′; owner, J. L. Simonds; builder, C. H. Beals.

Canterbury St., near Ashland St., Ward 23, frame dwell., 22′ x 36′; owner and builder, Edward Bryan.

Temple St., near Ivory St., Ward 23, frame dwell., 25′ x 35′; owner, H. F. Everett; builder, W. S. Mitchell.

Birch St., near Prospect St., Ward 23, frame dwell., 24′ x 30′; owner and builder, N. W. Colwell.

Heath St., cor. Shiller St., Ward 22, three-st'y frame dwell. and store, flat roof, 20′ x 36.6′; owner, Ellen Killion; builder, M. J. O'Brien.

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Humboldt Ave., cor. Homestead St., Ward 21, two-st'y frame dwell., hip roof, 43′ x 65′; owner, L. F. Morse; builder, C. H. Blodgett.

Dromey Ave., near Brookford St., Ward 20, three-st'y frame dwell., pitch roof, 21′ x 33′; owner, James Mulloy; builder, W. W. Dromey.

Whitten St., cor. Hampshire St., Ward 19, three-st'y frame dwell. and store, flat roof, 26.9′ x 30′; owner, Silas Pearce; builders, Cassidy & Davis.

Whitten St., Nos. 4-12, Ward 19, 5 three-st'y frame dwells., flat roofs, 25.9′ x 30′; owner, Silas Pearce; builders, Cassidy & Davis.

Market St., Nos. 54-56, Ward 25, 2 three-st'y frame dwells., flat roofs, 23′ x 42′; owner, Margaret Denoir; builder, Henry Leferbre.

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Dorchester Ave., No. 2167, Ward 24, three-st'y frame dwell., flat roof, 30′ x 55.9′; owner, Miss Catherine C. O'Connor; builder, G. A. Decker.

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Milton Ave., No. 39, Ward 24, frame dwell., 24.6′ x 35′; owner, Frank Cummins; builder, H. N. Wyman.

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Washington St., cor. Torrey St., Ward 24, 2 three-st'y frame dwells., flat roofs, 21.6′ x 43′; owner, Edward Clark; builder, John Bass.

Ashmont St., cor. Ashmont Pk., Ward 24, frame dwell., 26′ x 39′; owner, Mrs. G. Babcock; builder, G. Babcock.

Pomfret St., near Maple St., Ward 23, frame dwell., 30′ x 30′; owner, Jason S. Bailey; builder, J. Gilpatrick.

BUILDING INTELLIGENCE.

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Chelsea St., Nos. 111-113, Ward 2, 2 three-st'y frame dwells. and a store, flat roof, 23′ x 43′; owner, Robert Rausch; builder, Thomas Yeomans.

Barrington St., near Columbia St., Ward 24, 2 frame dwells., 18′ x 45.4′; owner, Neil McNeil; builders, McNeil Bros.

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Westcott St., near Talbot Ave., Ward 24, frame dwell., 27′ x 35′; owner, A. A. Westcott; builders, Shepard & Russell.

Catawba St., No. 50, Ward 21, three-st'y frame dwell., flat roof, 22.6′ x 44′; owner, Alfred Blick; builder, P. Schneider.

Clifton Park, near Clifton St., Ward 20, three-st'y frame dwell., pitch roof, 25′ x 43′; owner, Michael Mitchell; builder, Valentine Bock.

Hutchins Ave., near Day St., Ward 22, frame dwell., 25′ x 31′; owner, Mrs. E. H. Butler; builder, John Savage.

Brewer St., near Thomas St., Ward 23, frame dwell., 28′ x 44′; owner, A. B. Clough; builder, Dawson Johnson.

Cambridge, Mass. — *Dana St.*, cor. Harvard St., frame dwell., 42′ x 53′; owner, O. H. Durrell; builder, W. Filmore; new set of plans; architects, Hartwell & Richardson, Boston.

Jamaica Plain, Mass. — *Caroline Ave.*, cor. South St., frame dwell., 35′ x 37′; owner, Michael J. Deveney; contract to be let; architect, Charles J. Bateman, Boston.

Philadelphia, Pa. — *Broad St.*, e s, s Dauphin St., 15 three-st'y dwells.; owner, C. C. Moore, 2001 North Broad St.

Willow Grove Ave., w s, s Twenty-seventh St., 2 three-st'y dwells.; owner, Lydia H. Partenheimer, Main St., Chestnut Hill.

Cayuga St., s s, w Germantown Ave., 17 two-st'y dwells.; contractor, Jas. Mole, 1722 Cayuga St.

Denny St., n s, w Germantown Ave., two-st'y dwell.; contractor, Jas. Mole, 1722 Cayuga St.

Westmoreland St., n and s s, e Thirty-fifth St., dwell.; owner, John Dobson, Thirty-third St. and Allegheny Ave.

Oakland Ave., n s, w Fifteenth St., 28 two-st'y dwells.; owner, Wm. C. Carman, 1546 North Twelfth St.

Jannette St., w s, n Freedland Ave., 4 three-st'y dwells.; owner, A. A. Harmer, Freedland Ave.

Lyceum Ave., n s, w Fleming St., 2 three-st'y dwells.; contractors, Duncan & Shaw, 201 Green Lane.

Forty-third St., e s, n Wyalusing Ave., 10 two-st'y dwells.; contractor, Charles Bateson, 4631 Lancaster Ave.

Powelton Ave., n s, w Forty-second St., 9 three-st'y dwells.; contractor, W. Bunch, Jr., 422 North Forty-first St.

Fifth St., w s, s Luzerne St., 2 two-st'y dwells.; owner, John Miller, 3944 North Fifth St.

Spruce St., No. 1925, four-st'y dwell.; contractor, John Duncan, 905 Chant St.

Tower St., w s, bet. Penn and Cedar Sts., two-st'y dwell.; owner, Edward Hughes, 4516 Baker St.

Chestnut St., No. 1618, three-st'y dwell. and two-st'y stable; contractors, Wm. Devitt & Son, 1125 Brown St.

Twelfth St., e s, s Tasker St., 2 two-st'y dwells.; contractor, J. H. Hutchinson, 1130 South Thirteenth St.

Spruce St., n s, w Thirty-seventh St., three-st'y dwell.; owners, Samuel McClellan & Son, 223 Vaughn St.

Forty-seventh St., w s, n Paschall Ave., 4 two-st'y dwells.; contractor, Wm. J. Scott, 1745 Dorrance St.

Oxford Pike, e s, n Bleigh St., 2 three-st'y dwells.; contractor, J. E. Mattis, Foxchase.

Gillingham St., n s, e Jefferson St., two-st'y dwell.; contractor, Chas. Roth, 408 West Huntingdon St.

Howell St., s s, e Torresdale, three-st'y dwell.; owner, H. P. Castor, Torresdale.

Wisteria Ave., e s, n Miller St., 4 two-st'y dwells.; contractor, James Hillyer, 56 Mechlin St.

Herman St., n s, e Germantown Ave., 4 two-st'y dwells.; owner, W. J. Grueier, 46 Herman St.

Twenty-first St., n w cor. Mountain St., 2 two-st'y dwells.; owner, Wm. Henderson, 1930 Ellsworth St.

Mountain St., n s, w Twenty-first St., 18 two-st'y dwells.; owner, Wm. Henderson, 1930 Ellsworth St.

Daly St., n and s s, e Thirteenth St., 8 two-st'y dwells.; owner, Samuel Chestnut, 1247 South Seventeenth St.

Dickinson St., s s, e Second St., two-st'y dwell.; contractors, Fitzgerald & Bradley, 33 South Tenth St.

North Thirteenth St., No. 231, three-st'y dwell.; contractors, Jos. Miller & Bro., 557 Chatham St.

Plumb St., No. 1220, two-st'y dwell.; contractor, Chas. Dentz, 2822 Warnock St.

Frankford Ave., No. 2323, three-st'y dwell.; contractors, Lukings & Rhoads, Funk St., ab. Comly St.

Markoe St., e s, n Westminster Ave., 14 two-st'y dwells.; owner, Jas. J. Allen, 708 South Fifteenth St.

Hagerman St., e s, n Comly St., two-st'y dwell.; contractors, Lukings & Rhoads, Funk St., ab. Comly St.

Providence, R. I. — *Jackson St.*, frame dwell.; owner, Dr. C. H. O'Leary; builder, Sprague & Co.

Arlington Ave., frame dwell.; owner, Annie F. Shaw; builder, H. W. Goff; architect, James Shaw, Jr.

John and Hope Sts., frame dwell.; cost, $6,000; owners, Mary A. and Philip B. Dunfee.

Mawney St., frame dwell.; owners, Spencer B. Hopkins and wife.

Broadway, frame dwell.; cost, $8,000; owners, Jane and Isabella Densnap; builder, John Davidson.

Davis St., frame dwell.; owner, John L. Clark; cost, $4,000.

Point St., frame dwell.; owner, Patrick Lynch.

Armington Ave., frame dwell.; owner, David Crankshaw; builder, A. C. J. Learned.

Baker Ave., frame dwell.; owner, Bates Bros.; builders, Stuart & Andrews; architects, Gould & Angell.

Burnside St., frame dwell.; owner, James H. Canning.

Melrose St., frame dwell.; owner, Annie V. Hueston.

Taunton, Mass. — *Dean and Ashland Sts.*, frame dwell., 30′ x 54′; owner and builder, F. D. Williams; architects, Hartwell & Richardson, Boston.

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$50,000; owner, A. Corning Clark, Cooperstown, N. Y.; architect, Geo. H. Griebel, 229 West One Hundred and Twenty-fourth St.

PUBLIC BUILDINGS.

New York, N. Y.—*Sixty-eighth St.*, s s, 100′ e Tenth Ave., five-st'y brick police station, tin roof; cost, $60,000; owner, City of New York; architect, A. D. Bush, 300 Mulberry St.

SCHOOL-HOUSES.

Boston, Mass.— *Verbena St.* (Charlestown District), three-st'y brick and stone school-house, 75.4′ x 119.4′; cost, abt. $75,000; builders: P. P. Kelley, carpenter; Fessenden & Libby, masons; other contracts to be let; Chas. J. Bateman, architect, Boston.

Malden, Mass. — *Highland Ave. and Charles St.*, brick and stone school-house, 85′ x 150′; gymnasium, lecture-room and stage for theatricals; cost, abt. $75,000; contracts above foundation to be let; architect, Charles J. Bateman, Boston.

STABLES.

Boston, Mass.—*Roslin St.*, near Ocean St., Ward 24, frame stable, 30′ x 36′; owner, Harriet M. Babbitt; builder, J. McDowell.

Sutherland Road, rear, cor. Lanark Road, Ward 25, one-st'y frame stable, pitch roof, 29′ x 51′; owner, Mrs. L. B. Kelley.

STORES.

Boston, Mass.—*Tufts St., Essex Pl. and Lincoln St.*, Ward 10, one-st'y brick store, 25.6′ x 100′; owners, United States Hotel Co.; builder, J. G. Scott.

Brooklyn, N. Y.—*Harrison St.*, s s, 100′ 2 8-10″ from Van Brunt St., four-st'y brick store and dwell., tin roof; cost, $8,000; owner, Edward Warren, 172 Warren St.; architects, Young Bros., 129 Forty-third St.

Chicago, Ill.—Scandinavian Workingmen's Association, four-st'y store and flats, 99-100 West Ohio St.; cost, $35,000.

BUILDING INTELLIGENCE.

New York, N. Y. — *Prince St., No.* 136, six-st'y brick store, tin roof; cost, $40,000; owner, John C. Wallace, 148 East Fifty-second St.; architect, Oswald Wirz, 153 Fourth Ave.

WAREHOUSES.

New York, N. Y. — *Wooster St., Nos.* 102-106, five-st'y brick and terra-cotta warehouse; owner, D. G. Einstein; architects, De Lemos & Cordes.

TENEMENT-HOUSES.

Providence, R. I.— *Howard St.*, tenement house; owner, Nicholas Moulter; builder, J. B. LeClerc & Co.

BUILDING INTELLIGENCE.

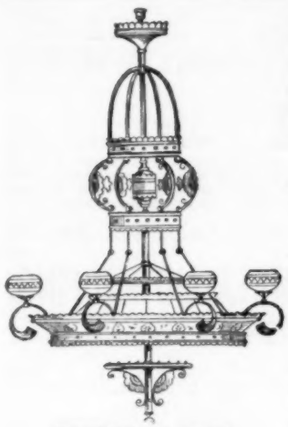
Tefft and Spruce Sts., tenement house and store; owner, Michael Lafrance; builder, Wm. Remington; architects, Gould and Angell.

MISCELLANEOUS.

Boston, Mass. — *Wilton St.*, near Cambridge St., Ward 25, two-st'y brick boiler-house, pitch roof, 20′ x 40′; owner and builder, Samuel Hano.

Philadelphia, Pa.—*Poplar St., No.* 1624, three-st'y back building; contractors, Ketcham & Son, 1029 Brown St.

Sixteenth St., e s, n Washington Ave., one-st'y toll-house; owners, P. W. & B. R. R. Co., Broad and Carpenter Sts.



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South Twenty-first St., No. 250, three-st'y back building; contractor, John Duncan, 905 Chant St.

South Tenth St., No. 1635, two-st'y back building; owners, O'Neill & Klein, 1635 South Tenth St.

Hancock St., No. 2328, two-st'y back building; contractors, Arthur & Husband, 2373 Aramingo St.

Cedar St., No. 152, two-st'y back building, owner, John Berger, 152 Cedar St., Manayunk.

PROPOSALS.

July 24, 1890. 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 7th day of August, 1890, for all the labor and materials required to complete the plumbing for the United States Court-house and Post-office at Charlotte, N. C., in accordance with the drawings and specification. Each bid must be accompanied by a certified check for $100. The Department will reject all bids received after the time fixed for opening the same; also, bids which do not comply strictly with all the requirements of this invitation. Proposals must be sealed and endorsed "Proposal for Plumbing for the United States Court-house and Post-office at Charlotte, N. C.," and addressed to JAS. H. WINDRIM, Supervising Architect. 763

July 15, 1890. 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 August, 1890, for all the labor and materials required for the extension of the U. S. Post Office, etc., building at Houston, Texas, 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 $100. The Department will reject all bids received after the time fixed for opening the same; also, bids which do not comply strictly with all the requirements of this invitation. Proposals must be sealed and endorsed "Proposal for the Extension of the U. S. Post-Office, etc., building at Houston, Texas," and addressed to JAS. H. WINDRIM, Supervising Architect. 762

July 16, 1890. 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 August, 1890, for furnishing all labor and material required for the erection and completion of the U. S. Court-House and Post-Office building at Monroe, La. (except heating apparatus) including approaches, outhouse, etc., in accordance with 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 $500. The Department will reject all bids received after the time fixed for opening the same; also, all bids which do not comply strictly with the requirements of this invitation. Proposals must be sealed and endorsed "Proposal for the Erection and Completion of the U. S. Court-House and Post-Office building at Monroe, La., and addressed to JAMES H. WINDRIM, Supervising Architect. 762

PROPOSALS.

COURT-HOUSE. [At Tacoma, Wash.]

Sealed proposals will be received at the office of the undersigned until **12 o'clock, noon, on the 28th**

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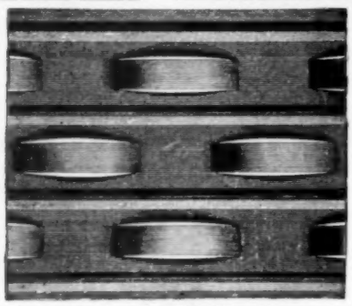

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day of August, 1890, for the several works required in the erection and completion of a stone and brick Court-House for Pierce County, State of Washington, to be built in the city of Tacoma.

Plans and specifications may be seen on and after the 28th day of July, 1890.

A certified check of the value of eight per cent of bid must accompany each bid as a guaranty that the bidder will enter into a contract if his bid is accepted.

A satisfactory bond will be required of the successful bidder.

The right to reject any and all proposals is reserved.

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[Near Lewes, Delaware.]
UNITED STATES ENGINEER OFFICE,
1428 ARCH STREET,
PHILADELPHIA, PA., July 16, 1890.

Sealed proposals, in duplicate, will be received at this office **until** 11 A. M. **Friday, August 15, 1890,** and then opened, for repairs to the United States iron pier in Delaware Bay, near Lewes, Delaware.

The attention of bidders is invited to the Acts of Congress approved February 26, 1885, and February 23, 1887, Vol. 23, page 332, and Vol. 24, page 414, Statutes at Large.

For all information apply to
C. W. RAYMOND,
763 Major of Engineers, U. S. Army.

GAS AND ELECTRIC-LIGHT FIXTURES.
TREASURY DEPARTMENT,
WASHINGTON, D. C., July 22, 1890.

Sealed proposals will be received at this Department **until 2 o'clock P. M. Tuesday, August 5, 1890,** for manufacturing and placing in position in complete working order in the United States buildings in the cities hereinafter named combination gas and electric-light fixtures, viz.: Augusta, Ga.; Binghamton, N. Y.; Manchester, N. H.; Montpelier, Vt., and Springfield, Mass.

Specifications, drawings and blank forms of proposals will be furnished upon application to the Department.

The right to reject any and all bids and to waive defects is reserved.

Part bids on any one building will not be considered.

Proposals should be addressed to the Secretary of the Treasury and indorsed "Proposals for Gas-Fixtures, Augusta, Ga., etc."

Acceptance of proposals is dependent upon appropriation by Congress. W. WINDOM,
762 Secretary.

LUMBER, ETC.
[The League Island Navy Yard.]
July 19, 1890.

Sealed proposals, endorsed "Proposals for Lumber, etc., for the League Island Navy Yard, to be opened August 12, 1890," will be received at the Bureau of Provisions and Clothing, Navy Department, Washington, D. C., **until 12 o'clock, noon, August 12, 1890,** and publicly opened immediately thereafter, to furnish at the League Island Navy Yard a quantity of material, consisting of bolts, yellow pine, spruce piles, etc.

Continued on page xix.)

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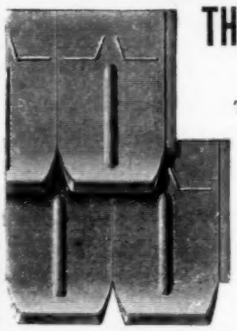

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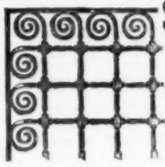
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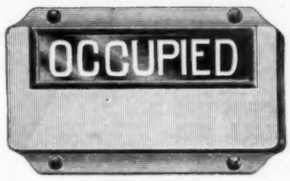

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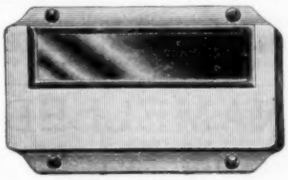
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The articles must in all cases conform to the Navy standard and pass the usual naval inspection.

Blank proposals will be furnished upon application to the commandant of the Navy Yard, the Navy Pay Office, Philadelphia, or to the Bureau.

Tie-bids, all other things being equal, decided by lot.

The Department reserves the right to waive defects or to reject any or all bids not deemed advantageous to the Government.

EDWIN STEWART,
764 Paymaster-General, U. S. Navy.

SEWER. [At Boston, Mass.]

Sealed bids for Building Sections 8 and 9 of the Metropolitan Sewerage System (East Boston) and Sections C and D (Brighton), all in the city of Boston, in accordance with the form of contract and specifications to be furnished by the Board of Metropolitan Sewerage Commissioners, will be received by said Board at its office, 93 Lincoln Street, Boston, Mass., **until 12 o'clock M. of Wednesday, August 13, 1890.**

No bid will be received unless accompanied by a certified check for the sum of one thousand dollars.

All bids must be made upon the blank forms furnished by the Board.

The external diameter of the sewer on Sections 8 and 9 is from eleven to fifteen feet, and on Sections C and D is from six and one-half to nine feet. Some other particulars are approximately as follows:

Sec.	Length. Feet.	Av. depth. Feet.	Cub. yds. brick masonry.	Cub. yds. concrete masonry.	No. piles.
8.....	4,100	15	1,800	4,900	40
9.....	3,700	14	2,000	4,000	40
C.....	5,800	15	1,500	2,600	1,000
D....	5,400	16.5	1,600	2,400	100

PROPOSALS.

Plans can be seen, and specifications and form of contract can be obtained, at the above office.

Each bidder is required to make a statement indicating what sewer and similar work he has done, and to give references that will enable the Board to judge of his business standing.

The Board reserves the right to reject any and all bids.

HOSEA KINGMAN,
TILLY HAYNES,
ROBERT T. DAVIS,
Board of Metropolitan Sewerage Commissioners of Massachusetts.

HOWARD A. CARSON,
763 Chief Engineer.

PLASTERING AND STUCCO WORK. [At Boston, Mass.]

BOSTON, MASS., July 25, 1890.

Sealed proposals will be received by the Commissioners for the erection of a new Court-house for Suffolk County **until Saturday, August 9, at 12 o'clock** M., for doing the plaster and stucco work required in the main building of the new Court-house.

Plans and specifications can be examined at the office of the architect, Pemberton Square.

The right to reject any or all proposals is reserved.

S. B. STEBBINS,
THOMAS J. WHIDDEN,
GODFREY MORSE,
762 Commissioners.

July 26, 1890. 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 19th day of August, 1890, for supplying and delivering at freight-depot at place of designation, the Post-office lock-boxes, lock-drawers, locks, pulls plates, etc., for United States public buildings, as may be ordered during the fiscal year ending June 30, 1891. Copies of the specification and all additional information may be had on application at this office. Each bid must be accompanied by a certified check for $100. The Department reserves the right to reject all bids received after the time fixed for opening the same; also, bids which do not comply strictly with all the requirements of this invitation. Proposals must be sealed and endorsed "Proposal for Lock-boxes, Lock-drawers, Locks, Pulls, Plates, etc., for United States Post-offices," and addressed to JAS. H. WINDRIM, Supervising Architect.
763

July 19, 1890. 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 15th day of August, 1890, for all the labor and material required for the excavation, concrete foundations, stone and brick work of the basement and area walls of 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 $200. The Department will reject all bids received after the time fixed for opening the same; also, bids that do not comply strictly with all the requirements of this invitation. Proposals must be sealed and endorsed "Proposal for Stone and Brick Work, etc., for Basement and Area Walls of United States Custom-House and Post-Office at Eastport, Me.," and addressed to JAS. H. WINDRIM, Supervising Architect. 762

July 22, 1890. 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 August, 1890, for all the labor and materials required for the approaches to the United States Post-Office, Custom-House, etc., building at Wilmington, N. C., in accordance with the drawing 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 $200. The Department will reject all bids received after the time fixed for opening the same; also, bids which do not comply strictly with all the requirements of this invitation. Proposals must be sealed and endorsed "Proposal for the Approaches to the United States Post-Office, Custom-House, etc., building at Wilmington, N. C.," and addressed to JAS. H. WINDRIM, Supervising Architect. 762

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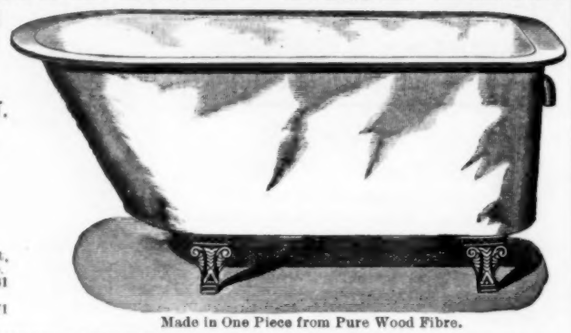

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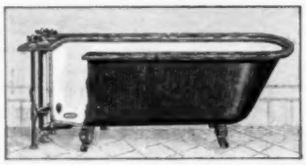

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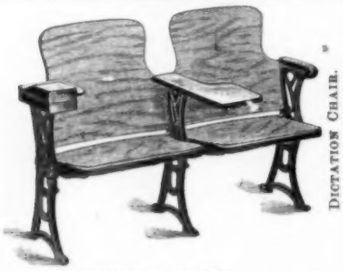

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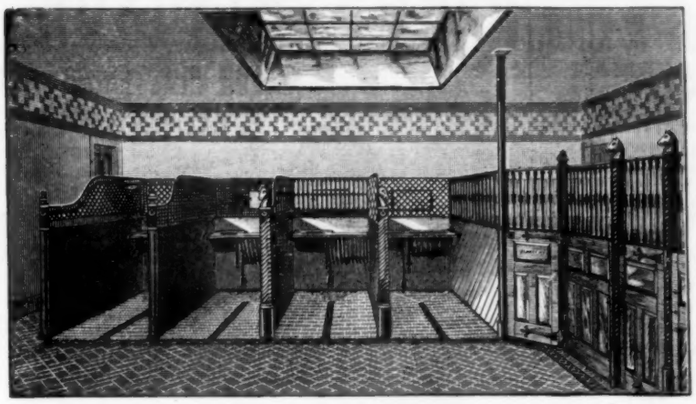

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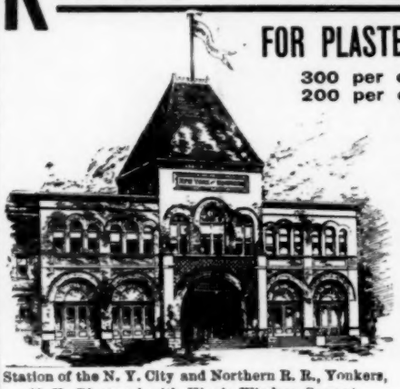

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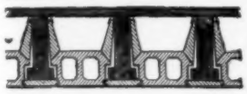

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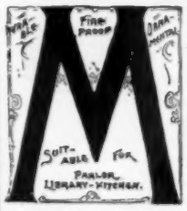

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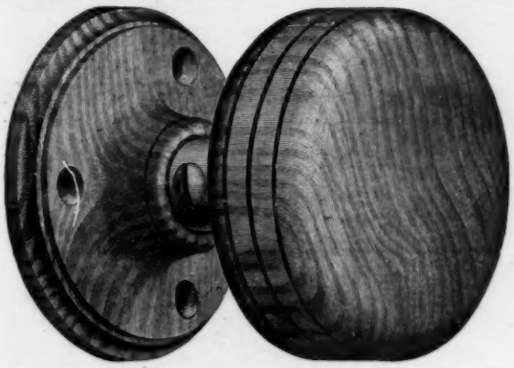

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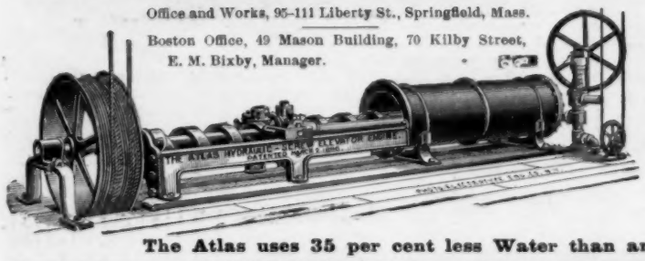

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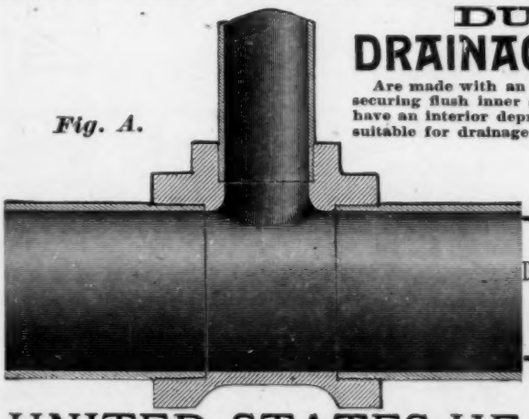

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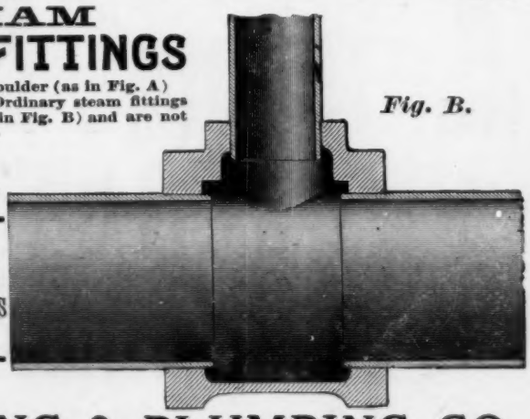
Fig. B.



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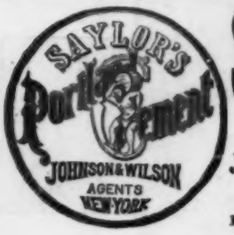

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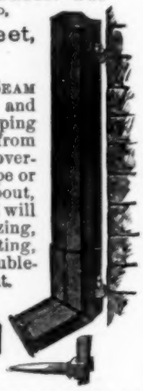

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BUILDING MATERIALS.	New York. (Wholesale Prices.)	Boston. (Price to Builders and Contractors.)	Chicago.	Philadelphia.
LUMBER.—₱ M.				
Boards: (*Ordinary dimensions.*)				
Pine, 1st quality, clear	65 00 @ 75 00	50 00 @ 60 00	30 00 @ 47 00	48 00 @ 55 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	@ 25 00	13 00 @ 25 00	*Not sold.*	16 00 @ 20 00
Hemlock	ea 13½ @ 14	13 00 @ 15 00	@ 12 00	11 25 @ 13 50
Yellow pine	20 @ 40	25 00 @ 35 00	29 00 @ 37 00	14 00 @ 29 00
Cypress	@	32 00 @ 40 00	@	@ 35 00
Clapboards:				
Pine	@	40 00 @ 60 00	10 00 @ 22 00	14 00 @ 25 00
Spruce	@	25 00 @ 45 00	*Not sold.*	*Not Sold.*
Framing Timber:				
Pine			12 00 @ 15 00	25 00 @ 37 30
Spruce	14 00 @ 18 00	15 50 @ 20 00	*Not sold.*	16 00 @ 18 00
Hemlock	12 00 @ 16 00	14 00 @ 16 00	10 00 @ 13 00	13 00 @ 17 00
Yellow pine	18 00 @ 21 00	24 00 @ 35 00		22 00 @ 28 00
Laths:				
Pine	@	2 25 @ 2 35	2 10 @ 2 25	2 75 @ 3 00
Spruce	2 30 @ 2 40	2 25 @ 2 50	*Not sold.*	2 30 @ 3 00
Shingles:				
Pine, shaved ₱ 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 ₱ 125	1 40 @ 1 60	3 75 @ 4 00	6 00 @ 7 50	
Cedar, split ₱ M	@	@	*Not sold.*	30" $35 @ 40; 24" 8 @ 21; 20" 35 @ 14
Cedar, sawed "	@	2 00 @ 4 00	2 00 @ 2 35	
Cypress. Split....7 x 24. "	18 00 @ 20 00	5 00 @ 6 00	3 50 @ 4 00	11 00 @ 14 00
Miscellaneous:				
Piles ₱ ft	4½ @ 5½	Piles 6c. ₱ 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 "	@	25 @ 50	*Not sold.*	20 @ 30
Finishing Woods: ₱ M. (*First Qual.* [*Kiln dried.*)				
Ash	@ 55 00	45 00 @ 60 00	30 00 @ 40 00	30 00 40 00
Cherry	80 00 @ 120 00	85 00 @ 120 00	80 00 @ 100 00	80 00 @ 100 00
Butternut	40 00 @ 60 00	60 00 @ 70 00	50 00 @ 60 00	70 00 @ 80 00
Hard-pine floors (rift)		50 00 @ 60 00		
Mahogany, Baywood [Mexican]	@ 180 00	150 00 @ 160 00	150 00 @ 200 00	150 00 @ 250 00
" St. Domingo	@ 350 00	120 00 @ 350 00	200 00 @ 250 00	200 00 @ 400 00
Maple	45 00 @ 50 00	45 00 @ 50 00	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 @ 80 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 ₱ ft	@ 6	32 00 @ 35 00	@ 7	
Spruce floors (clear, kiln-dried)				
Walnut, black	125 00 @ 150 00	85 00 @ 120 00	55 00 @ 100 00	50 00 @ 170
Whitewood	45 00 @ 50 00	40 00 @ 45 00	18 00 @ 40 00	25 00 @ 40 00
Yellow pine ₱ M	@ 45 00	40 00 @ 42 00	29 00 @ 40 00	27 50 @ 45 00

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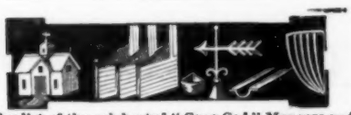

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BUILDING MATERIALS.

Reported for the American Architect and Building News.

BRICK. — ₩ M.	New York. (Wholesale Prices.)	Boston. (Prices to Builders and Contractors.)	Chicago.	Philadelphia.
Common: *Cargo afloat.*				
Pale	2 50 @ 3 25	Eastern 9 00 @ 10 00	Building Brick @ 6 50	Sq. Hard @ 12
Jersey	4 00 @ 5 50			" @ 9 00
Long Island	5 50 @ 6 00	Bay State Hard 9 00 @ 10 00		Salmon " 6 50
Up River	4 50 @ 5 50			Sq. " @ 9 00
Haverstraw Bay 2nd	5 00 @ 5 50	Domestic Com. 9 50 @ 10 00	Indiana Pressed 14 00 @ 20 00	Light Stretchers @ 12 00
" 1st	5 75 @ 6 25		St. Louis Fronts @ 27 00	Medium " @ 14 00
Hollow	@ 13 00	Domestic Face 20 00 @ 22 00		
Fronts				
Croton, Brown	14 00 @ 15 00	Philadelphia 40 00 @ 45 00		Red " @ 15 00
" dark	15 00 @ 16 00			
" red	15 00 @ 16 00	Phila. mould 50 00 @ 80 00		Dark " @ 15 00
Chicago pressed (Anderson)			15 00 @ 27 00	Pressed 22 00 @ 26 00
Chicago Moulded			65 00 @ 350 00	
Baltimore	7 00 @ 41 00	Anderson 14 00 @ 32 00	@ 55 00	Best Paving @ 16 00
Philadelphia	@ 22 00		45 00 @ 50 00	
Trenton	@ 22 00		45 00 @	Second " @ 14 00
Milwaukee			25 00 @	
Moulded:			60 00 @ 100 00	Third " @ 13 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.*				
Enamelled (edge.)	85 00 @ 100 00		@ 100 00	Dom. @ 65
Enamelled (edge and end)	90 00 @ 115 00		@ 120 00	@ 85
CEMENT, LIME, etc.—(₩ cask.)				
Rosendale Cement	90 @ 1 10	1 20 @ 1 40	*Not Sold.*	1 30 @ 50
Louisville "		Brooks, S. & Co	1 05 @ 1 20	B & S.E. 275 @ 300
Utica, Akron, Buffalo, Milw'kee.	*Not sold.*	2 60 @ 3 00	1 60 @ 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
" " (Burham)	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
" 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
" " (Vorwohler)	2 50 @ 2 90	Cleopatra @	@	Josson
" " (Lagerdofer)	@	2 55 @ 3 00	2 75 @ 3 00	2 50 @ 2 75
" " (Dyckerhoff)	2 90 @ 3 25	3 00 @ 3 50	3 25 @ 3 50	3 00 @ 3 25
" " (Hanover)	2 50 @ 3 00		*Not Sold.*	2 75 @ 2 85
" " Stettin, (Anchor)	2 35 @ 2 85	2 15 @ 2 50	*Not Sold.*	
" American (Saylor's)	2 15 @ 2 45	@ 3 00	2 75 @ 3 00	2 50 @ 2 75
Roman	2 75 @ 3 00	@ 6 00	2 75 @ 3 25	3 00 @ 3 50
Keene's coarse	5 75 @ 6 50	@ 11 50	6 00 @ 7 00	6 50 @ 7 00
" superfine	9 25 @ 10 25		9 @ 10 50	8 00 @ 9 00
Lime:				
Lime of Tell	3 50 @ 4 00	@ 1 35	*Not sold.*	White Lime
Hydraulic Lime	@ 1 45	St. John 1 00	55 @	25 @ 30 ₩ bush
Chicago Lime in bulk			60 @	White Mass
Wisconsin "	@ 1 00	@ 1 05	*Not sold.*	1 25 @ 1 50
Rockland and Rockport, (Com.)	@ 1 20	@ 1 10	*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 10	*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
" (casting)	12 @ 15	25 @ 30	20 @ 25	20 @ 25
Hair (Cattle) ₩ bush	22 @ 25	@ 30	30 @ 35	30 @ 35
" (Goat)	1 00 @ 1 25	1 75 @ 1 90	@ 60	@ 1 50
Sand, ₩ load				
STONE. (₩ cubic foot, rough.)				
Granite: (Maine)	45 @ 1 25	@ 60		55 @ 65
Limestone:	@ 1 00	95 @ 1 00		
Bedford	@		50 @	75 @ 90
Joliet	@		35 @ 55	Richmond
Lemont	@		35 @ 60	75 @ 1 50
Serpentine		10 50 per ton.	@ 1 00	4 50 ₩ Perch

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The Michigan Adamant Plaster Co., 39 North Division St., Grand Rapids, Mich.
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BUILDING MATERIALS.

BUILDING MATERIALS.	New York. (*Wholesale Prices.*)	Boston. (*Prices to Builders and Contractors.*)	Chicago.	Philadelphia.
Mortar Colors.				
Black, brown, buff ₱ lb	⅛ @ 12½			
Colorific ₱ lb	@ 2½			
Red	@ 3			
White ₱ bbl	@ 1 75			
Foundation:				
Dimension	@	5 00 ₱ ton	20@	@ 5 00
Block	@	4 60 ₱ perch		Conshocken
Rubble	@	1 25 @ 1 50	8 50 @	1 45 @ 2 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		95 @ 1 16
Kibbe	@ 90	90 @ 1 10		
Brown (Connecticut)	1 00 @	1 25 @ 1 45	1 50 ₱ cub. ft.	1 05 @ 1 35
Amherst (Ohio)	90 @ 95	90 @ 1 00	45 @ 50	
Berea (Ohio)	75 @ 1 00	85 @ 90	45 @ 55	55 @ 1 00
Berlin (Ohio)	75 @ 1 00	80 @ 90	55 @ 65	
Belleville	80 @ 1 25	1 25 @ 1 35	@ 1 25	1 10 @ 1
New Brunswick (Dorchester)	@ 1 00	75 @ 90	"	1 00 @ 1
Caen	@	@ 2 00	"	1 25 @ 1
Carlisle. English	@ 1 05	@ 1 05		95 @ 1
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	350 @ 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	7 50 @ 10 25
" black, Lehigh	4 25 @ 4 75	@	6 25 @ 5 85	3 25 @ 4 00
" " Chapmans	— —	@	7 30 @ 8 00	4 00 @ 4 65
" Unfading Black, Monson, Me.	5 50 @ 8 00	5 50 @ 8 0	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 @ 7½	@ 7½	6½ @ 7	@ 7
" Zinc, "	5 @ 8½	@ 8	7 @ 10½	@ 7
Red lead, Am.,	6½ @ 7	@ 7½	6½ @ 7	@ 7
" Venetian	6 @ 10½	7 @ 12	1½ @ 2½	dry Eng. @ 8
" Vermilion	65 @ 70	72 @ 75 dry	65 @ 68	Eng. @ 66
Red Indian, Eng.	12 @ 20	12 @ 20	12 @ 20	6½ @ 7
Yellow Ochre	6 @ 12	7 @ 12	3 @ 15	dry Am. @ 1½
" Chrome	12 @ 20	18 @ 25	15 @ 25	@ 18
Green (chrome)	8 @ 13	8 @ 20	8 @ 20	@ 12
Green, Paris,	25 @ 40	25 @ 40	18 @ 35	" 20 @ 25
Black, lamp,	15 @ 25	15 @ 25	8 @ 30	@ 12
Blue, ultramarine	12 @ 18	18 @ 30	12 @ 35	@ 20
Oil, linseed, (raw) (₱ gal.)	59 @ 62	60 @ 61	57 @ 60	@ 58
" " boiled (₱ gal.)	62 @ 65	63 @ 64	60 @ 63	@ 61
Turpentine (₱ gal.)	41 @ 42	@ 48	51 @ 51	@ 50
Varnish, coach (₱ gal.)	@	1 50 @ 6 00	1 25 @ 2 00	@ 3 00
Shellac (₱ gal.)	@	2 50 @ 3 00	2 25 @ 4 00	@ 2 75
Putty (₱ lb.)	2 @	2 @ 4	02½ @ 02½	@ 2
Whiting (dry)	75 @ 1 00	1 @ 1½	1 @ 1½	@ 1
Paris white, (Eng.) (dry)	1 30 @ 2 00	2 @ 3	1½ @ 2	@ 1½
Litharge, Am. (dry)	5½ @ 6	@ 7½	6½ @ 7	@ 7
Sienna (burnt) (dry)	14 @ 20	14 @ 20	4 @ 16	@ 14
Umber, " (dry)	14 @ 20	14 @ 20	2 @ 10	@ 12
HARDWARE.				
Nails: (*Per Cask.*) Spikes, (*wrought.*)	@ 2 85		2 75 @ 3 00	pr kg @ 2 25
10d. common	@ 2 60	@ 2 20	@ 2 35	@ 2 30
Shingle	@ 3 35	@ 2 30	@ 2 75	@ 2 60
Lath	@ 4 85	@ 3 5	@ 3 65	3 60 @ 4 75
Finishing nails according to size.)			Add .85 to $1.15	per lb 4 @ 6
(*For casing nails add 75c. per keg.*)			" .50 to .90	Add pr cask
Butts: 4" x 4" (₱ 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 (₱ pair.)	@ 65	@ 50	*Not sold.*	48 @ 50
Bronze metal	@ 1 90	plain 1 65	2 00 @ 3 25	@ 1 25
Brass (on cupboards)	@ 10	@ 10	@ 12	@ 1 00
Ebony				@ 35
Apple wood				37 @ 1 00
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Solder:		@	13 @ 16	13½ @ 16
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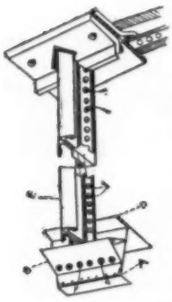

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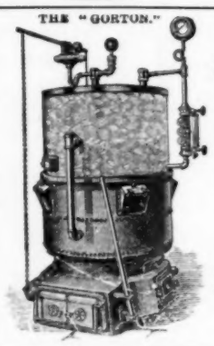

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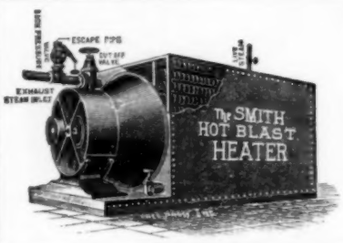

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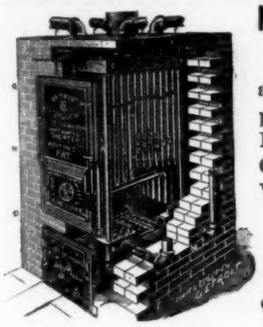

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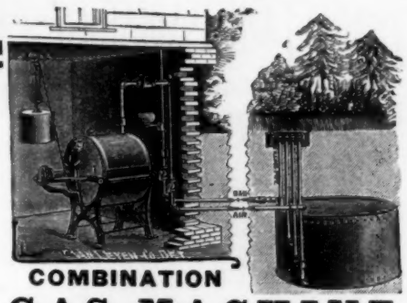

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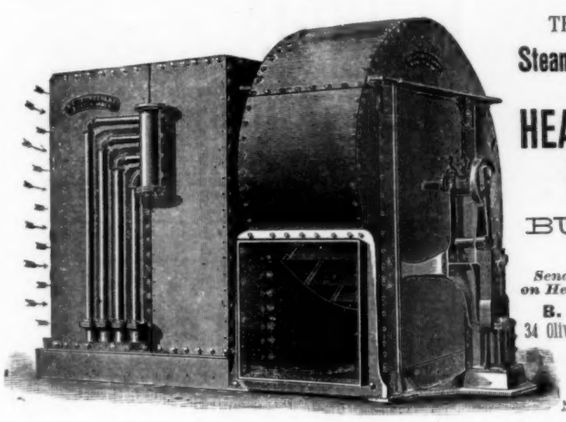

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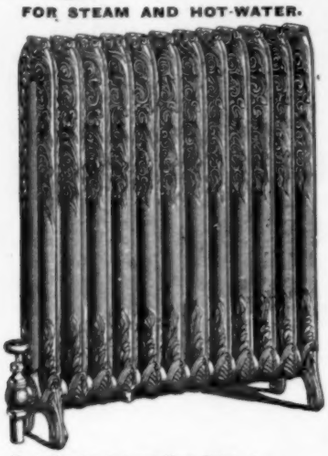

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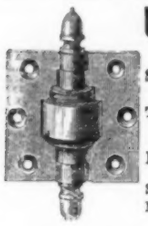

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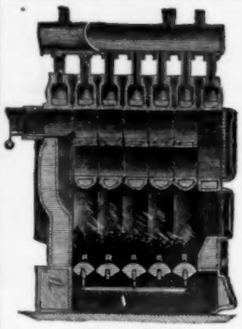

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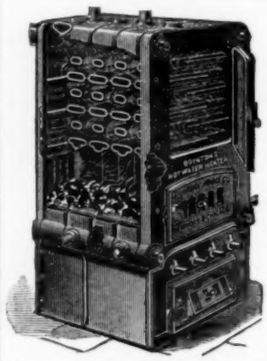

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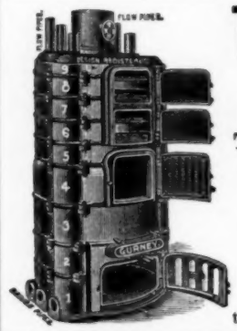

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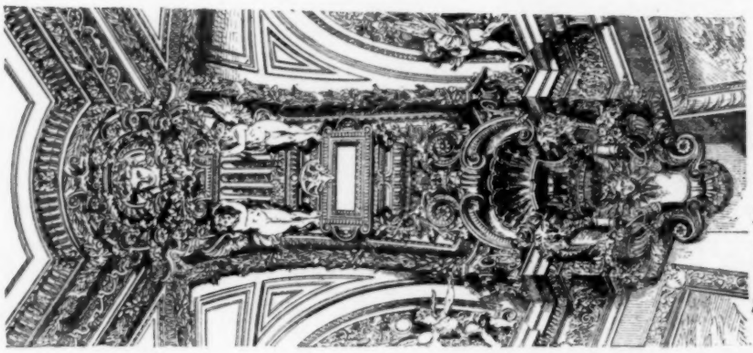

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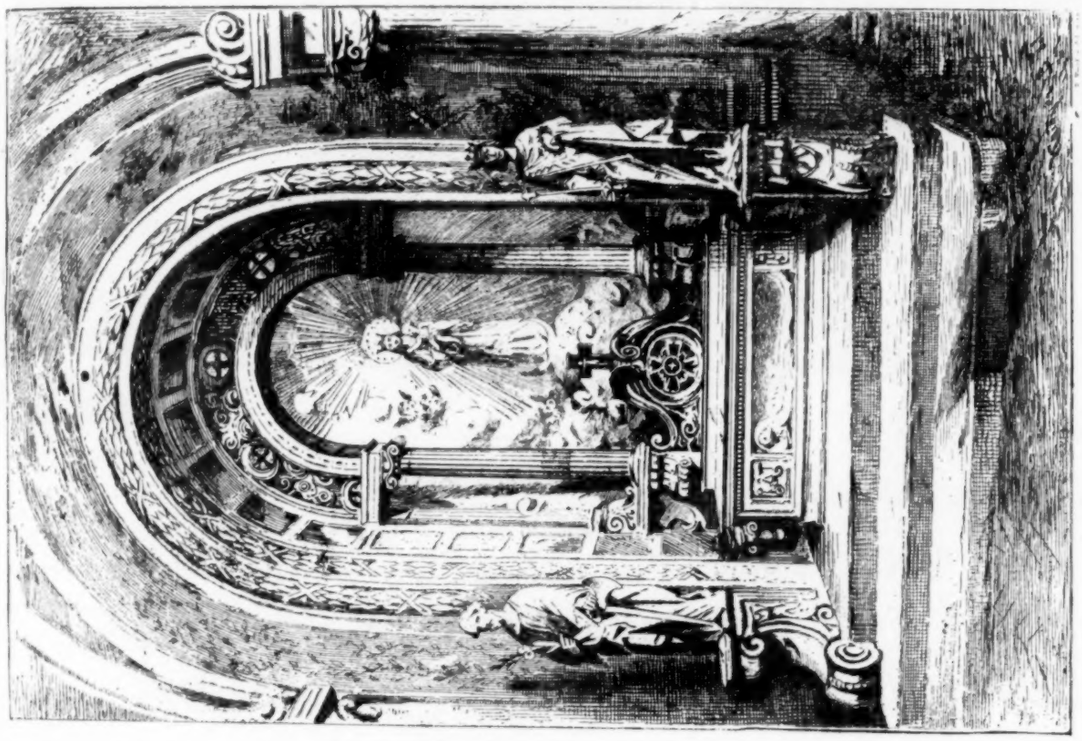

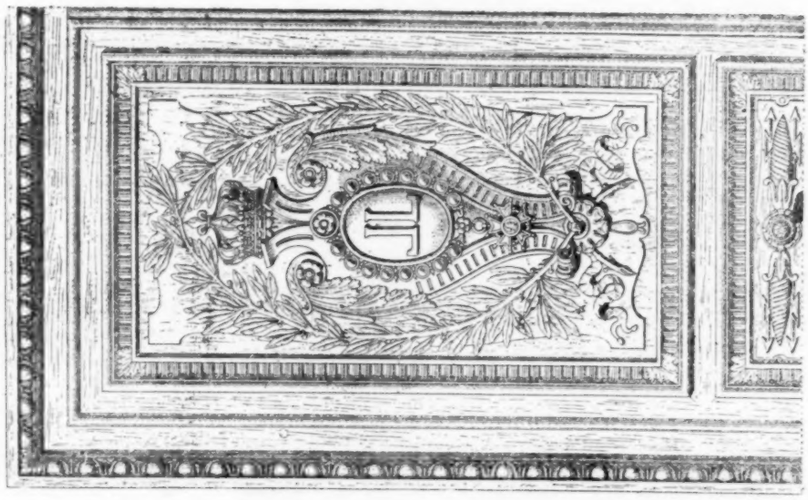

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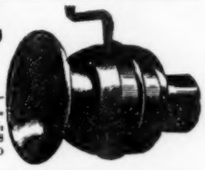

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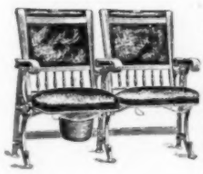

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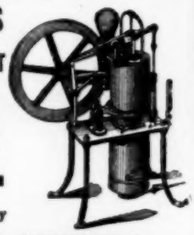

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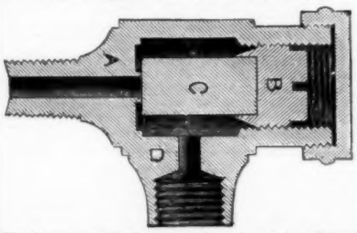

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433,199. CALIPERS.—Eugene V. Faucett, Wilmington, Del.
433,219. COPING-STONE. — Jacob Schwartz, Philadelphia, Pa.
433,239. SASH-HOLDER. — Frederick Harmer, Onekama, Mich.
433,268. ELEVATOR. — Nelson Beckwith, Cambridge, Mass.
433,306. BLIND-STOP. — Abraham Pugsley, Jamestown, R. I.
433,316. COLD-STORAGE HOUSE.—Albert W. Black, St. Louis, Mo.

See the first issue of the month for the following advertisements.

Walton Architectural Iron Co.
Atlantic W. Lead & Lin. Oil Co.
A. G. Newman.
J. J. Read.
Esterbrook Pen Co.
J. B. Shannon & Sons.
Brooks, Shoobridge & Co.
Sinclair & Babson.
F. O. Norton.
Ames Manufacturing Co.
Burditt & Williams.
Stebbins Mfg. Co.
R. W. Parry.
Springfield Foundry Co.
Geo. H. Chapin.
W. R. Pitt.
H. M. Hansen.
E. Thiele.
J. Reynolds & Son.
Utica Stained Glass Works.
H. A. Williams Mfg. Co.
C. B. Demarest & Co.
E. L. Deane.
J. F. Pease Furnace Co.
Schillinger Fireproof Cement & Asphalt Co.
S. A. Fletcher.
George A. Barnard.

See last or next issue for the following advertisements.

Frost & Adams.
Berry Brothers.
S. J. Pardessus.
J. J. Schillinger.
J. E. Bolles & Co.
Thorn Shingle and Ornament Co.
Samson Cordage Works.
Bridgeport Wood Finishing Co.
A. Cox Stove Co.
Merchant & Co.
Menomonie Pressed Brick Co.
Wehn Pavement Co.
Utica Steam Gauge Co.
Keuffel & Esser Co.
U. S. Heating and Plumbing Co.
N. & G. Taylor Co.
Richmond Stove Co.
Ridgway Furnace Co.
Somerset Potters Works Co.
Geo. F. Taylor.
Okonite Co.
E. T. Barnum.
Wm. Powell Co.

BUILDING PATENTS.

433,322. WINDOW-REFRIGERATOR. — Stephen J. Brown, Brooklyn, N. Y.
433,327. SASH-FASTENER. — Wesley Coulter, Pittsburgh, Pa.
433,343. WINDOW-SCREEN. — George F. Hawley, Grand Rapids, Mich.
433,368. BRICK-KILN.—William Rennie, Sing Sing, N. Y.
433,375. ELECTRIC HEAT-REGULATING SYSTEM. — Frank M. Sparrow, Mattapoisett, Mass.
433,410. MANUFACTURE OF WINDOW OR PLATE GLASS. — John A. Kurtz, Allegheny, Pa.
433,411. APPARATUS FOR MANUFACTURING PLATE OR WINDOW GLASS. — John A. Kurtz, Allegheny, Pa.
433,430. LIGHTNING-ARRESTER. — Alex. Wurts and Oscar H. Baldwin, Pittsburgh, Pa.

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.

Boston, Mass.—*Essex St., No.* 120, Ward 10, remodel front of two stores; owner, Henry R. Miller *et als.*; builders, Currier & McCoy.

Commonwealth Ave., No. 40, alterations to dwell. for Mr. Lowell; architects, Little & Browne; builder, W. F. Ross.

Clarendon St., cor. Marlboro St., alterations to two dwells., by making both into one dwell.; owner, Augustus Hemmenway; architects, Little & Browne; builders, Flanagan Bros.

Chicago, Ill. — John W. Winterbotham, one-st'y addition, 389-391 Fifth AVE.; cost, $3,500.

STAR STETTIN—PORTLAND CEMENT

WILL HEREAFTER BE REGULARLY IN THE MARKET.

E. Thiele, 78 William St., New York,

Sole Agent United States.

THE LINDEMAN LIQUID FILLER.

Superior to Shellac. *Effectually stops Absorption.*

GUARANTEED NOT TO SETTLE. **IS PERFECTLY TRANSPARENT.**

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ESTIMATES FURNISHED ON APPLICATION

HELIOTYPE PRINTING CO

BUILDING INTELLIGENCE.

J. Rosenbaum, three-st'y rear addition, 2229 Calumet Ave.; cost, $2,500.

Fritz Druhn, one-st'y addition, 17 Parmalee St.; cost, $2,200.

Manual Training School, one-st'y addition, 345-353 Michigan, Ave.; cost, $6,000.

Drake, Parker & Co., two-st'y addition, Grand Pacific Hotel, Clark, Jackson and La Salle Sts.; cost, $30,000.

F. Hemmelgam, one-st'y addition, 369 State St.; cost, $2,500.

S. Christoffel, one-st'y addition, 279 Union St.; cost, $2,000.

William Dyer, three-st'y addition, 476 W. Randolph St.; cost, $2,200.

George Vandersyde, two-st'y addition, Michigan Ave. and One Hundred and Eleventh St.; cost, $2,500.

Mrs. Mary Jones, two-st'y addition, 119 Dearborn St.; cost, $30,000.

Mrs. Jennie Christie, three-st'y addition, 873 West Twenty-second St.; cost, $2,000.

A. Rosenthal, one-st'y addition, 1035 North Oakley Ave.; cost, $2,000.

F. Sonnberg, two-st'y addition, 682 West Eighteenth St.; cost, $7,500.

John Schueyer, three-st'y addition, 609-611 West Twelfth St.; cost, $6,500.

Fifth Presbyterian Church, front addition, Indiana Ave. and Thirtieth St.; cost, $18,000.

Charles E. Fitch, addition, 296 Elm St.; cost, $4,000.

John B. Drake, one-st'y addition, 93 Wabash Ave.; cost, $10,000.

Greenlee Bros. & Co., one-st'y addition to foundry, 130-132 Bunker St.; cost, $2,500.

John M. Conroy, rear addition, 411-413 South State St.; cost, $6,000.

John Schneackel, two-st'y addition, 28 Ayers Ct.; cost, $2,000.

Philadelphia, Pa.—*Spruce St., No.* 623, alterations and additions to two-st'y back building; contractor, John Shorter, 830 Whaton St.

South Eighteenth St., No. 521, new front and internal alterations; contractor, Thomas Bennett, 923 Locust St.

Frankford Ave., n e cor. Palmer St., four-st'y addition to hospital; contractor, Wm. E. Buckley, 2533 North Ninth St.

Haverford Ave., front and internal alterations; contractor, T. E. Hurley, 621 North Thirty-third St.

North Sixth St., No. 832, two-st'y kitchen and bay-window; contractor, M. Schmid, 639 North Sixth St.

APARTMENT-HOUSES.

Chicago, Ill.—P. Smith, two-st'y flats, Dickey and Sixty-fourth Sts.; cost, $4,500.

C. Holst, two-st'y flats, California St. near Fulton St.; cost, $2,800.

A. L. Gourmalek, two-st'y flats, 1652 Greenshaw St.; cost, $2,000.

M. E. Tabor, 6 three-st'y flats, Milwaukee and Hoffman Aves.; cost, $33,000.

Mrs. A. C. De Luce, three-st'y flats, 197 California Ave.; cost, $6,500.

A. Henderson, 2 three-st'y flats, 428-430 Cleveland St.; cost, $12,000.

Miss C. Heidecki, three-st'y flats, 309 Washburne Ave.; cost, $3,500.

Frank Hopbester, two-st'y flats, 999 West Eighteenth St.; $3,500.

George Turnbre, 2 two-st'y flats, 322-324 Hermitage Ave.; cost, $7,000.

G. Gunderson, three-st'y flats, 368 West Ohio St.; cost, $4,000.

Otto Sauterhan, two-st'y flats, 1527 Congress St.; cost, $3,500.

Urban Schmidt, three-st'y flat, 713 Ogden Ave.; cost, $3,500.

Mrs. Hickok, three-st'y flat, 280 Osgood St.; cost, $4,000.

George Legmeyer, three-st'y flat, Union and Mark Sts.; cost, $6,000.

BUILDING INTELLIGENCE.

Edward Fleming, two-st'y flat, 545 West Polk St.; cost, $4,000.

J. & A. Warsdell, 2 three-st'y flats, Humbolt St. near Armitage Ave.; $5,000.

John Schmitz, two-st'y flats, 98 Langdon Ave.; cost, $2,700.

Frederick Roll, three-st'y flat, 18 Werder St.; cost, $3,500.

Jacob Nix, two-st'y flats, 5242 School St.; cost, $3,000.

J. Brockeman, two-st'y flats, Green and Sixtieth Sts.; cost, $2,000.

C. Hunt, two-st'y flats, Stewart and Chestnut Sts.; cost, $3,000.

Michael Meyer, two-st'y flats, Cottage Grove Ave. near Sixty-seventh St.; cost, $3,300.

L. C. Whitney, three-st'y flat, 4249 Wabash Ave.; cost, $3,000.

New York, N. Y.—*West Fourteenth St., No.* 342, six-st'y brick flat, gravel roof; cost, $8,000; owner, John Pettit, East Orange, N. Y.; architect, James M. Farnsworth, Temple Court.

Fifth St., No. 713, five-st'y brick flats, tin roof; cost, $22,000; owner, Ferdinand Sieghardt, 410 East Eighty-fifth St.; architect, Franklin Baylies, 51-52 Bible House.

One Hundred and Twenty-ninth St., s s, 35′ e Madison Ave., five-st'y brick flat, tin roof; cost, $25,000; owner, Stephen Lovejoy, 2013 Madison Ave.; architect, G. Robinson, Jr., 247 West One Hundred and Twenty-fifth St.

Eighty-first St., s s, 42′ e Tenth Ave., 2 five-st'y brick flats, tin roofs; cost, $50,000; owner, John Casey, 59 East Eighty-seventh St.; architect, George A. Bagge, 312 East Eighty-ninth St.

Manhattan Ave., s w cor. One Hundred and Twenty-fourth St., 4 five-st'y brick and terra-cotta flats; owner, John Smith; architect, Emanuel E. Gandolfo.

Somerville, Mass.—*Summer St.*, cor. Putnam St., 7 three-st'y frame apartments and three stores, flat roofs, 52′ x 79′; owner, Nathan C. Cary; builder, Kiley.

CHURCHES.

Chicago, Ill.—Bethel Methodist Episcopal Church, 2977-2979 Dearborn St.; cost, $32,000.

FACTORIES.

Boston, Mass.—*Furbush Ct.*, Ward 4, two-st'y brick factory, 23′ x 40′; owners, Furbush & Co.; builders, I. K. & W. E. Blaikie.

Chicago, Ill.—Chicago Edison Co. (Electric), one-st'y factory, 2638-2642 Wabash Ave.; cost, $30,000.

Peter Fahrney, four-st'y factory, 114-116 Hoyne Ave.; cost, $20,000.

Thompson & Taylor Spice Co., six-st'y spice mills, Lake and Michigan Aves.; cost, $75,000.

C. H. Hildreth, six-st'y factory, 467-481 Carroll Ave.; cost, $65,000.

HOUSES.

Boston, Mass.—*Bay State Rd.*, off Beacon St., four-st'y brick and marble dwell., hip roof, 30′ x 70′; owner and architect, Arthur Little; builders: James Smith, mason; Roberts & Hoar, carpenters.

Paul Gore St., No. 53, Ward 23, three-st'y frame dwell., pitch roof, 26.6′ x 51.2′; owner, Frederick Mattern; builder, James Carson.

Bradbury St., near Mansfield St., Ward 25, 5 two-st'y frame dwells., flat roofs, 19′ x 30′; owner, Susan Ringer; builder, Hugh Ringer.

Minden St., near Day St., Ward 22, frame dwell., 23′ x 40′; owner, John Sheehan; builder, T. A. Cusick.

Mountfort St., off Arundel St., Ward 22, 7 three and four-st'y brick dwells., flat roofs, 22′ x 47′ and 22′ x 45′; owners, W. D. Vinal and G. Wheatland, Jr.; builder, W. D. Vinal.

Kensington St., near Elmore St., Ward 21, three-st'y brick dwell., pitch roof, 26′ x 54′; owner, Bernard Fay; builder, A. Geldert.

Dorchester Ave., No. 912, cor. Grafton St., Ward 24, three-st'y frame dwell., flat roof, 22′ x 44.6′; owner, Mrs. J. Kelley; builders, Hutcheson & Henderson.

Paul Gore St., No. 52, Ward 23, three-st'y frame dwell., pitch roof, 26.6′ x 51.2′; owner, F. C. Aplin; builder, James Carson.

Laurel St., No. 15, Ward 24, frame dwell., 24′ x 35′; owner and builder, E. C. Benson.

Laurel St., near Norfolk St., Ward 24, frame dwell., 22′ x 35′; owner, Caroline Walbridge; builder, E. C. Benson.

Roslin St., near Ocean St., Ward 24, frame dwell., 35′ x 43′; owner, L. H. Higgins; builder, J. McDowell.

Nelson St., near Norfolk St., Ward 24, three-st'y frame dwell., flat roof, 22′ x 48′; owner and builder, James Floyd.

Camden, N. J.—*Division St., Nos.* 332-334, 2 two-st'y brick dwells.; owners, Baumann & Leeds, Eighth and Parrish Sts., Philadelphia.

Kaighn's Ave., near Eighth St., 3 two-st'y brick dwells.; owner, J. S. Jackson, 829 Broadway.

Clinton St., No. 523, two-st'y brick dwell.; owner, E. F. Jones, 423 North Third St.

Diamond St., Nos. 39-45, 4 two-st'y brick dwells.; owner, W. Bedford, 2323 De Lancy Pl., Philadelphia.

Baxter St., w Tenth St., 15 two-st'y frame dwells.; owner, Wm. C. Scudder.

Kaighn's Ave. and Ann St., two-st'y frame dwell.; owner, George Bantison, on premises.

Third St., head of, frame dwell.; owner, Isaac Corliss.

Market St., No. 217, three-st'y brick dwell.; owner, W. Harden.

Chestnut St., No. 626, frame dwell.; owner, Wm. Ross, 1146 Sycamore St.

Mount Ephraim Pike, bet. Liberty and Mechanic Sts., two-st'y brick dwell.; owner, John F. Betz, Liberty Park.

Chelten Ave., Nos. 550-554, 2 two-st'y frame dwells.; owner, Silas Latchford, 1038 Fillmore St.

Tenth and Baxter Sts., 4 two-st'y frame dwells.; owner, W. C. Scudder.

Tenth St., near Ferry Road, two-st'y frame dwell.; owner, E. T. Collis, Tenth St., ab. Ferry Road.

Eighth St., e s, bet. Line and Pine Sts., 9 two-st'y brick dwells.; owners, Robbin Bros.

Pine St., n s, e Eighth St., 10 two-st'y brick dwells.; owners, Robbin Bros.

Line St., e Eighth St., 10 two-st'y brick dwells.; owners, Robbin Bros.

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dwells.; owner, John M. Matthews, 1733 Fillmore Ave.

Tioga St., n w cor. Central Ave., 2 two-st'y frame dwells.; owner, Wm. Thompson, 420 Jackson St.

Railroad Ave., bel. Vanhook St., 3 two-st'y frame dwells.; owner, J. M. Matthews, 1733 Fillmore Ave.

Broadway, No. 1148, two-st'y frame dwell.; owner, E. Johnson, on premises.

Becket and Fourth Sts, 6 two-st'y brick dwells.; owner, Jas. White.

Chestnut Hill, Pa.—Three-st'y stone country dwell. and stable.

Chicago, Ill.—A. Steinbreche, two-st'y dwell., Diversy Ave. near Wallace St.; cost, $2,000.

Lincoln Brooke, two-st'y dwell., Park End St. and Sixtieth St.; cost, $4,500.

W. A. Daniels, three-st'y dwell., Buena Park near Evanston Ave.; cost, $3,000.

BUILDING INTELLIGENCE.

Anna M. Lusenhof, two-st'y dwell., 604 Austin Ave.; cost, $5,000.

John M. Gowan, two-st'y dwell., 1322 Fulton St.; cost, $3,500.

E. A. Titcomb, two-st'y dwell., 1378 Millard Ave.; cost, $3,500.

W. S. Jackson, two-st'y dwell., Drexel Bou. bet. Sixty-sixth and Sixty-seventh Sts.; cost, $2,000.

Charles Brown, cottage and barn, 51 Racine Ave.; cost, $2,000.

John W. Conley, three-st'y dwell., Forty-second St. and Grand Bou.; cost, $5,000.

C. Grossbernd, two-st'y dwell., 1780 North Grand Ave.; cost, $2,000.

E. L. Yarlott, two-st'y dwell.; 5623 Drexel Ave.; cost, $8,000

A. H. Trotter, two-st'y dwell., 4925 Madison Ave.; cost, $8,000.

A. Mendel, three-st'y dwell., 4346 Grand Bou.; cost, $10,000.

William Hart, three-st'y dwell., 3650 Michigan Ave.; cost, $2,000.

Blaton Bushee 2 two-st'y dwells., Maple near Wright St.; cost, $6,000.

Voss Bros., two-st'y dwell., Peoria near Eighty fifth St.; cost, $2,000.

Joseph Bissky, cottage, 1156 North Leavitt St.; cost, $2,700.

Chauncey Keep, three-st'y dwell., 2825 Prairie Ave.; cost, $20,000.

Albert Wisnar, 2 two-st'y dwells., Eldridge near Brunswick Sts.; cost, $2,000.

A. Wisnar, two cottages, Eldridge St. near Centre Ave.; cost, $2,000.

A. Wisnar, two cottages, Brunswick St. near Centre Ave.; cost, $2,000.

H. W. Ames, six cottages, Fifty-sixth and Wright Sts.; cost, $7,200.

H. W. Ames, two cottages, Fifty-seventh and Wallace St.; cost, $2,400.

BUILDING INTELLIGENCE.

H. W. Ames, two cottages, Fifty-eighth and Winter Sts.; $2,400.

H. Hodgdon, 4 three-st'y dwells., Fifty-fourth and Halsted St.; cost, $4,800.

Bogue & Hoyt, two cottages, Paulina near Fifty-sixth Sts.; cost, $2,000.

E. V. Adkins, two-st'y dwell. and barn, Palmer near Leland Sts.; cost, $3,300.

Gustave Hoffman, two-st'y dwell., 2007-2009 Surf St.; cost, $14,000.

John G. Neumeister, two-st'y dwell., 19-21 Sidney Court; cost, $21,000.

W. B. Kellogg, two-st'y dwell., Irving Park and Douglass Aves.; cost, $3,500.

R. M. Hitchcock, 3 three-st'y dwells., 1224 Wrightwood Ave.; cost, $7,000.

P. W. Gevsy, two-st'y dwell., Yale near Twenty-first St.; cost, $3,500.

C. Beers, two-st'y dwell., 3417 Paulina St.; cost, $4,000.

Marie L. Murphy, two-st'y dwell., Lake Ave. n Fifty-first St.; cost, $4,000.

N. W. Harris, two-st'y dwell., 4528 Drexel Bou.; cost, $15,000.

James T. Ganson, 2 two-st'y dwells., 1007-1009 Jackson St.; cost, $6,000.

G. A. Springer, 4 three-st'y dwells., 3801-3811 Prairie Ave.; cost, $30,000.

Shields & Cooke, 2 two-st'y dwells., Terry Ave. Seventy-third St.; cost, $6,500.

Oliver S. Lyforce, two-st'y dwell., 2968 Lake Park Ave.; cost, $12,000.

John L. Manning. two-st'y dwell., Lester St. near Kiehl Pl.; cost, $2,500.

W. E. Palmer, four cottages, St. Lawrence bet. Sixty-seventh and Sixty-eighth Sts.; cost, $10,000.

George H. Bliss, 3 three-st'y dwells., 4536-43 Lake Ave.; cost, $12,000.

Andrew J. Toolen, 2 two-st'y dwells., 79-81 Forty-fourth St.; cost, $10,000.

EDISON GENERAL ELECTRIC COMPANY,

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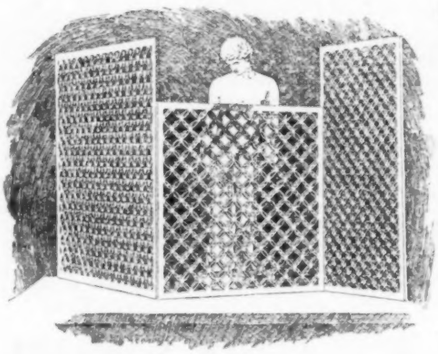

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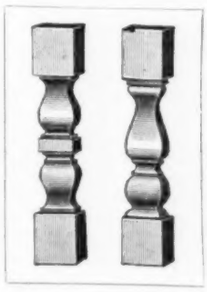

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621 Albany Street, BOSTON, MASS.

Send for Catalogue.

BUILDING INTELLIGENCE.

Frank A. Palmer, two-st'y dwell., 1193 Fulton St.; cost, $2,000.

D. E. Hartwell, two-st'y dwell., 4624 Emerald Ave.; cost, $6,000.

P. W. George, two-st'y dwell., Stewart Ave. and Seventieth St.; cost, $3,500.

Trebleeock & Penhallagon, two-st'y dwell., 7015 Winter St.; cost, $2,200.

James Hayes, two-st'y dwell., 4748 Winter St.; cost, $2,000.

George Brandt, two-st'y dwell., 1314 Michigan Ave.; cost, $20,000.

M. A. Hageman, two-st'y dwell., 5625 Butterfield St.; cost, $2,400.

W. H. Drake, two-st'y dwell., 4818 Lake Ave.; cost, $4,800.

Dorchester, Mass.—*Humboldt Ave.*, frame dwell., colonial style, 38' x 45', with L, 20' x 30'; owner, L. Foster Morse; architects, Little & Browne, Boston; builder, C. H. Blodgett.

Jamaica Plain (Parleyvale.)—Frame dwell., 28' x 57'; owner, Gilbert N. Hall; architect, H. M. Stephenson, Boston; builder, John H. Kellar.

Peache's Point (Marblehead Neck.) — Frame dwell., 38' x 50'; owner, Mrs. Grace Oliver; architects, Little & Browne, Boston; builders, Lord & Neal.

Philadelphia, Pa. — *Comly St.*, n s, w Torresdale Ave., two-sty dwell.; owners, Lukings & Rhoads; Funk St., ab. Comly St.

BUILDING INTELLIGENCE.

Unity St., s s, w Leiper St., 4 two-st'y dwells.; contractors, Osborne Bros., Margaretta and Adaline Sts.

Juniata St., s s, w Wayne St., 7 two-st'y dwells.; owner, John Priestly, 1809 Juniata St.

South Fifteenth St., No. 1225, two-st'y dwell.; contractor, Joseph McKeever, 1548 South Fifteenth St.

Orleanne St., e s, n Snyder Ave., 2 two-st'y dwells.; contractor, C. P. Nesbit.

Passyunk Ave. junction Snyder Ave, 4 three-st'y dwells.; contractor, C. P. Nesbit.

Fernon St., s s, w Twenty-first St., 18 two-st'y dwells.; owner, J. Crawford, 2054 Tasker St.

Morris St., n s, w Second St., 4 two-st'y dwells.; contractor, D. J. Dunbar, 1517 South Second St.

Nineteenth St., w s, s Moore St., 2 two-st'y dwells.; contractor, Jas. Montgomery, n w cor. Nineteenth and McClellan Sts.

Fourth St., e s, n Indiana Ave., 12 two-st'y dwells.; owner, John L. Kelly, 624 Erie Ave.

Lehigh Ave., w Sixth St., 10 three-st'y dwells.; contractor, H. S. Schultz, 2633 Germantown St.

Dawson St., w Righter St., 2 two-st'y dwells.; contractor, J. T. Peasgood, Cresson and Vassar Sts.

Markoe St., n Lancaster Ave., 2 two-st'y dwells.; owner, Thos. Donnelly, 4614 Lancaster Ave.

Glenmore St., n s, w Forty-eighth St., 19 two-st'y dwells.; owner, W. S. P. Shields, 735 Walnut St.

Jefferson St., n s, w Twenty-fifth St., 2 three-st'y dwells.; contractor, W. A. Archer, 1916 North Twenty-second St.

Tenth St., e s, s McKeen St., 3 two-st'y dwells.; Jas. McVicker & Bro., 1143 South Broad St.

Taylor St., n s, w Tenth St., 6 two-st'y dwells.; contractor, W. T. Albrecht, 2341 North Twenty-ninth St.

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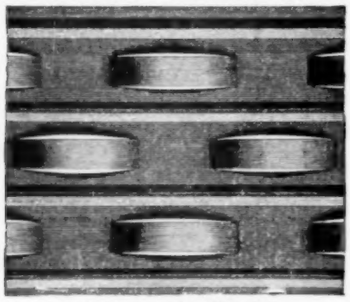
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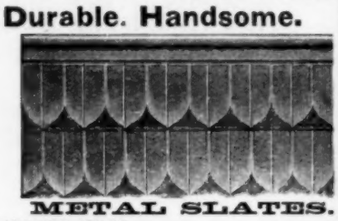
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BUILDING INTELLIGENCE.

Washington, D. C.—*K St.*, brick and stone dwell., 50' x 71.8', colonial style, interior finish to be made in Boston and forwarded to Washington; cost, abt. $70,000; owner, Henry Strong; architects, Little & Browne, Boston.

OFFICE-BUILDINGS.

Camden, N. J. — *Wharf*, foot of Federal St., frame office; owners, P. R. R. Co.

Chicago, Ill. — Women's Christian Temperance Union, twelve-st'y office-building and stores, cor. Monroe and La Salle Sts.; cost, $1,000,000.

Western Bank-Note Engraving Co., eight-st'y office-building, cor. Madison and Michigan Aves.; cost, $125,000.

RAILROAD BUILDINGS.

Camden, N. J. — *P. R. R. Yard*, 2 one-st'y frame buildings; owners, P. R. R. Co.

SCHOOL-HOUSES.

Melrose, Mass. — Frame school-house, 4 rooms, recitation rooms, etc.; architects, Loring & Phipps, Boston; builder, A. McDonald.

Somerville, Mass.—*Jacques St.* (Winter Hill) brick and stone grammar school-house, 8 rooms, recitation rooms, etc.; contract to be let; architects, Loring & Phipps, Boston.

STABLES.

Chicago, Ill.—Frank Warren, livery stable, 1077-1079 West Harrison St.; cost, $8,000.

John Coughlin, three-st'y barn and stables, 151-153 Erie St.; cost, $3,500.

Marblehead Neck (Peache's Point) — Frame stable, 38' x 58'; owner, Mrs. Grace Oliver; architects, Little & Browne, Boston; builders, Lord & Neal.

STORES.

Camden, N. J. — *Broad St.*, n w cor Chestnut St., brick store; owner, W. Whilldin.

BUILDING INTELLIGENCE.

Chicago, Ill.—Anderson & Alstrom, 2 two-st'y stores and flats, Fifty-ninth St., near Morgan St.; cost, $3,000.

Mrs. Mary A. Smith, four-st'y store and flats, 270 Sedgewick St.; cost, $12,000.

William H. Emerson, three-st'y stores and flats, 1904 Wabash Ave.

Herman Schapn, two-st'y store and dwell., 6356 St. Laurence St.; cost, $3,000.

WAREHOUSES.

Chicago, Ill. — Armour & Co., two-st'y warehouse; Center Ave., bet. Forty-second and Forty-third Sts. cost, $8,000.

MISCELLANEOUS.

Boston, Mass.—*Bedford St., Nos.* 78-84, Ward 10, six-st'y brick and mercantile building, flat roof, 41' x 66.5'; owner, Andrew Carney estate; builder, T. J. Lyons.

Tremont St., Nos. 1154-6-8, cor. Ruggles St., Ward 19, three-st'y brick mercantile building, flat roof, 54' x 72'; owner, R. T. Paine; builder, G. W. Pope.

Camden, N. J. — *Railroad Ave.*, ab. Vanhook St., brick drying-room; owners, Cottrell & Messington.

Chicago, Ill.—Frazer & Chalmers, two and four-st'y foundries, 1267-1317 West Twelfth St.; cost, $150,000.

BUILDING INTELLIGENCE.

Frazer & Chalmers, one-st'y boiler shop, 425-435 Washtenau Ave.; cost, $80,000.

H. E. Bucklen, six-st'y laboratory, 10-14 Peck Ct.; cost, $80,000.

S. E. Tracey, three basements, 75-79 Fortieth St.; cost, $3,000.

Providence, R. I.—*Cranston and High Sts.*, business block; cost, $30,000; owners, C. E. Souther *et als.*; builders, Whitaker & Smith.

Potters Ave., brick business block; cost, $20,000; owners, Hearn & Brailsch; builder, N. B. Horton; architect, Geo. W. Cady.

Eddy St., brick ward for out-patients for R. I. Hospital; builders, Cutting & Bishop; architects, Stone, Carpenter & Willson.

East Ave., brick observatory for Brown University; builders, Barney & Son; architects, Stone, Carpenter & Willson.

PROPOSALS.

July 31, 1890. 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 26th day of August, 1890, for all the labor and materials required for the marble work, etc., for the United States Court-House and Post-Office building at Pittsburgh, Pa., in accordance with the drawings

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PROPOSALS.

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 $500. The Department will reject all bids received after the time fixed for opening the same; also bids which do not comply strictly with all the requirements of this invitation. Proposals must be sealed and endorsed "Proposal for the Marble Work for the United States Court-House and Post-Office building at Pittsburgh, Pa.," and addressed to JAMES H. WINDRIM, Supervising Architect. 764

August 2, 1890. 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 28th day of August, 1890, for all the labor and materials required in the erection and completion of the United States Court-House and Post-Office building at Opelousas, La. (except heating apparatus), 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 $500. The Department will reject all bids received after the time fixed for opening the same; also bids which do not strictly comply with all the requirements of this invitation. Proposals must be sealed and endorsed "Proposal for the Erection and Completion (except heating apparatus) of the United States Court-House and Post-Office building at Opelousas, La.," and addressed to JAMES H. WINDRIM, Supervising Architect. 764

PROPOSALS.

LUMBER, ETC. [At League Island Navy Yard.]
July 19, 1890.

Sealed proposals, endorsed "Proposals for Lumber, etc., for the League Island Navy Yard, to be opened August 12, 1890," will be received at the Bureau of Provisions and Clothing, Navy Department, Washington, D. C., **until 12 o'clock, noon, August 12, 1890,** and publicly opened immediately thereafter, to furnish at the League Island Navy Yard a quantity of material, consisting of bolts, yellow pine, spruce piles, etc.

The articles must in all cases conform to the Navy standard and pass the usual naval inspection.

Blank proposals will be furnished upon application to the commandant of the Navy Yard, the Navy Pay Office, Philadelphia, or to the Bureau.

Tie-bids, all other things being equal, decided by lot.

The Department reserves the right to waive defects or to reject any or all bids not deemed advantageous to the Government.

EDWIN STEWART,
764 Paymaster-General, U. S. Navy.

COURT-HOUSE. [At Tacoma, Wash.]

Sealed proposals will be received at the office of the undersigned until **12 o'clock, noon, on the 28th day of August, 1890,** for the several works required in the erection and completion of a stone and brick Court-House for Pierce County, State of Washington, to be built in the city of Tacoma.

Plans and specifications may be seen on and after the 28th day of July, 1890.

A certified check of the value of eight per cent of bid must accompany each bid as a guaranty that the bidder will enter into a contract if his bid is accepted.

A satisfactory bond will be required of the successful bidder.

The right to reject any and all proposals is reserved.

Plans, specifications and all information obtained from PROCTOR & DENNIS, Architects,
600-1-2 Washington Block,
765 Tacoma, State of Washington.

IRON PIER. [Near Lewes, Delaware.]

UNITED STATES ENGINEER OFFICE,
1428 ARCH STREET,
PHILADELPHIA, PA., July 16, 1890.

Sealed proposals, in duplicate, will be received at this office **until 11 A. M. Friday, August 15, 1890,** and then opened, for repairs to the United States iron pier in Delaware Bay, near Lewes, Delaware.

The attention of bidders is invited to the Acts of Congress approved February 26, 1885, and February 23, 1887, Vol. 23, page 332, and Vol. 24, page 414, Statutes at Large.

For all information apply to
C. W. RAYMOND,
763 Major of Engineers, U. S. Army.

SEWER. [At Boston, Mass.]

Sealed bids for Building Sections 8 and 9 of the Metropolitan Sewerage System (East Boston) and Sections C and D (Brighton), all in the city of Boston, in accordance with the form of contract and specifications to be furnished by the Board of Metropolitan Sewerage Commissioners, will be received by said Board at its office, 93 Lincoln Street, Boston, Mass., **until 12 o'clock M. of Wednesday, August 13, 1890.**

No bid will be received unless accompanied by a certified check for the sum of one thousand dollars.

All bids must be made upon the blank forms furnished by the Board.

The external diameter of the sewer on Sections 8 and 9 is from eleven to fifteen feet, and on Sections C and D is from six and one-half to nine feet. Some other particulars are approximately as follows:

Sec.	Length. Feet.	Av. depth. Feet.	Cub. yds. brick masonry.	Cub. yds. concrete masonry.	No. piles.
8.....	4,100	15	1,800	4,900	40
9.....	3,700	14	2,000	4,000	40
C.....	5,800	15	1,500	2,600	1,000
D....	5,400	16.5	1,600	2,400	100

Plans can be seen, and specifications and form of contract can be obtained, at the above office.

Each bidder is required to make a statement indicating what sewer and similar work he has done, and to give references that will enable the Board to judge of his business standing.

The Board reserves the right to reject any and all bids.

HOSEA KINGMAN,
TILLY HAYNES,
ROBERT T. DAVIS,
Board of Metropolitan Sewerage Commissioners of Massachusetts.
HOWARD A. CARSON,
763 Chief Engineer.

July 24, 1890. 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 7th day of August, 1890, for all the labor and materials required to complete the plumbing for the United States Court-house and Post-office at Charlotte, N. C., in accordance with the drawings and specification. Each bid must be accompanied by a certified check for $100. The Department will reject all bids received after the time fixed for opening the same; also, bids which do not comply strictly with all the requirements of this invitation. Proposals must be sealed and endorsed "Proposal for Plumbing for the United States Court-house and Post-office at Charlotte, N. C.," and addressed to JAS. H. WINDRIM, Supervising Architect. 763

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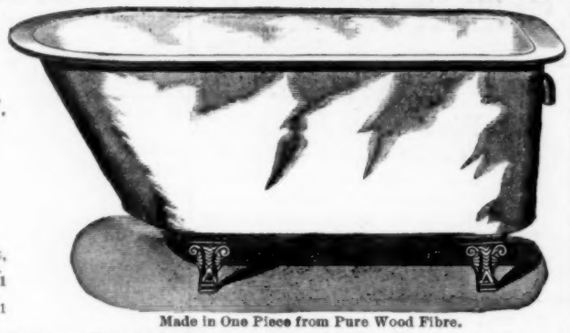

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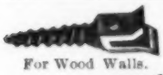

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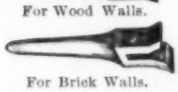

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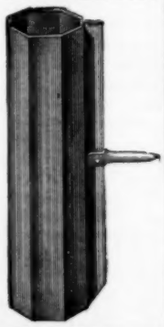

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PROPOSALS.

July 26, 1890. 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 19th day of August, 1890, for supplying and delivering at freight-depot at place of designation, the Post-office lock-boxes, lock-drawers, locks, pulls plates, etc., for United States public buildings, as may be ordered during the fiscal year ending June 30, 1891. Copies of the specification and all additional information may be had on application at this office.

PROPOSALS.

Each bid must be accompanied by a certified check for $100. The Department reserves the right to reject all bids received after the time fixed for opening the same; also, bids which do not comply strictly with all the requirements of this invitation. Proposals must be sealed and endorsed "Proposal for Lock-boxes, Lock-drawers, Locks, Pulls, Plates, etc., for United States Post-offices," and addressed to JAS. H. WINDRIM, Supervising Architect.

763

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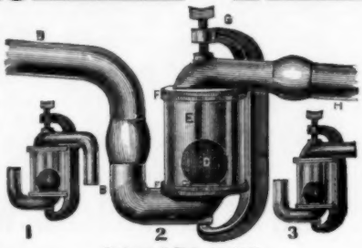

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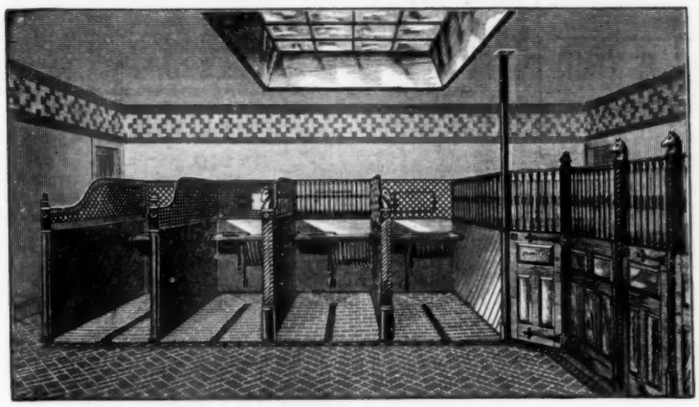

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[*See Alphabetical Index on page VII for Pagination.*]

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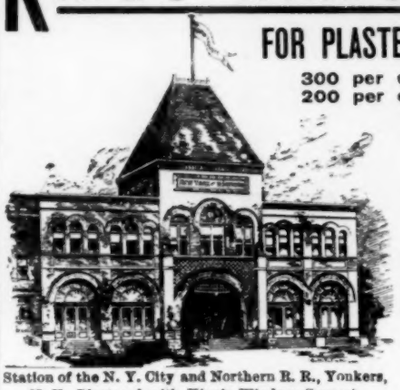
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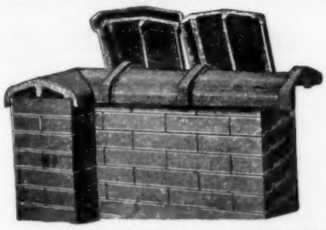

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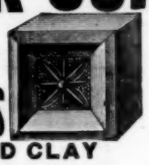

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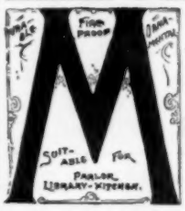

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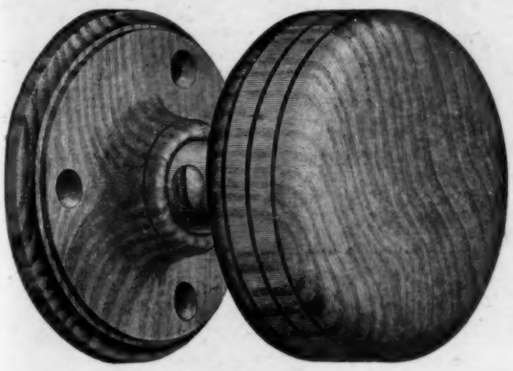

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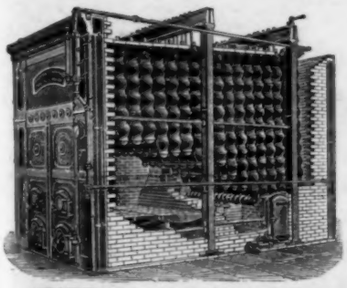

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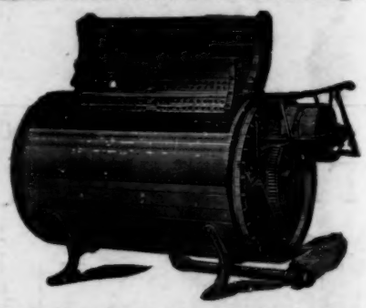

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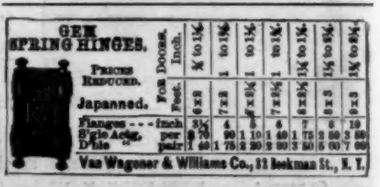

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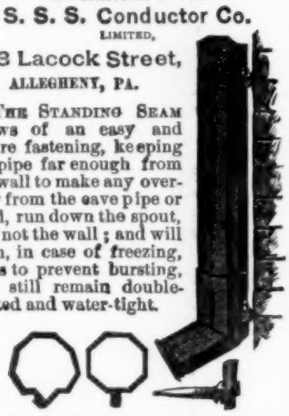

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LUMBER.—₱ M.	New York. (*Wholesale Prices.*)	Boston. (*Price to Builders and Contractors.*)	Chicago.	Philadelphia.
Boards: (*Ordinary dimensions.*)				
Pine, 1st quality, clear	65 00 @ 75 00	50 00 @ 60 00	30 00 @ 47 00	48 00 @ 55 00
" 2d quality	55 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	@ 25 00	13 00 @ 25 00	*Not sold.*	16 00 @ 20 00
Hemlock	ea 13½ @ 14	13 00 @ 15 00	@ 12 00	11 25 @ 13 50
Yellow pine	20 @ 40	25 00 @ 35 00	29 00 @ 37 00	14 00 @ 29 00
Cypress	@	32 00 @ 40 00	@	@ 35 00
Clapboards:				
Pine	@	40 00 @ 60 00	10 00 @ 22 00	14 00 @ 25 00
Spruce	@	25 00 @ 45 00	*Not sold.*	*Not Sold.*
Framing Timber:				
Pine			12 00 @ 15 00	25 00 @ 37 30
Spruce	14 00 @ 18 00	15 50 @ 20 00	*Not sold.*	16 00 @ 18 00
Hemlock	12 00 @ 16 00	14 00 @ 16 00	10 00 @ 13 00	13 00 @ 17 00
Yellow pine	18 00 @ 21 00	24 00 @ 35 00		22 00 @ 28 00
Laths:				
Pine	@	2 25 @ 2 35	2 10 @ 2 25	2 75 @ 3 00
Spruce	2 30 @ 2 40	2 25 @ 2 50	*Not sold.*	2 30 @ 3 00
Shingles:				
Pine, shaved ₱ 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 ₱ 125	1 40 @ 1 60	3 75 @ 4 00	6 00 @ 7 50	30" $35 @ 40
Cedar, split ₱ 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 ₱ ft.	4½ @ 5½	Piles 6c. ₱ 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 "	@	25 @ 50	*Not sold.*	20 @ 30
Finishing Woods: ₱ M. (*First Qual.* [*Kiln-dried.*])				
Ash	@ 55 00	45 00 @ 60 00	30 00 @ 40 00	30 00 40 00
Cherry	80 00 @ 120 00	85 00 @ 120 00	80 00 @ 100 00	80 00 @ 100 00
Butternut	40 00 @ 60 00	60 00 @ 70 00	50 00 @ 60 00	70 00 @ 80 00
Hard-pine floors (rift)		50 00 @ 60 00		
Mahogany, Baywood [Mexican]	@ 180 00	150 00 @ 160 00	150 00 @ 200 00	150 00 @ 250 00
" St. Domingo	@ 350 00	120 00 @ 350 00	200 00 @ 250 00	200 00 @ 400 00
Maple	45 00 @ 50 00	45 00 @ 50 00	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 @ 80 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 ₱ ft.	@ 6		@ 7	
Spruce floors (clear, kiln-dried)		32 00 @ 35 00		
Walnut, black	125 00 @ 150 00	85 00 @ 120 00	55 00 @ 100 00	50 00 @ 170
Whitewood	45 00 @ 50 00	40 00 @ 45 00	18 00 @ 40 00	25 00 @ 40 00
Yellow pine ₱ M	@ 45 00	40 00 @ 42 00	29 00 @ 40 00	27 50 @ 45 00

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BRICK.—₱ M.				
Common: *Cargo afloat.*				
Pale	2 50 @ 3 25	Eastern 9 00 @ 10 00	Building Brick @ 6 50	Sq. Hard @ 12
Jersey	4 00 @ 5 50	Bay State Hard 9 00 @ 10 00		" @ 9 00
Long Island	5 50 @ 6 00	Domestic Com. 9 50 @ 10 00	Indiana Pressd 14 00 @ 20 00	Salmon " 6 50
Up River	4 50 @ 5 50	Domestic Face 20 00 @ 22 00	St. Louis Fronts @ 27 00	Sq. " @ 9 00
Haverstraw Bay 2nd	5 00 @ 5 50	Philadelphia 40 00 @ 45 00		Light Stretchers @ 12 00
" 1st	5 75 @ 6 25	Phila. mould 50 00 @ 80 00		Medium " @ 14 00
Hollow	@ 13 00			Red " @ 15 00
Fronts		Anderson 14 00 @ 32 00		Dark " @ 15 00
Croton, Brown	14 00 @ 15 00		15 00 @ 27 00	Pressed 22 00 @ 26 00
" dark	15 00 @ 16 00		65 00 @ 350 00	Best Paving @ 16 00
" red	15 00 @ 16 00		@ 55 00	second " @ 14 00
Chicago pressed (Anderson)			45 00 @ 50 00	Third " @ 13 00
Chicago Moulded			45 00 @	
Baltimore	7 00 @ 41 00		25 00 @	
Philadelphia	@ 22 00		60 00 @ 100 00	Dom. @ 65
Trenton	@ 22 00		30 @	@ 85
Milwaukee			35 @	
Moulded:			55 00 @ 65 00	
Glens Falls Red Pressed	@ 37 00			
" " Buff "	@ 30 00		@ 100 00	
" " Moulded Red & Buff	45 00 @ 70 00		@ 120 00	
Enamelled: *Imp.*				
Enamelled (edge.)	85 00 @ 100 00			
Enamelled (edge and end)	90 00 @ 115 00			
CEMENT, LIME, etc.—(₱ cask.)				
Rosendale Cement	90 @ 1 10	1 20 @ 1 40	*Not Sold.*	1 30 @ 50
Louisville "		Brooks, S. & Co	1 05 @ 1 30	B & S.E. 275 @ 300
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
" " (Burham)	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
" 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
" " (Vorwohler)	2 50 @ 2 90	Cleopatra	@	Josson
" " (Lagerdofer)	@	2 55 @ 3 00	2 75 @ 3 00	2 50 @ 2 75
" " (Dyckerhoff)	2 90 @ 3 25	3 00 @ 3 50	3 25 @ 3 50	3 00 @ 3 25
" " (Hanover)	2 50 @ 3 00		*Not Sold.*	2 75 @ 2 85
" " Stettin, (Anchor)	3 35 @ 3 85	2 15 @ 2 50	*Not Sold.*	
" American (Saylor's)	2 15 @ 2 45	@ 3 00	2 75 @ 3 00	2 50 @ 2 75
Roman	2 75 @ 3 00	@ 6 00	2 75 @ 3 25	3 00 @ 3 50
Keene's coarse	5 15 @ 6 50	@ 11 50	6 00 @ 7 00	6 50 @ 7 00
" superfine	9 25 @ 10 25		9 @ 10 50	8 00 @ 9 00
Lime:		@ 1 35	*Not sold.*	White Lime
Lime of Teil	3 50 @ 4 00	St. John 1 00	55 @	25 @ 30 ₱ bush
Hydraulic Lime	@ 1 45		60 @	White Mass
Chicago Lime in bulk		@ 1 05	*Not sold.*	1 25 @ 1 50
Wisconsin "	@ 1 00	@ 1 10	*Not sold.*	1 00 @ 1 00
Rockland and Rockport, (Com.)	@ 1 20	@ 1 20	1 00 bulk, 75c.	
Rockland and Rockport, finish	@ 1 20	*Not sold.*	*Not sold.*	*Not sold.*
Kelley Island Lime, finish	@ 85	*Not sold.*	*Not sold.*	*Not sold*
State, com. cargo rates (nom.)	@ 1 10	1 85 @ 2 00	1 85 @ 1 90	1 50 @ 2 25
State, finishing "	1 20 @ 1 25	@ 2 25	1 85 @ 1 90	1 75 @ 2 50
Plaster of Paris (calcined)	1 30 @ 1 35	25 @ 30	20 @ 25	20 @ 25
" (casting)	12 @ 15	@ 30	30 @ 35	30 @ 35
Hair (Cattle) ₱ *bush*	22 @ 25	1 75 @ 1 90	@ 60	@ 1 50
" (Goat)	1 00 @ 1 25			
Sand, ₱ *load*		@ 60		55 @ 65
STONE. (₱ *cubic foot, rough.*)		95 @ 1 00		75 @ 90
Granite: (*Maine*)	45 @ 1 25		50 @	Richmond
Limestone:	@ 1 00		35 @ 55	75 @ 1 50
Bedford	@		35 @ 60	4 50 ₱ Perch
Joliet	@		@ 1 00	
Lemont	@			
Serpentine		10 50 per ton		

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BUILDING MATERIALS.	New York. (Wholesale Prices.)	Boston. (Prices to Builders and Contractors.)	Chicago.	Philadelphia.
Mortar Colors.				
Black, brown, buff ℔ lb	@ 2½			
Colorific ℔ lb	@ 2½			
Red	@ 3			
White ℔ bbl	@ 1 75			
Foundation:				
Dimension	@	5 00 ℔ ton	20@	@ 5 00
Block	@	4 60 ℔ perch		Conshocken
Rubble	@	1 25 @ 1 50	8 50 @	1 45 @ 2 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		95 @ 1 16
Kibbe	@ 90	90 @ 1 10		
Brown (Connecticut)	1 00 @	1 25 @ 1 45	1 50 ℔ cub. ft.	1 05 @ 1 35
Amherst } Ohio	90 @ 95	90 @ 1 00	45 @ 50	
Berea } Ohio	75 @ 1 00	85 @ 90	45 @ 55	55 @ 1 00
Berlin } Ohio	75 @ 1 00	80 @ 90	55 @ 65	
Belleville	80 @ 1 25	1 25 @ 1 35	@ 1 25	1 10 @ 1
New Brunswick (Dorchester)	@ 1 00	75 @ 90	"	1 00 @ 1
Caen	@	@ 2 00	"	1 25 @ 1
Carlisle. English	@ 1 05	@ 1 05		95 @ 1
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	350 @ 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	7 50 @ 10 25
" black, Lehigh	4 25 @ 4 75	@	6 25 @ 6 85	3 25 @ 4 00
" " Chapmans	@	@	7 30 @ 8 00	4 00 @ 4 65
" Unfading Black, Monson, Me.	5 50 @ 8 00	5 50 @ 8 0	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 @ 7½	@ 7½	6½ @ 7	@ 7
" Zinc, "	5 @ 8½	@ 8	7 @ 10½	@ 7
Red lead, Am.,	6½ @ 7	@ 7½	6½ @ 7	@ 7
" Venetian	6 @ 10½	7 @ 12	1½ @ 2½	dry Eng. @ 8
" Vermilion	65 @ 70	72 @ 75 dry	65 @ 68	Eng. @ 66
Red Indian, Eng.	12 @ 20	12 @ 20	12 @ 20	6½ @ 7
Yellow Ochre	6 @ 15	7 @ 12	3 @ 15	dry Am. @ 1½
" Chrome	12 @ 20	18 @ 25	15 @ 25	@ 18
Green (chrome)	8 @ 13	8 @ 20	8 @ 20	@ 12
Green, Paris,	25 @ 40	25 @ 40	18 @ 35	" 20 @ 25
Black, lamp,	15 @ 25	15 @ 25	8 @ 30	@ 12
Blue, ultramarine	12 @ 18	18 @ 30	12 @ 35	@ 20
Oil, linseed, (raw) (℔ gal.)	59 @ 62	59 @ 60	57 @ 60	@ 58
" " boiled (℔ gal.)	62 @ 65	62 @ 63	60 @ 63	@ 61
Turpentine (℔ gal.)	41 @ 42	@ 46	51 @ 51	@ 50
Varnish, coach (℔ gal.)	@	1 50 @ 6 00	1 25 @ 2 00	@ 3 00
Shellac (℔ gal.)	@	2 50 @ 3 00	2 25 @ 4 00	@ 2 75
Putty (Dry.)	2 @	2 @ 4	02½ @ 02½	@ 2
Whiting (Dry.)	75 @ 1 00	1 @ 1½	1 @ 1½	@ 1
Paris white, (Eng.) (Dry.)	1 30 @ 2 00	2 @ 3	1½ @ 2	@ 1½
Litharge, Am. (Dry.)	5½ @ 6	@ 7½	6½ @ 7	@ 7
Sienna (burnt) (Dry.)	14 @ 20	14 @ 20	4 @ 16	@ 14
Umber (Dry.)	14 @ 20	14 @ 20	2 @ 10	@ 12
HARDWARE.				
Nails: (Per Cask.) Spikes, (wrought.)	@ 2 85		2 75 @ 3 00	pr kg @ 2 25
10d. common	@ 2 60	@ 2 20	@ 2 35	@ 2 30
Shingle	@ 3 35	@ 2 30	@ 2 75	@ 2 60
Lath	@ 4 85	@ 3 5	@ 3 65	3 60 @ 4 75
Finishing nails according to size.			Add .85 to $1.15	per ℔ 4 @ 6
(*For casing nails add 75c. per keg.*)			" .50 to .90	Add pr cask
Butts: 4" x 4" (℔ 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 ℔ 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; (℔ Set.)				
Mineral, best	@ 8	@ 8	8 @ 10	@ 08
Lava	@ 50	@ 75	65 @ 80	*Not sold.*
Hemscite	*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 @ 16	13½ @ 16
Sheet Lead		@ 7½	7	@ 6½
Lead Pipe		@ 7	6½	6 @ 6
Iron:				
I-Beams, up to and including 30 ft.	3 3-10 @ 3½	@ 3 1-10	@	@ 2 8-10
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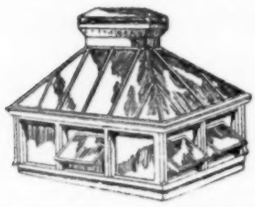

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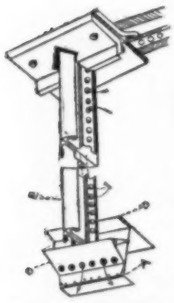

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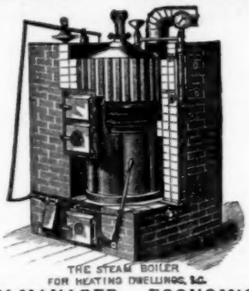

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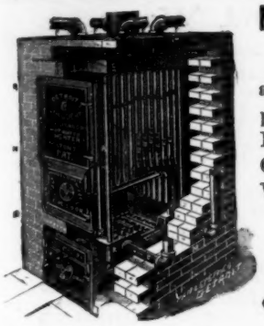

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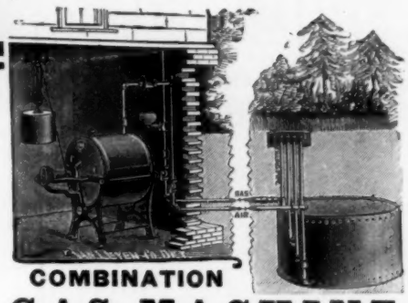

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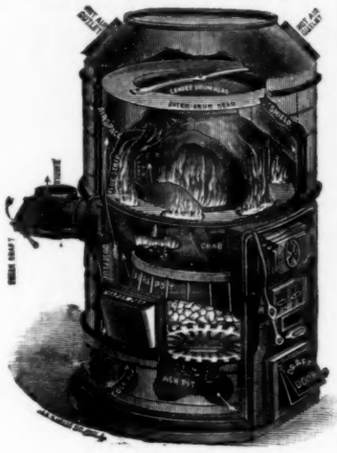

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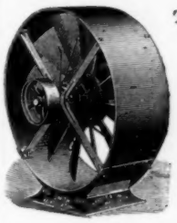

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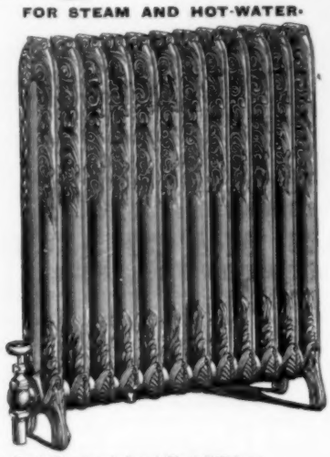

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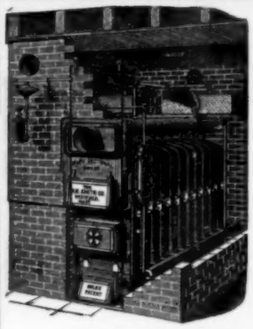

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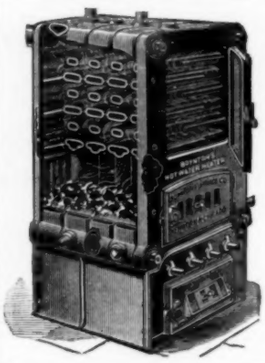

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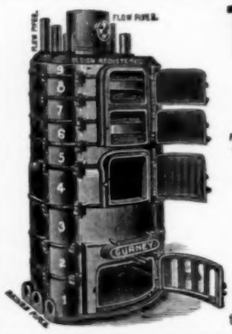

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ABUSES

IN THE

Roofing-Plate Trade.

[From "The Manufacturer and Builder," July, 1890.]

ARCHITECTS AND BUILDERS who are required in their professional work and business to contract for large quantities of roofing plates, need to be placed on their guard against certain practices, which, it is alleged on good authority, are systematically carried on, by which inferior qualities of such plates are deliberately substituted in place of the better grades, to the great injury of the purchaser, and to the corresponding profit of the dishonest dealer. That an old and reputable firm of importers should descend to deliberate dishonesty in the race of competition with business rivals, is so improbable, that, were not the allegations of fraud made in the most positive terms by a reputable journal devoted specially to this trade, and reinforced by a declaration of willingness to present the proofs, they would scarcely be credible.

To understand how it is possible for such practices to be carried on, and, in many cases, with comparative impunity, it will be necessary to make some preliminary explanations.

As is well-known, all the tin plate used in this country, is imported, principally from Wales, the great seat of this ancient industry. All the leading manufacturers there have their representative houses in the United States, that handle their product, and the importer relies implicitly upon the foreign manufacturer to send him just what is ordered, and any attempt on the part of the latter to foist an inferior grade upon the importer would at once be detected, since the importer is the sole judge of the quality. It is, therefore, to the interest of the foreign manufacturer to exercise the most scrupulous fairness in the branding of his plates. This is particularly the case with imperfect plates, which are separately boxed and branded with the word "wasters," or the letter W; and any omission to do this would prove ruinous to the manufacturer, knowing which, it is scarcely necessary to say the latter do not venture to do it.

It appears that about 10 per cent of all the roofing plates sent to this country are of the kind known as "wasters," or imperfect plates, boxed separately, and branded as such, as above described. They are not worth as much as the perfect plates, or "primes" of the same grade, selling for 50 cents to $2 per box less than these. They are used largely for inside work, for which they answer quite as well as the best; but they are not fit to be used for roofing, since, when used in such exposed situations, they will last only a few years. It is affirmed, however, that many imperfect plates are used by roofers by selecting such as have only trifling defects, substitute them for "primes;" and these, when laid on a roof and covered with paint, cannot be detected until a season or two of wear develops their inferiority. There is no justification for this scamping; but the importer who would deliberately sort out the best sheets from a box of "wasters," and label them "primes," would be far more deserving of discredit. Yet this is what is alleged against at least one prominent house of importers, and it is easy to see that such dishonest practices place at a very great disadvantage the honorable importer who honestly guarantees the quality of his plates. The journal to which we have referred as fathering the accusation herein stated, declares that while competition in roofing plates is very keen, it has always been fairly conducted in this city, but that this cannot be said of Philadelphia. We reproduce in the following statement of charges made, our authority for the same being the *Roofer, Tinner & Sheet-Iron Worker*:

"It is easy to understand that where two firms, competing for a contract to furnish the same grade and quality of tin, have a margin between cost and market price of, say 50 cents per box, if one of these firms puts in a lower grade, stamped as a higher grade, or 'wasters,' with the word 'waster' erased, as primes, it obtains a leeway of from 50 cents to $2 a box, and fair competition ceases.

"All tin plate is supposed to come here assorted, and if stamped, stamped on the other side of the Atlantic. We have lately come in possession of information which leads us to believe that terne plates are stamped by a Philadelphia firm of a better brand and grade than they are, and that, to defeat fair competition. When it is well-known that 'wasters' of one of the best grades of terne plate are sold in this market for $2 a box less than the prime plates of the same brand, it is also clear that if these 'wasters' can be sold as prime plates there is a large profit to be made, or this profit can well be reduced in competition with an honest brand, and thus a large contract is secured at a still handsome profit. One firm has been importing a hand-dipped plate not stamped, offered in the market at about $14.50 per box, but which when stamped with a better brand, usually sold at about $17, can be sold at an immense profit at a price far below that of the better brand with which it is misleadingly stamped, and yet above the market price of the quality of plate which it really is. It is well-known to the trade that no terne plate can now be sold at $14.50 without the stamp of some well-known brand. We are prepared to prove that this firm to which we refer, who have an old-fashioned hand-dipped plate, which is a good quality, have for the purpose of defeating competition where other plates have been specified, stamped not only the 'wasters' of their old-fashioned plate, but the 'wasters' of a much cheaper grade than their best grade, and sold, billed and delivered the same as prime best grade plates. It is well also to remember that this house guarantees (?) such plate bearing the bogus stamp as better than anything imported, and as their own best grade, which shows their willingness, for the sake of gain, to smirch the reputation of their best grade and the value of their guarantee. We have also positive proof that this concern has had the 'wasters' of the old standard 'M. F.' brand assorted to such an extent that they have sold about one-quarter of such stamped 'wasters' as prime plates. Not long since this firm took a contract for a large amount of roofing plates at a sum greatly below other bidders, and their brand was in competition with two other brands. The plates with bogus brands were partially delivered to the roofer in wagon loads of loose sheets, which at once caused suspicion, the trade being well aware that the boxes are iron strapped and most difficult to break under ordinary circumstances. The two brands in competition are sold at considerably less than the old-fashioned kind, but, so as to defeat competition, a cheaper plate had to be stamped as the best grade 'old-fashioned.' It can be proved that the 'wasters' of this and other and lower grades of plates were stamped 'old-fashioned,' and delivered as such, though they were not the prime 'old-fashioned' grade in quality. The genuine 'old-fashioned' I. C. 20 by 28, commands now about $17 per box, and when a reduction of fifty cents is considered a big difference, it can readily be seen that some other grade and brand than this 'old-fashioned' must have been delivered to compete with a lower-priced brand. We will now add that we have incontestible proof that clerks and porters of the firm to which we refer have been instructed by members of the firm to re-assort various grades and qualities of both bright and roofing plates for the purpose of picking out from the 'waster' plates such sheets as would pass as prime plates, and these 'waster' sheets so raised to 'prime' packed in boxes with the term 'waster,' or 'W,' erased from the box, were re-piled into stock as 'prime' plates, and they were added to the stock-sheet as prime plates, and deducted from the stock-sheet as 'wasters.'

"We can further prove that these specific plates so raised from 'wasters' to 'prime,' were loaded on wagons and shipped to customers as 'prime' plates, and were so charged and billed. We can also prove that this same metamorphosing of picked-out 'wasters' to 'primes' was done with their highest-price plates, and that the same process was gone through with 'E. C. C.' 'Calland' and 'Melyn' plates. We have incontestable proof that I. C. 20 x 28 of a certain brand of terne 'wasters' were picked over, the best sheets packed back in boxes, and the maker's stencil or burnt-mark, 'W,' erased, so that these picked 'wasters' could be, and were, added to the stock-sheet as 'prime plates.' In one instance in particular, for a large shipment of some carloads, the best sheets from at least twenty-five boxes of 'wasters' of an inferior brand, and twenty-five boxes of 'wasters' of the best brand, were picked out, and the whole fifty boxes of such picked 'wasters' were stamped as the best brand and shipped as such in this lot. In every instance, our evidence shows that this questionable work was done under the specific instruction, and with the full knowledge of, and for the increased profits of, the firm."

From the foregoing very specific charges, it will appear that architects, builders and the roofing trade will need to be particularly careful in their contracts and purchases, to so specify the quality of the plates that fraudulent substitution of inferior grades will be made too hazardous for the unscrupulous dealer to take the risk of exposure and punishment. Such dishonesty, furthermore, in addition to the injury it imposes upon purchasers, affects quite as seriously the honorable dealer whose guarantee of the quality of his plates is made in good faith.

The exposure of this fraud does credit to the enterprise of our contemporary, and enables us to appreciate the comment made upon it by the head of the house of Merchant & Co., which has persistently striven to elevate the tin roofing trade, by the most ample guarantees of the quality of their products — namely: "You can now fully understand what trade we and others have lost by the dishonest competition we have to meet with."

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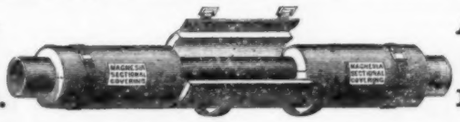

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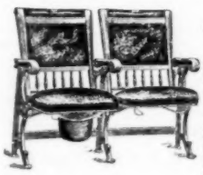

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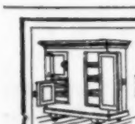

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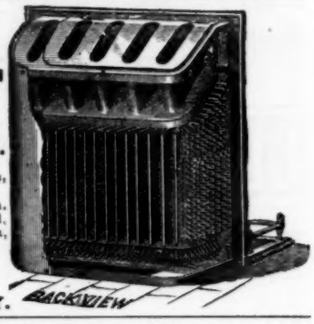

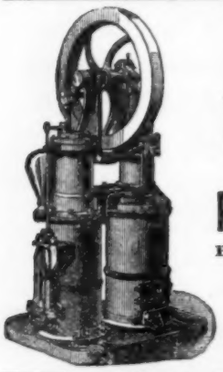

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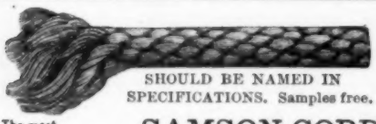

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POINTS ON VARNISH.

NO. 58.—THE DIFFICULTIES IN THE WAY—THE ARCHITECTS.

Last week we spoke of the troubles which beset the varnish-maker. The Architect has his, and of a totally different sort. It has been difficult for him until now to know much about the different varnishes; it has not been easy for him to ascertain just what varnish was best for him to use, and when he has found this out it has been even more difficult for him to find out who makes it, and who can be relied upon to furnish it uniformly.

All varnish-makers claim to make it, and they are many and how is he to know the one for whom he looks? How can he find the names of those who think more of their reputation than they do of the profit on a sale? How can he tell who has the facilities to make and to store and the experience to make right? And yet, he ought in some way to possess himself of this knowledge or how can he specify with confidence?

But only half of his troubles are here. When he finds a varnish maker who will give him the varnish he wants, he must then get his painter to buy it and use it properly; and painters have so long been accustomed to think that anything that would dry and shine was good enough, and that after all there is n't very much difference in quality; that he is not likely—if left to himself—to use a varnish which cost twice as much as what he has been accustomed to. Nor does he forget that almost any varnish if properly applied, looks well when it is done; and that neither the Architect nor the varnish-maker nor the owner will know what quality he has used until a few months shall determine whether it be good or poor.

This habit of the painters to use cheap varnish and reduce the body of all varnishes is the most difficult we have to overcome and our experience is that the Architects find quite as much trouble in securing the support they ought to have from their painters as the varnish-maker does.

All the more reason, however, for watchfulness.

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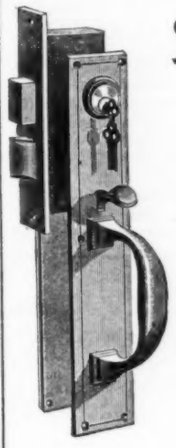

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New Advertisements.

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BUILDING INTELLIGENCE.

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[*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.

Boston, Mass. — *Morton St., No.* 12, Ward 7, alter first floor of dwell. for store purposes; owner, I. Bornstein; builder, B. T. Warren.

Milk St., cor. Batterymarch St., Ward 6, repair damage by fire; owner, Geo. O. Carpenter; builder, J. J. Shaw.

Brooklyn, N. Y. — *Washington Ave., No.* 452, two-st'y and basement brick dwell., tin roof; addition and internal alterations made; cost, $10,000; owner, J. A. Wisner, 452 Washington Ave.; architect, Montrose W. Morris, 45 Exchange Place.

APARTMENT-HOUSES.

Chicago, Ill. — H. McCormick, two-st'y flat, Winter and Fiftieth Sts.; cost, $2,000.

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Chapman Bros., 3 two-st'y flats, 222-226 Campbell Ave.; cost; $10,000.

Mary Rocnavski, three-st'y flat, 735 West Seventeenth St.; cost, $2,700.

Mrs. Anna McNulty, two-st'y flats, 270 Maxwell St.; cost, $4,000.

F. Wornstadt, 2 two-st'y flat, 629-633 North Western Ave.; cost, $5,000.

Charles Hied, two-st'y flat, 346 Dayton St.; cost, $3,500.

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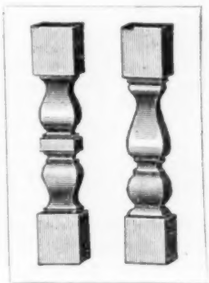

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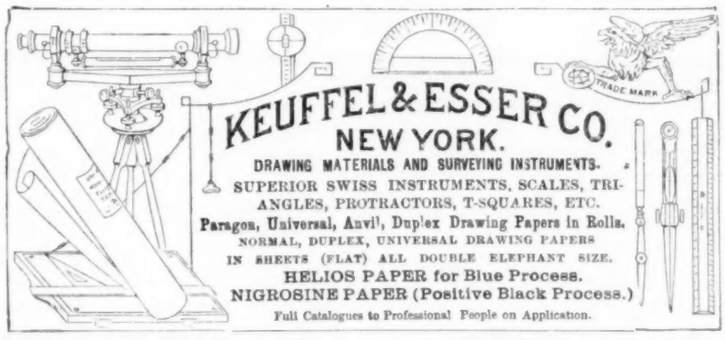

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Charles Guadt, two-st'y flat, 60 Jay St.; cost, $5,000.

Fred Kruger, two-st'y flats, 455 Dudley St.; cost, $2,400.

O. Swanson, 3 two-st'y flats, 320 Parmalee St.; cost, $3,500.

H. A. Cole, two-st'y flats, 1562 West Monroe St.; cost, $5,000.

Mrs. Catherine Hohn, three-st'y flats, 630 Washtenan St.; cost, $2,500.

Albert Koch, two-st'y flats, 623 Dania Ave.; cost, $2,200.

Emil Guosky, three-st'y flats, 538 Weiland St.; cost, $4,000.

John Peters, two-st'y flats, 163 Sacramento Ave.; cost, $3,500.

Matilda Sunberg, two-st'y flats, 442 Evans Ave.; cost, $4,000.

CHURCHES.

Baltimore, Md. — The Hebrews will build stone synagogue, n e cor. Madison Ave. and Robert St.; congregation of Faith Reformed Church will build edifice of brick, s w cor, Patterson Park Ave. and Gough St.; Riverside Baptist Congregation, church to cost abt. $10,000; Central Presbyterian Congregation, church to cost abt. $20,000.

Cincinnati, O.—St. Martin's Congregational Church, church, two-st'y, Hornton and Safin Sts.; cost, $11,-025; architects, Kuckretz & Pheiffer.

FACTORIES.

Cincinnati, O. — Illinois Leather Co., two-st'y hair factory, Liberty and Dalton Sts.; cost, $8,000; architects, Kuckritz & Pfeiffer.

HOTELS.

Cincinnati, O. — Carlisle Estate, seven-st'y hotel, Fourth St. near Race St.; cost, $50,000; architects, H. E. Siter and Mr. Nash.

HOUSES.

Baltimore, Md.—Jno. W. Hoffacker, 20 two-st'y brick buildings and 2 three-st'y brick buildings, w s Bond St., bet. Federal and Lanvale Sts.

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Riverdale St., near Western Ave., Ward 25, frame dwell., 30′ x 32′; owner, Henry Fors; builder, O. M. Cutler.

Bicknell St., near White St., Ward 24, frame dwell., 28.10′ x 38.8′; owner, G. S. Balch.

Cohasett St., near South St., Ward 23, frame dwell., 18′ x 33′; owner, Eugene Reistle; builders, Lemmler & Wagner.

BUILDING INTELLIGENCE.

Hyde Park Ave., near Mt. Hope St., Ward 23, frame dwell., 24.8′ x 43.2′; owner, William J. Dooley; builder, John Mahan.

East Third St., No. 645, Ward 14, two-st'y frame dwell., 24′ x 65′; owner, Otis D. Dana; builders, Holbrook & Harlow.

Grove St., No. 2, Ward 23, frame dwell., 27′ x 34′; owner and builder, Joseph Kern.

Eagle St., No. 252, Ward 1, three-st'y frame dwell., flat roof, 22′ x 55′; owner, John Tyrer; builder, Wilbur Goodwin.

Western Ave., No. 460, Ward 25, frame dwell., 24′ 26′; owner, John Johnson; builder, H. R. Ruggles.

Rill St., No. 34, Ward 24, two-st'y frame dwell., mansard roof, 26′ x 38′; owner, W. A. Spooner; builder, W. J. Jobling.

Hazlewood St., No. 11, Ward 21, frame dwell., 33′ x 40′; owner, Emma V. Kramer; builder, J. W. Cookson.

Coffee St., near Newhall St., Ward 24, one-st'y frame dwell., 20′ x 26′; owner, G. Kingston; builder, J. E. Legee.

Maxwell St., near Capen St., Ward 24, frame dwell., 24′ x 27′; owner, Elmira E. Gibson; builder, D. M. Gibson.

Dorchester Ave., Nos. 1069 *to* 1075, Ward 24, 2 two-st'y frame dwells.; flat roofs, 27′ x 58′; owner, Sampson Tentler; builder, J. A. Daunt.

Green St., No. 196, Ward 23, three-st'y frame dwell., pitch roof, 26′ x 49′; owner, Eugene Jackson; builders, Sittig Bros.

Ashmont St., near Ocean St., Ward 24, frame dwell., 27′ x 31.6′; owner, C. N. Mellin; builder, H. H. De Lorie.

Lawrence Ave., No. 29, Ward 24, frame dwell., 30′ x 39.6′; owner, Wm. Phipps; builder, J. A. Kellas.

Beech St., near Kittredge St., Ward 23, frame dwell., 24′ x 40′; owner, Conrad Young; builder, A. Sontag.

South St., No. 72, Ward 23, frame dwell., 26′ x 47.6′; owner, M. J. Deveney; builders, McNeil & McLean.

Burnett St., near Washington St., Ward 23, frame dwell., 27′ x 43.4′; owner and builder, Thomas A. Ross.

Commercial St., No. 566, Ward 24, two-st'y frame dwell., flat roof, 22′ x 38′; owner and builder, M. J. Lewis.

Perkins St., near Canterbury St., Ward 23, frame dwell., 22′ x 28′; owner, M. J. Connolly; builder, T. M. Brown.

Surrey St., near Parsons St., Ward 25, frame dwell., 25′ x 33′; owner, G. Wilson; builder, C. A. Prouty.

Prospect St., No. 13, *rear*, Ward 3, 2 three-st'y frame dwells., flat roofs, 21.6′ x 65′; owner and builder, William Sullivan.

Ashmont St., near Ocean St., Ward 24, frame dwell., 23 x 39′; owner, C. N. Mellin; builder, H. H. De Lorie.

Unnamed St., off Tolman St., Ward 24, frame dwell., 28′ x 32′; owner, James Hayes; builder, E. Ramsdell.

Harlow St., No. 16, Ward 20, three-st'y frame dwell., flat roof, 21′ x 52′; owner and builder, A. Ripley.

Bower St., Nos. 22-24, Ward 21, 2 three-st'y frame dwells., flat roofs, 23′ x 48′; owner and builder, H. J. Wright.

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Columbia St., Nos. 158-160, Ward 24, two frame dwells., 27′ x 49.6′; owners, A. G. Pray & H. Lana; builder, John Bess.

Parley Ave., near Rockview St., Ward 23, one-st'y frame dwell., 27.6′ x 51′; owner, W. H. Hall; builder, J. H. Kellar.

Quincy St., near Columbia St., Ward 24, frame dwell., 31′ x 36′; owner, C. D. Bradbury, Jr.; builder, E. W. Chandler.

Walnut Ave., No. 287, Ward 21, frame dwell., 38′ 51′; owner, R. M. Goode; builder, T. T. Milne.

Wardsworth St., near Pope St., Ward 1, frame dwell., 21′ x 46′; owner, Patrick Anderson.

Leeds St., near Dorchester Ave., Ward 24, three-st'y frame dwell., flat roof, 23′ x 43′; owner, Elmer E. Shepard; builder, H. J. McNabb.

Judson St., near Cottage St., Ward 20, frame dwell., 14′ x 40′; owner, Charlotte M. Henderson; builder, W. M. Henderson.

Saratoga St., No. 462, Ward 1, three-st'y frame dwell., flat roof, 21′ x 56′; owner, George Corlin; builders, Hatt & Rogers.

Kensington St., near Elmore St., Ward 21, three-st'y frame dwell., pitch roof, 26′ x 54′; owner, Bernard Fay; builder, A. Geldert.

Milton Ave., No. 93, cor. Maxwell St., Ward 24, frame dwell., 32′ x 52′; owner, W. J. Livermore; builder, Russell Park.

Ballou Ave., near Jones Ave., Ward 24, frame dwell., 21′ x 28′; owner, Margaret McLaughlin; builder, Wm. McLaughlin.

Brookline, Mass. — *Vernon St.*, off Harvard St., frame dwell.; cost, abt. $8,000; owner, W. R. Boynton; contract to be let; architect, Tristram Griffin, Boston.

BUILDING INTELLIGENCE.

Brooklyn, N. Y.—*Jefferson Ave.*, s s, 95′ e Stuyvesant Ave., 4 two-st'y brick dwells., tin roofs; cost, $4,900 each; owners, Lambert & Mason, 684 Peterson Ave.; architects, J. D. Reynolds & Son, 363 Fulton St.

Floyd St., s s, 300′ e Throop Ave., three-st'y frame dwell., tin roof; cost, $6,200; owner, George C. Bennett, 1090 Gates Ave.; architect, A. D. Vreeland, 550 Evergreen Ave.

Dean St., n s, 150′ w Sixth Ave., four-st'y brick dwell., tin roof; cost, $8,000; owners, Julia A. Feeney and others, 377 Sackett St.; architect, T. F. Houghton, 340 Fulton St.

Jefferson Ave., n s, 95′ w Stuyvesant Ave., 4 three-st'y brick dwells., tin roofs; cost, $6,000 each; owner, Wesley E. Bush, 137 St. Mark's Ave.; architect, John E. Dwyer, 1540 Broadway.

Dean St., s s, 400′ e Nostrand Ave.; 5 three-st'y brick dwells., tin and slate roofs; cost, $7,000 each; owner, C. J. Hastings, 1076 Bergen St.; architect, Wm. A. Burhaus, 1055 Bedford Ave.

St. Mark's Ave., n s, 100′ e Rogers Ave., three-st'y brick dwell., tin roof; cost, $6,500; owner, Bernard Fowler, Bedford and Fulton Aves.; architect, Geo. P. Chappell, 24 State St., N. Y.

Union St., n s, 100′ w Eighth Ave.; 5 five-st'y brick dwells., gravel roofs; cost, $14,000; owner and architect, Ervin G. Gollner, 308 Sixth St.

Eastern Parkway, n s, 210′ w Troy Ave., two-st'y frame dwell., shingle roof; cost, $9,250; owner, John W. Block, 9 Maiden Lane, N. Y.; architects, Parfitt Bros., Garfield Building, Brooklyn.

Madison St., s s, 90′ w Hamburg Ave., 4 two-st'y frame dwells., tin roofs; cost, $3,800 each; owner, E. F. Wildmer, 1013 Halsey St.; architect, Th. Englehardt, 905 Broadway.

Saratoga Ave., w s, 20′ n Atlantic Ave., three-st'y frame dwell., tin roof; cost, $5,650; owner, Conrad Roettinger, 1526 Dean St.; architect, Chas. Infanger, 68 Van Siclen Ave.

Eastern Parkway, n s, 160′ w Troy Ave., two-st'y frame dwell., shingle roof; cost, $9,000; owner, Wesley S. Block, 9 Maiden Lane, N. Y.; architects, Parfitt Bros., Garfield Building, Brooklyn.

Ashford St., e s, 225′ n Arlington Ave., two-st'y frame dwell., shingle roof; cost, 3,274; owner, Anna M. Black, 128 Cambridge Pl.; architect, Chas. Infanger, 68 Van Siclen Ave.

Siegel St., Nos. 74 and 76, 2 three-st'y frame dwells., tin roofs; cost, $2,800 each; owner, Mr. Simon, 35 East Broadway; architect, Henry Vollweiler, 14 Elm St.

Lafayette Ave., n s, 315′ e Marcy Ave., three-st'y brick dwell., tin roof; cost, $10,000; owner, M. Albert Scull, 223 South Ninth St.; architect, L. C. Holden, 2 West Fourteenth St., N. Y.

North Eighth St., s w, 75′ w Berry St., four-st'y brick dwell., tin roof; cost, $9,000; owner, Ed. Scott; architect, N. Herbert, 145 Broadway.

Jefferson Ave., n s, 174′ w Stuyvesant Ave., 4 two-and-a-half-st'y brick dwells., tin roofs; cost, $5,000 each; owner, Wesley E. Bush, 137 St. Mark's Ave.; architect, John E. Dwyer, 1540 Broadway.

Carroll St., s s, 151′ w of Sixth Ave., four-st'y brick dwells., tin roofs; cost, $5,500; owner, Chas. H. Ward, 856 Pacific St.; architect, Peter F. Delaney, 936 Pacific St.

Chicago, Ill.— Wisdom Bros., two-st'y dwell., Ada and Sixty-ninth Sts.; cost, $2,000.

Agner Bros., two-st'y dwell., 1250 Washington Bou.; cost, $7,000.

Louis Lange, three-st'y dwell., 925 Goodwin St.; cost, $5,000.

John Carleson, two-st'y dwell., 926 Otto St.; cost, $2,000.

Mary A. Walker, 4 three-st'y dwells, 3610-3616 Ellis Ave.; cost, $9,000.

A. Bergmier, 2 two-st'y dwells. and barn, 698-700 North Hoyne St.; cost, $12,000.

C. K. Offield; three-st'y dwell., 379 Ashland Ave.; cost, $10,000.

Emma B. Corneau, three-st'y dwell., 2934 Michigan Ave.; cost, $30,000.

H. Coombs, two-st'y dwell., 6821-6823 Winter St.; cost, $3,700.

E. C. Tiffan, three cottages, Aberdeen and Fifty-seventh Sts.; cost, $3,600.

J. L. Swan, 5 two-st'y dwells., Peoria and Fifty-sixth Sts.; cost, $12,000.

Cincinnati, O. — Mrs. G. A. Pollard, two-and-a-half-st'y dwell., Gilbert Ave.; cost, $2,700; architect, M. Rumbaugh.

Mrs. Ida Muller, two-and-a-half dwell., Kinsey & Burk Ave.; cost, $3,700; architect, Mr. Muller.

Jacob Miller, two-and-a-half-st'y dwell., Main and Eastern Ave.; cost, $3,000; architect, W. Leeds.

Gust & Bruhl, three-and-a-half-st'y dwell., Laurel St.; cost, $8,000; architect, Emil F. Baude.

Mr. Rothschild, two-and-a-half-st'y dwell., Wheeler and Werner Sts.; cost, $8,500; architects, G. & A. Brink.

F. Steinkamp, three-and-a-half-st'y dwell., Liberty St.; cost, $3,900; architects, G. & A. Brink.

Little Rock, Ark.—D. Reese, brick veneered dwell., cor. Fifteenth and Cumberland Sts.; cost, $7,000; architect, Fred. J. H. Rickon.

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BUILDING INTELLIGENCE.

H. P. Edmonson, frame dwell., Louisiana St., bet. Thirteenth and Fourteenth Sts.; cost, $2,500; architect, Fred. J. H. Rickon.

Philadelphia, Pa.—*Morris St.*, n s, e Jasper St., 7 two-st'y dwells.; owner, J. J. Torpey, 2402 North Sixth St.

North Sixth St., No. 2821, three-st'y dwell.: contractors, Quigley & Craig, 1404 North Front St.

Third St., e s, n Ontario St., 5 two-st'y dwells.; owner, M. H. Tuft, 2004 Westmoreland St.

Adaline St., n s, e Emerald St., 5 two-st'y dwells.; contractor, Jos. McNutt, 2320 Sepviva St.

East Chelten Ave., s s, e Chew St., three-st'y dwell.; contractor, W. Bowditch, 215 High St.

McKean St., s s, w Front St., 24 two-st'y dwells.; owner, J. J. Cassidy, Moyamensing Ave. and McKean St.

Reese St., w s, n Wolf St., 7 two-st'y dwells.; *Fairhill St.*, e and w s, n Wolf St., 10 two-st'y dwells.; owner, Wm. J. Ross, 1231 South Twenty-first St.

Wyalusing St., n s, e Fifty-third St., 4 two-st'y dwells.; contractor, R. C. Dothard, 5126 Master St.

Longshore Ave., n e cor. Vandyke St., three-st'y dwell.; owners, Keen & Frazer, Cramer Hill, N. J.

Hartville St., e s, n Cambria St., two-st'y dwell.; contractor, Benj. Hetzel, Old Front St., s Tioga St.

Washington St., s w cor. Torrisdale Ave., 2 three-st'y dwells.; owner, P. S. Costello, Tacony.

Dover St., e and w s, n Master St., 64 two-st'y dwells.; owner, W. T. B. Roberts, Twenty-ninth and Master Sts.

Hancock St., w s, n Berks St., three-st'y dwell.; contractor, Henry Gregor, 2769 Coral St.

Carlisle St., w s, s Dauphin St., two-st'y dwell.; contractor, H. G. Schultz, 2633 Germantown Ave.

Fulpehocken St., n s, e Anderson St., two-st'y dwell.; contractor, C. D. Lynch, East Washington Lane.

Jefferson St., n s, e Wood St., two-st'y dwell.; contractor, Samuel S. Green, 352 Martin St.

Krail St., n s, e Queen Lane, 4 three-st'y dwells.; owner, H. S. Beeker, 3537 Fairview St.

Howard St., e s, n Berks St., 14 two-st'y dwells.; contractor, Wm. Bartholomew, 143 West Norris St.

Hope St., w s, n Berks St., 17 two-st'y dwells.; contractor, Wm. Bartholomew, 143 West Norris St.

Diamond St., s s, e Twenty-ninth St., three-st'y dwell.; owner, L. R. Slifer, s e cor. Twenty-ninth and Diamond Sts.

Mount Vernon St., n s, e Twenty-second St., three-st'y dwell.; owner, D. F. Corney, 1937 Brandywine St.

I St., e s, s Bley St., three-st'y dwell ; owner, F. J. Schleet, Foxchase.

Allegheny Ave., s s, e Frankford Ave., two-st'y dwell.: contractor, B. Slavin, 3168 Amber St.

Philip St., e s, s Glenwood Ave., two-st'y dwell.; contractor, A. T. Wadsworth, 920 Somerset St.

Glenwood Ave. and Ontario St., n s, 49 two-st'y dwells.; owner, H. M. Zane, 806 Walnut St.

Garfield St., w s, n Germantown Ave., 2 two-st'y dwells.; contractor, H. O. Smith, 1605 Erie Ave.

Filbert St., s s, e Forty-first St., 7 two-st'y dwells.; owner, H. B. Addison, 535 Drexel Building.

Chelten Ave., n s, e Chew St., three-st'y dwell.; contractor, W. D. Greeves, 64 Coulter St.

BUILDING INTELLIGENCE.

Woodbine Ave., n Chew St., 8 two-st'y dwells.; contractor, W. D. Greeves, 64 Coulter St.

Somerton Pike, s Byberry Road, 2 two-st'y dwells.; contractor, Henry Stevens, Somerton, Ward 23.

Station 2, e Bound Brook R. R., two-st'y dwell.; owner, Wm. Rubeck, Somerton.

Luzerne St., s s, w Sixty-first St., 4 two-st'y dwells.; owner, Jos. Heaton, Marshall St., n Pike St.

Hancock St., e s, n Snyder Ave., 3 two-st'y dwells.; owner, R. Moffitt, 1926 East Second St.

Oxford St., No. 1400, four-st'y dwell.; contractor, Jos. J. Gallahur, 2415 Ridge Ave.

Seventeenth St., e s, n York St., 24 two-st'y dwells. and 6 three-st'y dwells.; owner, John Loughran, 2544 North Eighth St.

Courtland St., w A St., frame dwell.; contractor, Lewis C. Bitters, 2919 Poplar St.

Manayunk Ave., n s, e Penn St., 3 two-st'y dwells.; contractor, Frank Gillett, 4707 Smick St.

Brunner St., s s, w Wayne St., 6 two-st'y dwells.; owner, John Dear, 1912 Brunner St.

Dickinson St., s s, w Tenth St., 6 two-st'y dwells.; contractor, W. T. Albrecht.

Broad St., e s, s Fitzwater St., four-st'y dwell.; contractors, Beck & Conley, 1033 Race St.

Fifteenth St., e s, n Butler St., 4 two-st'y dwells.; contractor, H. A. Miller, 1525 Clearfield St.

Providence, R. I.—*Camp St.*, frame dwell.; cost, $4,500; owner, Juliette L. Seymour; builder, Robert Paterson.

Burnett St., two frame dwell; cost, $3,000 each; owner, Elton A. Cook; builders, Straight & Miner.

Tanner St., two frame dwells.; cost, $3,000 each; owner, Edward G. Burrows; builder, Bradford A. Mason.

Humboldt Ave , frame dwell.; cost, $5,000; owner, John M. Rounds; builders, Whitaker & Smith.

Parade St., frame dwell.; cost, $7,000; owner, Mrs. Edward R. Crowell.

Wood St., frame dwell.; owner, Thomas Sweeney.

Station St., three frame cottages; owner, Josephine H. White; builder, A. A. White.

Bolander St., frame dwell.; owner, Franklin P Capwell.

Pleasant St., frame dwell.; cost, $4,500; owner, George F. Glasse.

Wendell St., two frame dwells.; cost, each, $2,200; owners, Asa Messer heirs; builder, R. O. Whitney.

Summer St., frame dwell.; owner, William Sessions.

Stimson Ave., frame dwell.; cost, $5,000; owner, R. A. Robertson, Jr.

Hornbine St., frame dwell.; cost, $3,500; owner, John Baxter.

Douglas Ave., three-st'y frame dwell.; owner, John McHale, Jr.

Bogman St., two dwells.; cost, $1,500 and $3,000; owner, Lillian S. Jones.

Alumni Ave., frame dwell.; cost, $8,000; owner, Thomas Chase; builder, H. W. Goff.

Somerville, Mass.—*Otis St.*, frame dwell., with L, 12′ x 12′; owner and builder, A. F. Dickson.

Marion St., two frame dwells., each 22′ x 40′, with L's, 7′ x 13′; owner, H. C. Holt.

Francesco Ave., frame dwell., 24′ x 34′; owner and builder, Daniel E. Robbins.

BUILDING INTELLIGENCE.

Prospect St., two frame dwells., each 19′ x 32′; owner and builder, J. W. Connor.

Webster Ave., frame dwell., 19′ x 32′; owner and builder, J. W. Connor.

Highland Ave., frame dwell., 26′ x 32′, with L, 10′ x 21′; owner, Chas. K. Robertson; builder, Thos. F. Farrington.

Highland Ave., west of Lowell St., frame dwell., 21′ x 28′, with L, 15′ x 18′; owners and builders, Gould & Murray.

Central St., near Berkeley St., frame dwell., 24′ x 40′; owner, Elizabeth D. Sibley; builder, Chas. Cutter.

Francesco Ave., frame dwell., 28′ x 30′; owner and builder, J. H. Stevens.

Ames St., two frame dwells., 25′ x 27′, with L's, 10′ x 14′; owners and builders, S. & C. H. Williams.

Adrian St., frame dwell., flat roof, 22′ x 42′; owner, Manuel Jose Medina; builders, Mahoney & Dickey.

Rush St., No. 32, frame dwell., 33′ x 37′; owner, Mrs. Sadie M. Wiswell; builder, James Frazier.

Tufts St., No. 46, frame dwell., 20′ x 28′; owner and builder, Augustus C. White.

Arthur St., three frame dwells., each 22′ x 36′; owner and builder, John Stackpole.

Elm St., cor. Hancock St., frame dwell., 22′ x 29′, and stable; owner, Ida M. Bossey; builder, Wm. E. Jones.

Edmands St., two frame dwells., each 22′ x 32′; owner and builder, John Stackpole.

Frame dwell., 30′ x 45′; cost, abt. $5,000; owner, T. L. Mayo; contract to be let; architect, Tristram Griffin, Boston.

St. Louis, Mo.—Two-st'y brick dwell.; cost, $3,300; owner, Jacob Knopf; contractor, Ferd Knittel.

Two-st'y brick dwell; cost, $4,000; owner, C. W. McFarland; contractor, H. W. Boone.

Two-st'y brick dwell.; cost, $2,800; owner, Chas. Trawer; contractors, Scheffelin & Peterson.

Two three-st'y brick dwells.; cost, $5,000 each; owner, Mrs. Engelke; contractor, G. Neumeister.

Two-st'y frame dwell.; cost, $4,500; owner, Theo. De Forest; contractor, H. Brures.

Two-st'y frame dwell.; cost, $7,000; owner, C. S. Hallock; A. H. Kohlmeyer.

Two-st'y frame dwell.; cost, $3,800; owner, C. Rupprechter; contractor, C. Griesemer.

Two-st'y frame dwell.; cost, $4,000; owner and contractor, Wm. H. Frantz.

Two-st'y frame dwell.; cost, $3,000; owner, Jno. Okel; contractors, Nicholson Bros.

Two-st'y and mansard brick dwell.; cost, $4,700; owner, H. Kettman; contractor, C. Lingeman.

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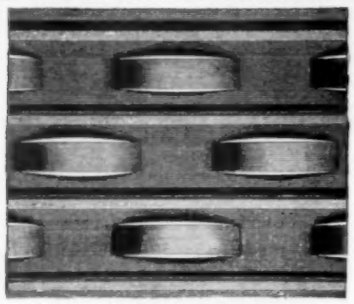

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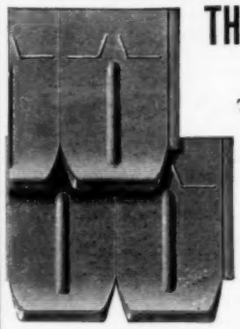

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Two-st'y brick dwell.; cost, $3,500; owner, E Logue; contractors, J. O. Reed & Co.

Two-st'y brick dwell.; cost, $5,000; owner, J. G. Brandt; contractors, T. H. Busey & Co.

Two-st'y brick dwell.; cost, $3,000; owner, C. Morrison; contractor, J. T. Smith.

Two-st'y brick dwell.; cost, $2,800; owner, E. L. Bergers; contractors, Hemminghaus & Vollmer.

Two-st'y brick dwell.; cost, $5,200; owner, L. A. Parker; contractor, A. Johnson.

Six two-st'y brick dwells.; cost, $2,500 each; owner and contractor, J. C. Newberry.

Two-st'y brick dwell.; cost, $4,500; owner, Wm. Johanningmeier; contractor, F. W. Giese.

Two-st'y brick dwell.; cost, $2,600; owner, Wm. Harnagel; contractor, C. Frieling.

Two-st'y frame dwell.; cost, $7,000; owner, P. A. Wilcox; contractor, E. Marlatt.

Two-st'y frame dwell.; cost, $9,000; owner, Mary Hausman; contractor, sub-let.

Two-st'y frame dwell.; cost, $3,500; owner, J. Lincoln; contractor, T. M. Dunn.

RAILROAD BUILDINGS.

Cincinnati, O.—C. H. & D. R. Co., one-st'y passenger station, C. H. & D. R. R. & Langland; cost, $5,000.

SCHOOL-HOUSES.

Boston, Mass.—*Seaver St.*, cor. Sumner St., Ward 2, two-st'y brick parochial school, pitch roof, 40′ x 120′; owner, J. J. Williams; builder, Hermann Drake.

Chicago, Ill.—German American Dental College, two-st'y college, 174 Ontario St.; cost, $2,500.

St. Vincent School, three-st'y school-house, 182-190 Osgood St.; cost, $18,000.

Malden, Mass.—*Franklin St.*, cor. Upham St., frame Primary school-house, 34′ x 72′, with projections, 10′ x 34′ on front and 20′ x 30′ on rear, four rooms; cost, abt. $11,000; architect, Tristram Griffin, Boston; builder, W. B. Stinson.

STABLES.

Boston, Mass.—*Middleton Ave., No.* 5, Ward 24, one-st'y frame stable, 15′ x 18′; owner and builder, W. O'Brien, Jr.

Fuller St., No. 24, *rear*, Ward 24, one-st'y frame stable, 21′ x 26′; owner and builder, J. Patterson.

Grainger St., near Elmore St., Ward 21, one-st'y frame stable, 20′ x 25′; owner and builder, J. J. Johnston.

Maverick St., rear, near Cottage St., Ward 2, frame stable, 22.6′ x 22.6′; owner and builder, James Gillespie.

STORES.

Brooklyn, N. Y.—*Third Ave.*, n cor Fifty-first St., four-st'y frame store and dwell., tin roof; cost, $7,000; owner, John E. Seeba, 501 Fulton St.; architects, H. L. Spicer & Son, Third Ave. and Fifty-third St.

Hamburg Ave., s s, 100′ e George St., three-st'y frame store and dwell., tin roof; cost, $4,200; owners, Joseph Brundenstein and wife, 18 Hamburg architect, E. Schrempf, 788 Myrtle Ave.

Central Ave., e s, 24′ n Cornelia St., 8 three-st'y brick stores and dwells., tin roofs; cost, $56,000; owner, Walter Hopkins, 776 Halsey St.; architect, Frank Holmburg, 1161 Broadway.

BUILDING INTELLIGENCE.

Third Ave., n w cor Fiftieth St. four-st'y frame store and dwell., tin roof; cost, $5,500; owner, Christopher Osterheld, 411 Bridge St.; architects, H. L. Spicer & Sons, Third Ave. and Fifty-third St.

Washington St., n e, cor Prospect St., five-st'y brick store and apartment house, tin roof; cost, $12,000; owner, E. G. Black, 71 Wall St., N. Y.; architect, W. M. Coots, 26 Court St., Brooklyn.

Bergen St., s w cor Ralph Ave., 2 three-st'y frame stores and dwells., tin roofs; cost, $4,000; owner, Claus Schildt, Ralph Ave. and Bergen St.; architect, Th. Engelhardt, 905 Broadway.

Bedford Ave., n w cor Gates Ave., four-st'y brick store and dwell., tin roof; cost, $14,000; owner, Daniel Winant, Bensonhurst, L. I.; architects, Amzi Hill & Son, 1161 Fulton St.

Bedford Ave., w s, 24′ 1″ n Gates Ave., 2 four-st'y brick stores and dwell., tin roofs; cost, $18,000; owner, Daniel Winant, Bensonhurst, L. I.; architects, Amzi Hill & Son, 1161 Fulton St.

Chicago, Ill.—Patrick Monihan, four-st'y store and flats, 265 Indiana Ave.; cost, $10,000.

Joseph Katrba, three-st'y store and flats, 174 West Nineteenth St.; cost, $7,000.

John McNulty, two-st'y store and flat, 3358 South Ashland Ave.; cost, $4,500.

Robert J. Walsh, three-st'y store and warehouse, 1-5 Emma St.; cost, $10,000.

BUILDING INTELLIGENCE.

James H. McGee, three-st'y store and flats, 713 Shober St.; cost, $3,000.

Mrs. C. T. Johnson, three-st'y store and flats, 4231 Cottage Grove Ave.; cost, $9,000.

Herman F. Ludgren, four-st'y store and flats, 267 Franklin St.; cost, $15,000.

P. Yamma, two-st'y store and flats, 1127 Hoyne Ave.; cost, $4,500.

Wacker & Birk Brewing Co., store and dwell., Clybourn Ave., near Dudley St.; cost, $2,500.

Wacker & Birk Brewing Co., store and dwell., Jane St. and Western Ave.; cost, $2,500.

Martin Olson, three-st'y store and flats, 308 West Erie St.; cost, $8,000.

Clark & Marston, 3 two-st'y stores and flats, Eighty-third St. and Grand Trunk Railroad; cost, $4,500.

Judge M. F. Tuley, 4 three-st'y stores and flats, 866-872 West Madison St.; cost, $25,000.

E. J. Monaghan, 9 four-st'y stores and flats, 203-207 Halsted St. and 194-202 Van Buren St.; cost, $80,000.

S. Kilen, three-st'y store and dwell., 552 Halsted St.; cost, $10,000.

Mrs. Marie Schuttler, 5 three-st'y stores and flats, 1552-1562 Milwaukee Ave.; cost, $56,000.

M. J. Lee, two-st'y store and dwell., 1334 West Huron St.; cost, $2,000.

V. Chawriat, four-st'y store and flats, 652 West Twelfth St.; cost, $5,500.

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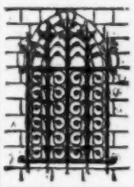

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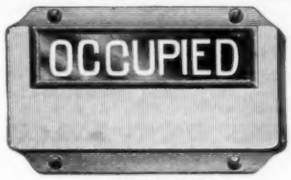

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Philadelphia, Pa. — *Girard Ave.*, n s, w Twenty-seventh St., three-st'y store and dwell.; contractor, Chas. Auchter, 1523 North Twenty-seventh St.

Seventeenth St., e s, n York St., 2 three-st'y stores and dwells.; owner, John Loughran, 2544 North Eighth St.

Juniata St., s s, w Wayne St., two-st'y store and dwell.; owner, John Priestley, 1809 Juniata St.

Twenty-first St., n w cor. Mountain St., two-st'y store; owner, Wm. Henderson, 1930 Ellsworth St.

Forty-fourth St., e s, n Lancaster Ave., two-st'y store and dwell.; contractor, Wm. Bunch, Jr., 422 North Forty-first St.

Cambria St., cor. Tusculum St., two-st'y store; owner, D. M. Collamer, n e cor. Thirteenth and Butler Sts.

Germantown Ave., w s, e Tioga St., three-st'y store and dwell.; contractor, H. A. Miller, 1505 Clearfield St.

Howard St., e s, n Berks St., two-st'y store and dwell.; contractor, Wm. Bartholomew, 143 West Norris St.

Hope St., w s, n Berks St. two-st'y store and dwell.; contractor, Wm. Bartholomew, 143 West Norris St.

Glenwood Ave., e s, n Ontario St., three-st'y store and dwell. and two-st'y stable; owner, A. M. Zane, 806 Walnut St.

TENEMENT-HOUSES.

Boston, Mass.—*Lynde St.*, near Austin St., Ward 3 three-st'y frame tenement, flat roof, 20' x 35'; owner, W. J. McKenna; builder, W. Mahoney.

Bowen St., No. 146, near D St., Ward 13, three-st'y frame tenement, flat roof, 20' x 35'; owner and builder, Thomas Howard.

Westminster St., cor. Williams St., Ward 19, four-st'y brick tenement, flat roof, 22.6' x 67.6'; owner and builder, Ira Bradley.

WAREHOUSES.

Chicago, Ill.—Moore Bros., three-st'y warehouse, 297-300 West Monroe St.; cost, $2,400.

Cincinnati, O. — Clifton Springs Dis. Co. three and five-st'y warehouse, Miami Canal and Dodsworth Sts.; cost, $10,000; architect, O. H. Meyers.

MISCELLANEOUS.

Boston, Mass.—*Berkeley St.*, off St. James Ave., Ward 11, two-st'y brick mechanical building, pitch roof, 35' x 48'; owners, Old Col. R. R.

Paris St., near Meridian St., Ward 2, two-st'y brick engine and ladder-house, flat roof, 41' x 80'; owners, City of Boston; builder, J. H. Stevenson.

Chicago, Ill.—Scholinger & Grant, two-st'y gymnasium, Twenty-first St. and Indiana Ave.; cost, $5,000.

Griffen Wheel Foundry, one-st'y foundry, North California Ave., near Kinzie St.; cost, $25,000.

Daniel J. Riordan, foundation, Wabash Ave. and Forty-first St.; cost, $6,000.

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Cincinnati, O. — Tennesee Lumber Co., one-st'y saw-mill, Front St.; cost, $2,500; architect, Wm. Schubertt, Jr.

Philadelphia, Pa. — *Allen's Lane, rear*, Chestnut Hill, 2 four-st'y buildings; contractor, Chas. McCaul, 20 North Eleventh St.

Girard Ave., w s, n Palmer St., two-st'y back building; owners, Jas. McCauley & Sons, 1328 East Montgomery Ave.

Providence, R. I.—*Tulip and Richmond Sts.*, five-st'y business block; owner, Delphine J. Lanard.

Pitnam St., brick and frame business block; owners, Manville Manufacturing Co.

Westminster St., brick and stone banking-building for R. I. Hospital Trust Co.; cost, $100,000; architect, R. W. Gibson; builders, Darling Bros.

PROPOSALS.

DAM.

[Near Austin, Tex.]
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The City of Austin, Tex., will receive bids **until 12 o'clock, noon, of October 15, 1890,** for the con-

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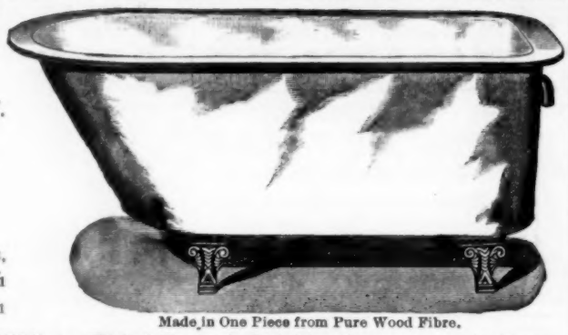

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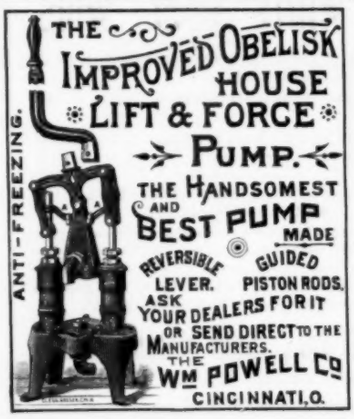

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766 JOHN McDONALD, Mayor.

COURT-HOUSE. [At Tacoma, Wash.]

Sealed proposals will be received at the office of the undersigned until **12 o'clock, noon, on the 28th day of August, 1890,** for the several works required in the erection and completion of a stone and brick Court-House for Pierce County, State of Washington, to be built in the city of Tacoma.

Plans and specifications may be seen on and after the 28th day of July, 1890.

A certified check of the value of eight per cent of bid must accompany each bid as a guaranty that the bidder will enter into a contract if his bid is accepted.

A satisfactory bond will be required of the successful bidder.

The right to reject any and all proposals is reserved.

Plans, specifications and all information obtained from PROCTOR & DENNIS, Architects, 600-1-2 Washington Block, Tacoma, State of Washington.

765

LUMBER, ETC. [At League Island Navy Yard.]

July 19, 1890.

Sealed proposals, endorsed "Proposals for Lumber, etc., for the League Island Navy Yard, to be opened August 12, 1890," will be received at the Bureau of Provisions and Clothing, Navy Department, Washington, D. C., **until 12 o'clock, noon, August 12, 1890,** and publicly opened immediately thereafter, to furnish at the League Island Navy Yard a quantity of material, consisting of bolts, yellow pine, spruce piles, etc.

The articles must in all cases conform to the Navy standard and pass the usual naval inspection.

Blank proposals will be furnished upon application to the commandant of the Navy Yard, the Navy Pay Office, Philadelphia, or to the Bureau.

Tie-bids, all other things being equal, decided by lot.

The Department reserves the right to waive defects or to reject any or all bids not deemed advantageous to the Government.

EDWIN STEWART,
764 Paymaster-General, U. S. Navy.

August 2, 1890. 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 28th day of August, 1890, for all the labor and materials required in the erection and completion of the United States Court-House and Post-Office building at Opelousas, La. (except heating apparatus), 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 $500. The Department will reject all bids received after the time fixed for opening the same; also bids which do not strictly comply with all the requirements of this invitation. Proposals must be sealed and endorsed "Proposal for the Erection and Completion (except heating apparatus) of the United States Court-House and Post-Office building at Opelousas, La.," and addressed to JAMES H. WINDRIM, Supervising Architect. 764

July 31, 1890. 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 26th day of August, 1890, for all the labor and materials required for the marble work, etc., for the United States Court-House and Post-Office building at Pittsburgh, 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. Each bid must be accompanied by a certified check for $500. The Department will reject all bids received after the time fixed for opening the same; also bids which do not comply strictly with all the requirements of this invitation. Proposals must be sealed and endorsed "Proposal for the Marble Work for the United States Court-House and Post-Office building at Pittsburgh, Pa.," and addressed to JAMES H. WINDRIM, Supervising Architect. 764

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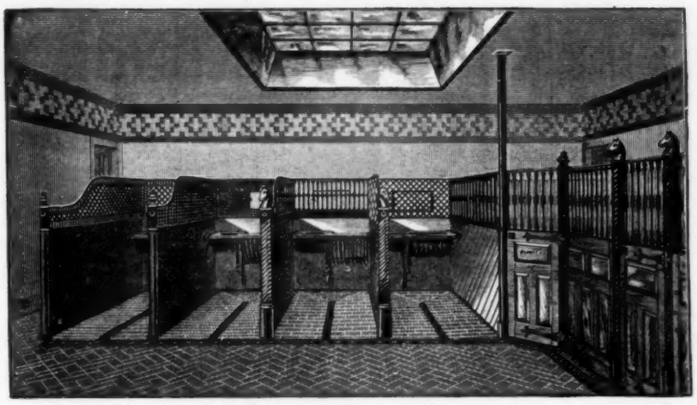

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[*See Alphabetical Index on page VII for Pagination.*]

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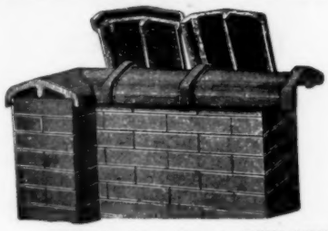

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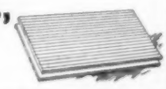

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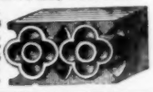

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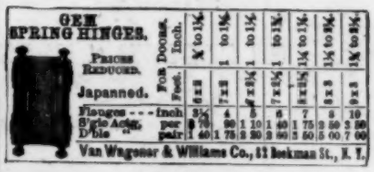

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Maple	45 00 @ 50 00	45 00 @ 50 00	18 00 @ 35 00	25 00 @ 55 00
Oak, red	@ 70 00	@ 50 00	32 00 @ 40 00	45 00 @ 55 00
" white	@ 70 00	50 00 @ 55 00	22 00 @ 40 00	45 00 @ 55 00
" quartered	@ 90 00	65 00 @ 80 00	45 00 @ 50 00	60 00 @ 75 00
Sycamore quartered		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 ₱ lb	@ 6		@ 7	
Spruce floors (clear, kiln-dried)		32 00 @ 35 00		
Walnut, black	125 00 @ 150 00	85 00 @ 120 00	55 00 @ 100 00	50 00 @ 170
Whitewood	45 00 @ 50 00	40 00 @ 45 00	18 00 @ 40 00	25 00 @ 40 00
Yellow pine ₱ M	@ 45 00	40 00 @ 42 00	29 00 @ 40 00	27 50 @ 45 00

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Common: *Cargo afloat.*				
Pale	2 50 @ 3 25	Eastern 9 00 @ 10 00	Building Brick @ 6 50	Sq. Hard @ 12
Jersey	4 00 @ 5 50	Bay State Hard 9 00 @ 10 00		" @ 9 00
Long Island	5 50 @ 6 00	Domestic Com. 9 50 @ 10 00	Indiana Pressed 14 00 @ 20 00	Salmon " 6 50
Up River	4 50 @ 5 50	Domestic Face 20 00 @ 22 00	St. Louis Fronts @ 27 00	Sq. " @ 9 00
Haverstraw Bay 2nd	5 00 @ 5 50	Philadelphia 40 00 @ 45 00		Light Stretchers @ 12 00
" 1st	5 75 @ 6 25	Phila. mould 50 00 @ 80 00		Medium " @ 14 00
Hollow	@ 13 00	Anderson 14 00 @ 32 00	15 00 @ 27 00	Red " @ 15 00
Fronts			65 00 @ 350 00	Dark " @ 15 00
Croton, Brown	14 00 @ 15 00		@ 55 00	Pressed 22 00 @ 26 00
" dark	15 00 @ 16 00		45 00 @ 50 00	Best Paving @ 16 00
" red	15 00 @ 16 00		45 00 @	Second " @ 14 00
Chicago pressed (Anderson)			25 00 @	Third " @ 13 00
Chicago Moulded			60 00 @ 100 00	Dom. @ 65 / @ 85
Baltimore	7 00 @ 41 00		30 @	
Philadelphia	@ 22 00		35 @	
Trenton	@ 22 00		55 00 @ 65 00	
Milwaukee				
Moulded:				
Glens Falls Red Pressed	@ 37 00		@ 100 00	
" " Buff "	@ 36 00		@ 120 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.—(₱ *cask.*)				
Rosendale Cement	90 @ 1 10	1 20 @ 1 40	*Not Sold.*	1 30 @ 50
Louisville "		Brooks, S. & Co	1 05 @ 1 30	B & S.E. 275 @ 300
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
" " (Burham)	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
" 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
" " (Vorwohler)	2 50 @ 2 90	Cleopatra @	@	Josson
" " (Lagerdofer)	@	2 55 @ 3 00	2 75 @ 3 00	2 50 @ 2 75
" " (Dyckerhoff)	2 90 @ 3 25	3 00 @ 3 50	3 25 @ 3 50	3 00 @ 3 25
" " (Hanover)	2 50 @ 3 00		*Not Sold.*	2 75 @ 2 85
" " Stettin, (Anchor)	2 35 @ 2 85	2 15 @ 2 50	*Not Sold.*	
" American (Saylor's)	2 15 @ 2 45	@ 3 00	2 75 @ 3 00	2 50 @ 2 75
Roman	2 75 @ 3 00	@ 6 00	2 75 @ 3 25	3 00 @ 3 50
Keene's coarse	5 75 @ 6 50	@ 11 50	6 00 @ 7 00	6 50 @ 7 00
" superfine	9 25 @ 10 25		9 @ 10 50	8 00 @ 9 00
Lime:				
Lime of Tell	3 50 @ 4 00	@ 1 35	*Not sold.*	White Lime
Hydraulic Lime	@ 1 45	St. John 1 00	55 @	25 @ 30 ₱ bush
Chicago Lime in bulk			60 @	White Mash
Wisconsin "		@ 1 05	*Not sold.*	1 25 @ 1 50
Rockland and Rockport, (Com.)	@ 1 00	@ 1 10	*Not sold.*	1 00 @ 1 00
Rockland and Rockport, finish	@ 1 20	@ 1 20	1 00 bulk, 75c.	
Kelley Island Lime, finisn	@ 1 20	*Not sold.*	*Not sold.*	*Not sold.*
State, com. cargo rates (nom.)	@ 85	*Not sold.*	*Not sold.*	*Not sold*
State, finishing "	@ 1 10	1 85 @ 2 00	1 85 @ 1 90	1 50 @ 2 25
Plaster of Paris (calcined.)	1 20 @ 1 25	@ 2 25	1 85 @ 1 90	1 75 @ 2 50
" (casting)	1 30 @ 1 35	25 @ 30	20 @ 25	20 @ 25
Hair (Cattle) ₱ *bush.*	12 @ 15	@ 30	30 @ 35	30 @ 35
" (Goat)	22 @ 25	1 75 @ 1 90	@ 60	@ 1 50
Sand, ₱ *load*	1 00 @ 1 25			
STONE. (₱ *cubic foot, rough.*)		@ 60		55 @ 65
Granite: (*Maine*)	45 @ 1 25		50 @	75 @ 90
Limestone:	@ 1 00	95 @ 1 00	33 @ 55	Richmond
Bedford	@		35 @ 60	75 @ 1 50
Joliet	@		@ 1 00	4 50 ₱ Perch
Lemont	@			
Serpentine		10 50 per ton		

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Mortar Colors.				
Black, brown, buff ℔ lb.	@ 2½			
Colorific ℔ lb.	@ 2½			
Red	@ 3			
White ℔ bbl	@ 1 75			
Foundation:				
Dimension	@	5 00 ℔ ton	20@	@ 5 00
Block	@	4 60 ℔ perch		Conshocken
Rubble	@	1 25 @ 1 50	8 50 @	1 45 @ 2 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		95 @ 1 16
Kibbe	@ 90	90 @ 1 10		
Brown (Connecticut)	1 00 @	1 25 @ 1 45	1 50 ℔ cub. ft.	1 05 @ 1 35
Amherst } Ohio	90 @ 95	90 @ 1 00	45 @ 50	55 @ 1 00
Berea } Ohio	75 @ 1 00	85 @ 90	45 @ 55	
Berlin } Ohio	75 @ 1 00	80 @ 90	55 @ 65	
Belleville	80 @ 1 25	1 25 @ 1 35	@ 1 25	1 10 @ 1
New Brunswick (Dorchester)	@ 1 00	75 @ 90	"	1 00 @ 1
Caen	@	@ 2 00	"	1 25 @ 1
Carlisle. English	@ 1 05	@ 1 05		95 @ 1
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	350 @ 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*)	5 00 @ 6 00	4 75 @ 5 25	5 50 @ 6 10	2 30 @ 3 00
" green	5 00 @ 6 00	5 50 @ 6 50	6 50 @ 7 10	3 25 @ 3 75
" " unfading	5 00 @ 6 00	5 50 @ 6 50	6 50 @ 7 10	3 50 @ 4 50
" purple	10 00 @ 10 00	10 00 @ 11 00	12 00 @ 14 00	7 50 @ 10 25
" red	4 25 @ 4 75	@	6 25 @ 6 85	3 25 @ 4 00
" black, Lehigh	—	@	7 30 @ 8 00	4 00 @ 4 65
" " Chapmans	5 50 @ 8 00	5 50 @ 8 0	6 00 @ 9 00	5 50 @ 8 00
" Unfading Black, Monson, Me.	@		*Not sold.*	@ 25 00
Tiles, Am. ℔ M.				6 00 @ 6 75
N. Peach Bottom, warranted unfading				
PAINTS. (*In oil,* ℔ *lb.*)				
White lead, Am.	7 @ 7½	@ 7½	6½ @ 7	@ 7
" Zinc, "	5 @ 8½	@ 8	7 @ 10½	@ 7
Red lead, Am.,	6½ @ 7	@ 7½	6½ @ 7	@ 7
" Venetian	5 @ 10½	7 @ 12	1½ @ 2½	dry Eng. @ 8
" Vermilion	65 @ 70	72 @ 75 dry	65 @ 68	Eng. @ 66
Red Indian, Eng.	12 @ 20	12 @ 20	12 @ 20	6½ @ 7
Yellow Ochre	6 @ 15	7 @ 12	3 @ 15	dry Am. @ 1½
" Chrome	12 @ 20	18 @ 25	15 @ 25	@ 18
Green (chrome)	8 @ 13	8 @ 20	8 @ 20	@ 12
Green, Paris,	25 @ 40	25 @ 40	18 @ 35	" 20 @ 25
Black, lamp,	15 @ 25	15 @ 25	8 @ 30	@ 12
Blue, ultramarine	12 @ 18	18 @ 30	12 @ 35	@ 20
Oil, linseed, (raw) (℔ gal.)	59 @ 62	59 @ 60	57 @ 60	@ 58
" " boiled (℔ gal.)	62 @ 65	62 @ 63	60 @ 63	@ 61
Turpentine (℔ gal.)	41 @ 42	@ 46	51 @ 51	@ 50
Varnish, coach (℔ gal.)	@	1 50 @ 6 00	1 25 @ 2 00	@ 3 00
Shellac (℔ gal.)	@	2 50 @ 3 00	2 25 @ 4 00	@ 2 75
Putty (℔ lb.)	2 @	2 @ 4	02 @ 02½	@ 2
Whiting (℔ lb.)	75 @ 1 00	1 @ 1½	1 @ 1½	@ 1
Paris white, (Eng.,) (℔ lb.)	1 30 @ 2 00	2 @ 3	1½ @ 2	@ 1½
Litharge, Am (℔ lb.)	5½ @ 6	@ 7½	6½ @ 7	@ 7
Sienna (burnt) (℔ lb.)	14 @ 20	14 @ 20	4 @ 16	@ 14
Umber, " (℔ lb.)	14 @ 20	14 @ 20	2 @ 10	@ 12
HARDWARE.				
Nails: (*Per Cask.*) Spikes, (*wrought.*)	@ 2 85		2 75 @ 3 00	pr kg @ 2 25
10d. common	@ 2 60	@ 2 20	@ 2 35	@ 2 30
Shingle	@ 3 35	@ 2 30	@ 2 75	@ 2 60
Lath	@ 4 85	@ 3 5	@ 3 65	3 60 @ 4 75
Finishing nails according to size.			Add .85 to $1.15	per ℔ 4 @ 6
(*For casing nails add 75c. per keg.*)			" .50 to .90	Add pr cask
Butts: 4"x 4" (℔ 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 (℔ pair.)	@ 65	@ 50	*Not sold.*	48 @ 50
Bronze metal	@ 1 90	plain 1 65	2 00 @ 3 25	@ 1 25
Brass (on cupboards)	@ 10	@ 10	@ 12	@ 1 00
Ebony				@ 35
Apple wood				37 @ 1 00
Knobs: (℔ *Set.*)				
Mineral, best	@ 8	@ 8	8 @ 10	@ 08
Lava	@ 50	@ 75	65 @ 80	*Not sold.*
Hematite	*Not sold*	17 @ 33	31 @ 40	25 @ 50
Porcelain	@ 30	@ 10	25 @ 30	@ 25
Glass, solid	*Not sold*	@ 50	*Not sold.*	1 00 @ 2 50
Glass, silvered	*Not sold*	88 @ 1 00	@ 1 50	1 75 @ 2 00
Bronze metal	75 @ 2 00	50 @ 3 00	50 @ 3 00	50 @ 3 50
Brass	1 00 @ 2 50	50 @ 3 00	1 00 @ 3 00	75 @ 1 25
Solder:		@	13 @ 16	13½ @ 16
Sheet Lead		@ 7½	7	@ 6½
Lead Pipe		@ 7	6½	6 @ 6
Iron:				
I-Beams, up to and including 30 ft.	3 3-10 @ 3½	@ 3 1-10	@	@ 2 8-10
I-Beams, over 30 ft. ¼, ½, ¾ c. advance.	@		3 20 @ 3 70	@ 2 8-10
Channel-Beams	3 3-10 @ 3½	@ 3 1-10	" @ "	@ 2 8-10

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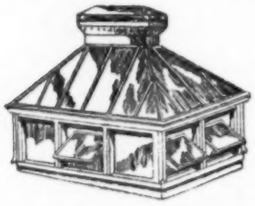

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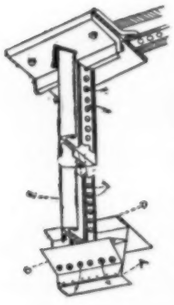

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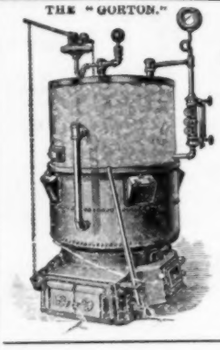

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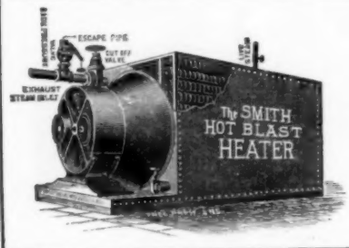

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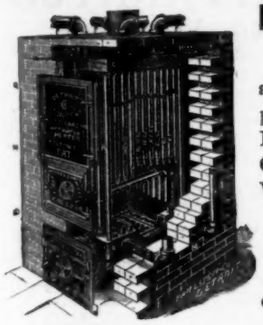

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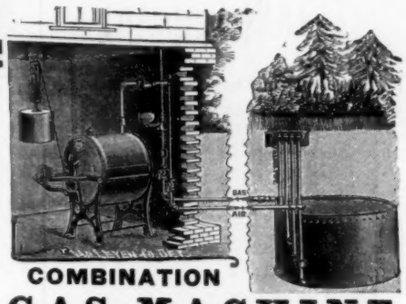

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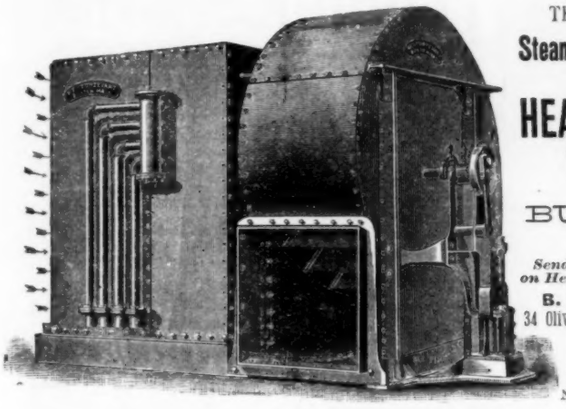

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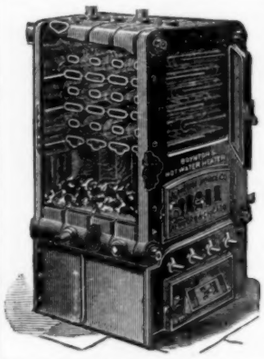

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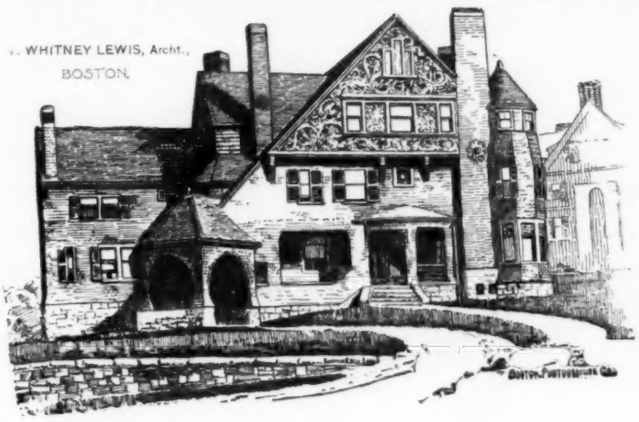

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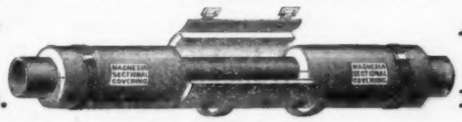

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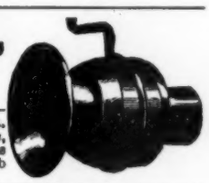

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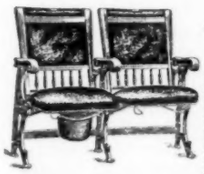

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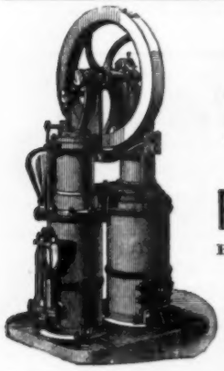

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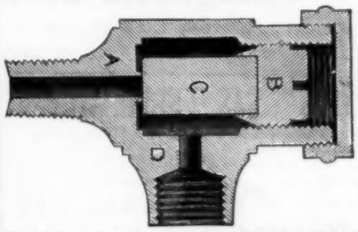

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N. & G. TAYLOR CO. (Philadelphia, Pa.), Roofing-Tin. Page xv.

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434,111. WATER-HEATING APPARATUS. — Warren S. Johnson, Milwaukee, Wis.
434,116-117. COUPLING FOR WATER-CLOSETS. — James J. Ricketts, Pittsburgh, Pa.
434,134. MITER-BOX. — Angus E. McMillan, Oakland, Cal.
434,167. LIGHTNING-ARRESTER. — Alexander Wurts, Pittsburgh, Pa.
434,170. LIGHTNING-ARRESTER. — Alexander Wurts, Pittsburgh, Pa.
434,221. MOULD FOR BRICK-MACHINES. — Thomas Whittaker, Accrington, England.
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434,230. BRICK-MACHINE. — Mahlon B. Atkinson, Washington, D. C.
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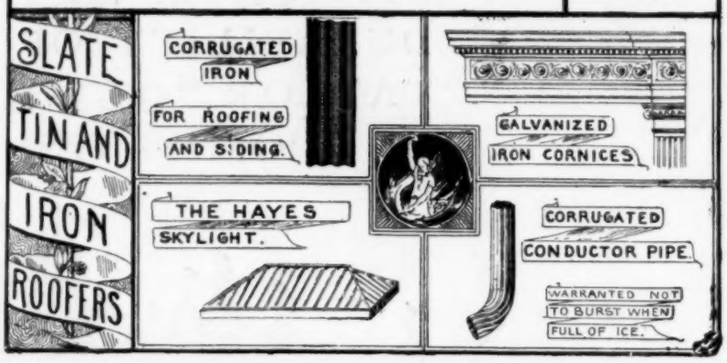

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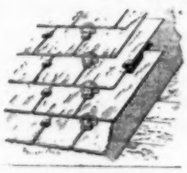
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BUILDING INTELLIGENCE.

(Reported for The American Architect and Building News.)

[Although a large portion of the building intelligence is provided by their regular correspondents, the editors greatly desire to receive voluntary information, especially from the smaller and outlying towns.]

ALTERATIONS.

Cambridge, Mass.—Addition to frame dwell. for E. A. Jameson; contract to be let; architects, Loring & Phipps, Boston.

Chicago, Ill.—Hugo Templeton, one-st'y addition, 213 Randolph St.; cost, $4,000.

Marquette Building Co., eight-st'y addition and remodelling, 78-80 Adams St. and 192-209 Dearborn St., office, etc.; cost, $350,000.

Paul Clifford, one-st'y addition, 5029-5033 Butterfield St.; cost, $2,000.

Thomas S. Kirkwood, two-st'y addition, 3245 Indiana Ave.; cost, $3,000.

Mrs. Mary J. Reynolds, three-st'y addition, 211-213 Laflin St.; cost, $2,000.

Charles W. Partridge, one-st'y addition, 118-124 State St.; cost, $10,000.

C. Redare, one-st'y addition, Ninety-second St., near Houston St.; cost, $3,500.

Victor Falkner, one-st'y addition, 174-176 State St.; cost, $8,000.

Henry Krugel, two-st'y addition, 24 Chapin St.; cost, $4,000.

APARTMENT-HOUSES.

Boston, Mass. — *Sycamore St.*, frame apartment-house, 26' x 60'; owner, Benj. F. Brown, trustee; builder, John K. Ricker.

Chicago, Ill.—F. Foley, three-st'y flats, 289 Sheffield Ave.; cost, $3,000.

T. Ingersoll, two-st'y flats, 401 Sheffield Ave.; cost, $2,500.

A. B. Walt, two-st'y flat, 85 Fowler St.; cost, $8,000.

A. F. Stiles, two-st'y flat, 4527 Wabash Ave.; cost, $4,000.

Jacob Meyer, two-st'y flat, 1278 West Jackson St.; cost, $2,500.

Mrs. S. J. Grubb, three-st'y flat, 378 Bissell St.; cost, $6,000.

P. J. Killeen, three-st'y flat, 961 Park Ave.; cost, $6,000.

Andrew Fries, two-st'y flats, 308 North Robey St.; cost, $5,000.

John C. Gaselipp, two-st'y flats, 100 Newton St.; cost, $2,000.

F. S. Swenson, two-st'y flats, 700 Seymour St.; cost, $2,500.

William Woodron, three-st'y flats, 113 South Morgan St.; cost, $6,000.

John Otreba, two-st'y flats, 898 James Ave.; cost, $2,900.

Turner & Bond, 13 two-st'y flats, 2911-2949 Butler St.; cost, $24,700.

Turner & Bond, 5 two-st'y flats, 2914-2934 Butler St.; cost, $9,500.

August Breson, two-st'y flat, 5014 Atlantic Ave.; cost, $2,400.

J. Cork, 4 four-st'y flats, 131-137 West Erie St.; cost, $25,000.

Andrew Weinger, 2 two-st'y flats, 422-424 South Paulina St.; cost, $7,500.

E. P. Dodson, three-st'y flats, 268 Racine Ave.; cost, $7,000.

William Fitzgerald, two-st'y flats, 510 West Huron St.; cost, $2,000.

H. D. McDuffie, two-st'y flats, 1330 Diversey St.; cost, $4,000.

Martin Strick, two-st'y flats, 8730 Exchange Ave.; cost, $2,000.

C. E. Carson, 2 two-st'y flats, 294-296 Centre Ave.; cost, $8,000.

A. Anderson, three-st'y flat, 4310 Birkley St.; cost, $6,000.

John Nylander, two-st'y flat, Madison and Sixty-ninth Sts.; cost, $2,000.

Josephine Wasata, four-st'y flats, 12 Zion Pl.; cost, $3,500.

W. H. Martin, 2 four-st'y flats, 110-112 Morgan St.; cost, $6,000.

Henry Dierke, three-st'y flats, 77 Potomac St.; cost, $3,500.

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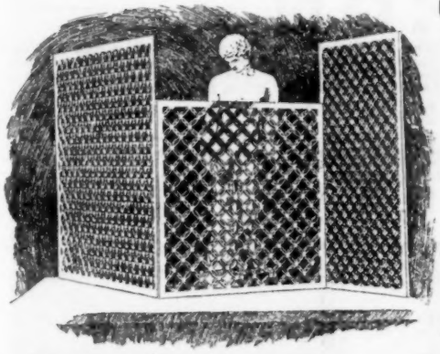

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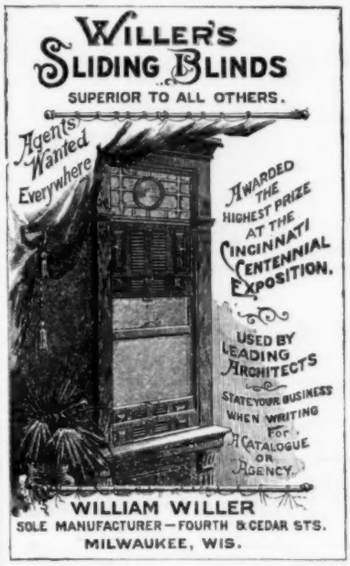

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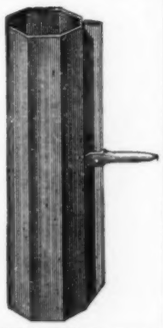

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BUILDING INTELLIGENCE.

George Schroder, two-st'y flats, 2109 Wentworth Ave.; cost, $2,500.

Charles Kraats, three-st'y flat, 428 North Robey St.; cost, $6,000.

Charles Hirsch, two-st'y flat, 166 North California Ave.; cost, $4,500.

Mrs. Augusta Anderson, two-st'y flat, Fletcher St., near Halsted St.; cost, $3,000.

Daniel Epp, two-st'y flats, Oakdale St., near Sheffield Ave.; cost, $2,400.

W. F. Weeks, 3 two-st'y flats, Tracy Ave., near Fifty-sixth St.; cost, $4,000.

Charles Jesson, four-st'y flats, 178 North May St.; cost, $7,000.

Jacob Kramer, three-st'y flats, 755 Washington Bou.; cost, $10,000.

August Gabriel, three-st'y flat, 226 Larrabee St.; cost, $5,000.

Joseph Ostroska, three-st'y flats, 994 Springer Ave.; cost, $5,000.

Mrs. L. L. Tabor, two-st'y flat, 4340-4342 Langley Ave.; cost, $6,500.

Wacker & Birk, two-st'y flat, 461 Melrose St.; cost, $3,000.

J. H. Moe, 2 four-st'y flats, 262-264 North Carpenter St.; cost, $10,000.

Frank Hilba, two-st'y flats, 142 Samuel St.; cost, $3,200.

Hiram Nuger, two-st'y flats, Clark St. and North Ave.; cost, $3,000.

E. Rich, 2 two-st'y flats, 6545-6549 Yale St.; cost, $15,000.

W. H. Krugscher, two-st'y flats, School near Fifty-fourth St.; cost, $2,200.

O. F. Sether, three-st'y flats, 174 West Huron St.; cost, $3,500.

Mrs. S. Anderson, two-st'y flats, 4750 Evans Ave.; cost, $3,000.

Adam Schneider, 2 two-st'y flats, 1722-1724 York St.; cost, $8,000.

Joseph Mancusos, three-st'y flat, 148 North Sangamon St.; cost, $5,500.

R. F. Campbell, two-st'y flats, 3632 Fifth Ave.; cost, $2,000.

C. W. Alcock, two-st'y flat, 6108 Michigan Ave.; cost, $4,000.

J. B. Sueet, two-st'y flat, 455 Goodwin St.; cost, $3,000.

Thomas B. Warner, two-st'y flat, 1660 School St.; cost, $2,500.

H. E. Proctor, two-st'y flat, 1579 Lill St.; cost, $5,000.

BUILDING INTELLIGENCE.

New York, N. Y.—*Madison Ave.*, n e cor. Eighty-third St., seven-st'y brick flat, tin roof; cost, $110,000; owner, John Weber, 1121 Madison Ave.; architects, Weber & Drosser, 81 Bible House.

One Hundred and Fifty-first St., n s, 85′ w Third Ave., 2 five-st'y brick flats, tin roofs; cost, $30,000; owner, Anton Rinchler, One Hundred and Sixty-fourth St. and Cauldwell Ave.; architect, Adolph Pfeiffer, 534 Willis Ave.

Christopher St., No. 72, five-st'y brick flat, tin roof; cost, $25,000; owners, P. & J. Goerlitz, 125 East Forty-seventh St. and 345 East Forty-ninth St.; architect, Franklin Baylies, 51-52 Bible House.

Christopher St., No. 70, five-st'y brick flat, tin roof; cost, $25,000; owners, P. & J. Goerlitz, 125 East Forty-seventh St. and 345 East Forty-ninth St.; architect, Franklin Baylies, 51-52 Bible House.

Pike St., No. 46, five-st'y brick flat, tin roof; cost, 18,000; owner, Joseph Emench, Jr., 425 East Tenth St.; architect, Alex. I. Finkle, cor. Broadway and Spring St.

Grove St., No. 61, five-st'y brick flat, tin roof; cost, $40,000; owners, P. & J. Goerlitz, 125 East Forty-seventh St. and 345 East Forty-ninth St.; architect, Franklin Baylies, 51-52 Bible House.

East Broadway, No. 181, five-st'y brick flat, tin roof; cost, $23,000; owner, Pauline Ryshfran, 125 East Broadway; architects, Schneider & Herter, 48 Bible House.

Christopher St., No. 74, five-st'y brick flat, tin roof; cost, $24,000; owners, J. & P. Goerlitz, 125 East Forty-seventh St. and 345 East Forty-ninth St.; architect, Franklin Baylies, 51-52 Bible House.

One Hundred and Sixteenth St., n s, 150′ w Eighth Ave., 2 five-st'y brick flats, tin roofs; cost, $40,000; owners, Jno. & James Walker, 235 East One Hundred and Thirteenth St.; architect, Andrew Spence, 163 East One Hundred and Twenty-fifth St.

St. Louis, Mo.—Two-st'y brick flats; cost, $3,600; owner, C. C. Howard; contractor, J. Wilkinson.

HOUSES.

Boston, Mass.—*Chelsea St., No.* 85, Ward 3, three-st'y frame dwell., flat roof, 22′ x 44.6′; owner, Kate E. Krogan; builders, Donovan & Brock.

Conant St., near Huntington Ave., Ward 22, three-st'y frame dwell., 37.6′ x 45.6′; owner, Thomas O'Leary; builder, J. H. Pierce.

Orchard Pl., No. 25, Ward 24, frame dwell., 22′ x 50′; owner, Thomas Brownlow; builder, W. Eadie.

Washington St., No. 3087, Ward 23, three-st'y frame dwell., pitch roof, 30′ x 57′; owner, Clara J. Jackquith; builder, J. L. Stevenson.

Dudley St., opp. Howard Ave., Ward 20, three-st'y frame dwell., flat roof, 23.6′ x 58′; owner, G. E. Howe; builders, Ourish & Rich.

Princeton St., No. 168, Ward 1, three-st'y frame dwell., 21.6′ x 56′; owner, B. C. Palfrey; builder, G. F. Damon.

Lincoln St., near Market St., Ward 25, frame dwell., 26′ x 29′; owner, John Murphy; builder, R. B. Ryan.

Mayfield St., near Dorchester Ave., Ward 24, three-st'y frame dwell., pitch roof, 17.6′ x 35′; owner, E. H. Baker; builders, Roberts & Hoare.

Hazel Park, Nos. 6-8, Ward 21, 2 three-st'y frame dwells., flat roofs, 22′ x 44′; owner, Joseph Vogel; builders, Ourish & Rich.

Dudley St., opp. Howard Ave., Ward 20, three-st'y frame dwell;, flat roof, 23.6′ x 58′; owner, G. E. Howe; builders, Ourish & Rich.

Avon St., near Commonwealth Ave., Ward 22, three-st'y brick dwell., flat roof, 22′ x 49′; owner, Mrs. S. E. Lawrence; builder, David Connery.

Rena St., near North Harvard St., Ward 25, two-st'y frame dwell., hip roof; owner, Daniel Daly; builders, Alcock & McKay.

Leicester St., cor. Surrey St. Ward 25, frame dwell., 28′ x 50′; owner, Philip McBryan; builder, C. A. Prouty.

Brookline, Mass.—*Park St.*, frame dwell., 38′ x 50′, with L, 32′ x 38′, also a stable; owner, J. W. Vose; contract to be let; architect, O. F. Smith, Boston.

Beaconsfield Terraces, brick and stone block of six dwells., 55′ x 160′, and brick stable for use of the occupants of the six dwells.; owner, E. R. Knapp; architects, Fehmer & Page, Boston; builders, Morton & Chesley.

Chicago, Ill.—C. Clever, cottage, 1001 Washtenaw St.; cost, $800.

W. Eland, cottage, 1270 West Twentieth St.; cost, $700.

H. Burker, cottage, 3633 Lincoln St.; cost, $900.

Peter Welters, cottage, 100 Crystal St.; cost, $1,000.

E. Weeding, cottage, One Hundred and Seventeenth St., near Wentworth Ave.; cost, $1,200.

Charles Mott, three dwells., 51-53 Prairie Ave.; cost, $10,000.

Etta and Anna Greer, 2 two-st'y dwells., 414-416 Bowen Ave.; cost, $12,000.

Charles W. Gindele, two-st'y dwell., 3745 Prairie Ave.; cost, $4,900.

John Hamilton, two-st'y dwell., 74 Champlain St.; cost, $1,500.

William Stewart, two-st'y dwell., Warton and Sixty-fourth Sts.; cost, $2,500.

Frank M. Luce, four-st'y dwell., 255 Ohio St.; cost, $12,000.

H. M. Marks, three-st'y dwell., 3436 Michigan Ave.; cost, $12,000.

Charles Moenke, cottage, 833 Humboldt St.; cost, $800.

John Rechter, cottage, 999 Thirty-second St.; cost, $1,500.

Vopica & Kubin, 12 cottages, Bronson and West Loomis Sts.; cost, $8,800.

Somerville, Mass.—*Richdale Ave.*, frame dwell., 23′ x 29′, with L, 14′ x 17′; owner, Annie L. Fletcher; builder, Wm. K. Fletcher.

Lincoln Ave., frame dwell., 22′ x 36′, with L, 16′ x 20′; owner, Leander D. Jenkins; builder, Mark Leighton.

Broadway, rear No. 298, frame dwell., 25′ x 35′; owner, Thomas Geghan; builder, Geo. Lintaman.

Landers St., frame dwell., 20′ x 44′; owner and builder, Frederick M. Coffill.

Stickney Ave., double frame dwell., 28′ x 46′, with L's. each 14′ x 20′; owner, Chas. C. Payson; builder, Geo. E. Ricker.

Medford St., near Washington St., frame dwell., 23′ x 36′; owner and builder, Henry McCullough.

Medford St., near Washington St., frame dwell., 24′ x 50′, with L, 17′ x 20′; owner, Michael J. McNamara; builder, James Matthews.

Hall St., frame dwell.; owner, Geo. S. Johnson; builders, Waugh & Waugh.

Court, off Sycamore St., double frame dwell., 44′ x 60′; owner, B. F. Brown, trustee; builder, John K. Ricker.

Court, off Broadway, double frame dwell., 23′ x 65′; owners, S. Z. Bowman and C. C. Ellis; builder, John K. Ricker.

Houghton St., three-st'y double frame dwell., 40′ x 45′; owner, B. F. Brown, trustee; builder, John K. Ricker.

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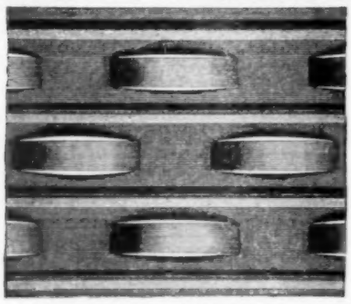
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BUILDING INTELLIGENCE.

Oxford St., frame dwell., 22′ x 31′, with L, 18′ x 18′, also stable, 20′ x 32′; owner, Mary R. Anderson; builder, Wm. J. McLean.

Medford St., near School St., frame dwell., 26′ x 42′; owner, and builder, Henry Dainty.

Highland Ave., near School St., frame dwell., 21′ x 49′; owner, Timothy L. Mayo; builder, Jesse S. Rich.

St. Louis, Mo.—Two-st'y brick dwell.; cost, $2,800; owner, Mary Leonard; contractor, W. L. Balson.

Two-st'y brick dwell.; cost, $3,000; owner, Mrs. D. Scanlon; contractors, F. H. Gray & Bro.

Three-st'y brick dwell.; cost, $3,000; owner, M. Hattenhorst; contractor, H. Drees.

Two-st'y brick dwell.; cost, $3,000; owner, E. Tiedemann; contractors, Paulus & Williamson.

Two-st'y brick dwell.; cost, $5,500; owner, C. Kaeppler; contractor, E. Paulus.

Two-st'y brick dwell.; cost, $5,000; owner and contractor, Thos. Manning.

Two-st'y brick dwell.; cost, $6,000; owner, Jas. H. Teasdale; contractor, Thos. Manning.

Two two-st'y brick dwells.; cost, $9,000; owner, Jas. H. Teasdale; contractor, Thos. Manning.

Three-st'y brick dwell.; cost, $4,200; owner, A. Messner; contractors, Mattheis & Schneider.

Two-st'y brick dwell.; cost, $3,200; owner, Mrs. E. P. Towner; contractor, D. G. Hughes.

Two-st'y brick dwell.; cost, $2,600; owner, J. N. Herder; contractor, P. Tiemann.

Two-st'y brick dwell.; cost, $3,000; owner, G. J. Leach; contractors, Drake & Gukir.

Two-st'y brick dwell.; cost, $7,000; owner, Mrs. L. W. Green; contractor, T. J. Kelly.

Two-st'y brick dwell.; cost, $3,900; owner, W. Hales; contractor, H. Vickery.

Two-st'y brick dwell.; cost, $7,500; owner, A. Herthel; contractor, A. Wieden.

Three-st'y brick dwell.; cost, $3,000; owner, F. Fronski; contractors, W. Rievve & Son.

Two-st'y brick dwell.; cost, $3,900; owner, A. L. Stocke; contractors, W. Rievve & Son.

Two-st'y brick dwell.; cost, $6,000; owner, Mrs. McCarty; contractors, Schepfling & Peterson.

Three-st'y brick dwell.; cost, $3,400; owner, M. Heidorn; contractor, F. Waoning.

Two-st'y brick dwell.; cost, $5,000; owners and contractors, E. C. Gerhard Building Co.

Two-st'y brick dwell.; cost, $4,500; owner and contractor, A. Wagner.

Three-st'y brick dwell.; cost, $5,000; owner and contractor, P. Nolan.

Two-st'y brick dwell.; cost, $4,000; owner, M. Lally; contractors, Bothe & Raterman.

Two-st'y brick dwell.; cost, $4,500; owner, Frank Fildman; contractor, G. M. Kirgin.

Two-st'y brick dwell.; cost, $2,500; owner, Chas. Merz; contractor, H. Gissel.

Two-st'y brick dwell.; cost, $4,000; owner, Ed. Ipahr; contractor, L. J. Evans.

Two-st'y brick dwell.; cost, $3,700; owner, W. J. Haynes; contractor, J. B. Asper.

Two-st'y brick store; cost, $4,700; owner, Mary Toeller; contractor, Jas. Riley.

Two-st'y brick dwell.; cost, $2,500; owner, Mr. O'Connor; contractors, Flotron & Flavin.

BUILDING INTELLIGENCE.

Three-st'y brick dwell.; cost, $10,600; owner, C. D. Jordan; contractors, Meehan & Cregan.

One-st'y brick dwell.; cost, $2,500; owner, R. Germer; contractor, W. C. Popp.

Two-st'y brick dwell.; cost, $2,800; owner, F. Kunst; contractor, R. Doerste.

Two-st'y brick dwell; cost, $5,000; owner, E. C. Aldrich; contractors, J. W. Barnes & Co.

Two-st'y brick dwell.; cost, $3,000; owner and contractor, W. H. Shea.

Two-st'y brick dwell.; cost, $3,000; owner, J. Keats; contractor, M. Britt.

Two-st'y brick dwell.; cost, $3,000; owner, D. Dunn; contractors, Peoples I. & B. Co.

Three adjacent two-st'y brick dwells.; cost, $8,000; owner, A. Maguire; contractor, J. M. Hennessey.

OFFICE-BUILDINGS.

Salt Lake City, Utah—*East First South St.*, five-st'y stone and brick office-building; cost, $60,000; owner, Hooper; architect, R. Kletting.

North Commercial St., four-st'y brick building; cost, $25,000; owner, Bolivar Roberts; architects, Carrol & Kern.

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BUILDING INTELLIGENCE.

PUBLIC BUILDINGS.

Salt Lake City, Utah.—*West Second South St.*, five-st'y stone and brick Board of Trade building; cost, $60,000; architect, R. Kletting.

SCHOOL-HOUSES.

Atlanta, Ga.—Two school-houses, to cost $14,000 each, will be built; Jno. V. Bishop has the contract.

Chicago, Ill.—St. Mary's Mission, three-st'y training-school, 211-213 Washington Boulevard; cost, $12,000.

STABLES.

Brookline, Mass.—*Park St.*, frame stable, 25' x 46'; owner, J. W. Vose; contract to be let; architect, O. F. Smith, Boston.

Beaconsfield Terraces, brick stable, 60' x 100'; owner, E. R. Knapp; builders, Morton & Chesley; architects, Fehmer & Page, Boston.

Chicago, Ill.—F. Grell, two-st'y barn, 2644 Indiana Ave.; cost, $1,000.

W. S. Goudy, three-st'y barn, 46-48 Astor St.; cost, $5,000.

Steele & Wedeles Company, three-st'y barn, 306-308 Twenty-sixth St.; cost, $15,000.

D. S. Fogg, two-st'y barn, 5855 Wabash Ave.; cost, $1,000.

BUILDING INTELLIGENCE.

STORES.

Boston, Mass.—*Tremont St., No.* 147, cor. West St., Ward 10, six-st'y brick and stone store, flat roof, 29.3' x 93.9'; owners, Shreve, Crump & Low; builders, Whidden & Co.

Tremont St., No. 172, *and Mason St.*, Ward 10, six-st'y brick and stone store and offices, flat roof, 20' x 83.6'; owners, S. C. Inches and J. C. Bryant, trustees; builder, Ira G. Hersey.

Chicago, Ill.—Ed. W. Lee, three-st'y store and flats, 535 West Van Buren St.; cost, $5,500.

Joseph Nasik, three-st'y store and flats, 569 West Nineteenth St.; cost, $6,000.

William Stark, four-st'y store and flats, 108 Wells St.; cost, $7,500.

Julius Krasniska, two-st'y store and flats, 47 North Wood St.; cost, $3,500.

F. J. Dewes, 4 four-st'y stores and flats, 748-756 West Chicago Ave.; cost, $35,000.

Pat. O. Connell, four-st'y store and flats, 156 Centre St.; cost, $10,000.

Richard Healy, two-st'y store and flats, 3464 Halsted St.; cost, $7,000.

St. Louis, Mo.—Two-st'y brick store and dwell.; cost, $6,500; owner, Jas. Brinkmann; contractor, Jno. Schott.

Two-st'y brick store and flats; cost, $6,000; owner, Louis Stumpf; contractor, T. J. Kelly.

Three-st'y brick store and dwell.; cost, $9,600; owner, W. F. Gebhardt; contractor, Chas. Busch.

TENEMENT-HOUSES.

St. Louis, Mo.—Three-st'y brick tenement; cost, $6,200; owner, T. Wogawodka; contractor, J. Wilkinson.

WAREHOUSES.

Baltimore, Md.—The Baltimore, Chesapeake & Richmond Steamboat Co. will build 3 three-st'y brick warehouses w s Light St., bet. Lee St. and Welcome Alley.

Chicago, Ill.—William M. Bunge, brick warehouse, 81-83 North Ann St.; cost, $1,800.

Armour & Co., brick warehouse, James Ave. and Thirty-first St.; cost, $2,500.

MISCELLANEOUS.

Baltimore, Md.—The Maryland Infirmary will build three-st'y brick building rear s w cor. Lombard and Green Sts.

Boston, Mass.—*Beacham St.*, cor. West St., Ward 4, two-st'y brick mechanical building, flat roof, 53' x 93'; owners, W. T. Van Nostrand & Co.; builder, C. S. Stone.

Bedford St., No. 69, *Kingston St., No.* 66, *and Columbia St., Nos.* 1-9, Ward 10, six-st'y brick mercantile, flat roof, 124' x 200'; owner, E. D. Jordan; builders, Woodbury & Leighton.

Chicago, Ill.—George B. De Barr, laundry, 505 Welland St.; cost, $4,000.

Iroquois Furnace Co., iron stack-casting, boiler and engine-houses, Ninety-fifth St. and Calumet River; cost, $100,000.

Bemis & Curtis Malting Co., four-st'y malt-house, Bliss, Hickory and Cherry Sts.; cost, $48,000.

A. R. Beck, three-st'y planing-mill, Harbor and Ninety-second Sts.; cost, $12,000.

John Monigin, one-st'y machine-shop, 819 Carroll Ave.; cost, $5,000.

Board of Education, one-st'y brick water-closets at school-house, Calumet Ave. and Twenty-sixth St.; cost, $2,500.

S. B. Foster, side bay-window, 3923 Grand Boulevard; cost, $200.

Edward Bartel, basement, 2820 Archer Ave.; cost, $600.

PROPOSALS.

VITRIFIED PAVING-BRICK.

[At Washington, D. C.]

OFFICE OF THE COMMISSIONERS D. C.,
WASHINGTON, D. C., August 9, 1890.

Sealed proposals will be received at this office **until 12 o'clock, noon, on Thursday, August 28, 1890,** for furnishing 400,000, more or less, vitrified paving-bricks, to be used on various streets, avenues and alleys in the city of Washington.

Blank forms of proposals and specifications can be obtained upon application therefor, together with all necessary information, and bids on these forms only will be considered.

The right is reserved to reject any and all bids.

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[At Washington, D. C.]

OFFICE OF THE COMMISSIONERS,
WASHINGTON, D. C., August 11, 1890.

Sealed proposals will be received at this office **until 12 o'clock M., Thursday, September 4, 1890,** for furnishing granite curb to be used on various streets and avenues in the City of Washington.

Blank forms of proposals and specifications can be obtained at this office on application therefor, together

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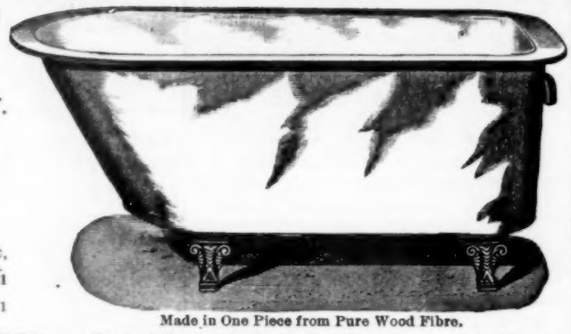

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Commissioners, D. C.

766

BARRACK. [At West Point, N. Y.]

Office of the Qartermaster U. S. Military Academy, West Point, N. Y., August 12, 1890.

Sealed proposals, in triplicate, subject to the usual conditions, will be received at this office **until 12 o'clock, noon, on the 1st day of September, 1890,** for the erection of one brick cavalry barrack as per plans and specifications to be seen at this office.

Inclose proposals in envelope marked "Proposals for Erection of Barrack" and addressed to the undersigned.

CHAS. W. WILLIAMS,
766 Captain and A. Q. M., U. S. Army.

COURT-HOUSE. [At Morgantown, W. Va.]

Sealed proposals will be received by the Commissioners appointed for the purpose by the County Court of Monongalia County, West Virginia, at the office of the Clerk of the Circuit Court, in Morgantown, in said county, **until 12 o'clock, noon, on Monday, September 1, 1890,** for the labor and material and the construction and completion of a Court-house at Morgantown, West Virginia, in accordance with the drawings and specifications furnished by John C. Fulton, architect, copies of which may be seen at this office.

1. All bids must be made upon the printed forms to be obtained from this office, in a sealed envelope directed to the undersigned, and marked "Proposals for Court-house at Morgantown, W. Va."

2. As an evidence of good faith, every proposal shall be accompanied by cash or certified check to the amount of three hundred dollars ($300), made payable to the County Court of Monongalia County, in case the successful bidder shall fail, for ten days after an award, to execute the required contract and bond for the faithful performance of the terms of the contract. The checks of unsuccessful bidders will be returned to them immediately after the contract is awarded or all bids rejected.

3. The right is reserved to reject any and all bids.

4. Bidders are requested to be present at the opening of proposals.

Morgantown, on the Monongahela River, may be reached by B. & O. R. R., or by Pittsburgh by daily line of steamboats.

R. E. FAST,
765 Secretary of Commissioners.

COURT-HOUSE. [At Tacoma, Wash.]

Sealed proposals will be received at the office of the undersigned until **12 o'clock, noon, on the 28th day of August, 1890,** for the several works required in the erection and completion of a stone and brick Court-House for Pierce County, State of Washington, to be built in the city of Tacoma.

Plans and specifications may be seen on and after the 28th day of July, 1890.

A certified check of the value of eight per cent of bid must accompany each bid as a guaranty that the bidder will enter into a contract if his bid is accepted.

A satisfactory bond will be required of the successful bidder.

The right to reject any and all proposals is reserved.

Plans, specifications and all information obtained from PROCTOR & DENNIS, Architects, 660-1-2 Washington Block, Tacoma, State of Washington.

765

DAM. [Near Austin, Tex.]

August 6, 1890.

The City of Austin, Tex., will receive bids **until 12 o'clock, noon, of October 15, 1890,** for the construction of a dam across the Colorado River, and excavation of a hydraulic canal near Austin.

Said work involves some 17,000 cubic yards dimension stone masonry.

Said work involves some 70,000 cubic yards rubble stone masonry.

Said work involves some 75,000 cubic yards earth excavation.

Said work involves some 55,000 cubic yards rock excavation.

Full information with specifications and forms for proposals, contract and bonds may be obtained on application to John McDonald, Mayor, or Jos. P. Frizell, Engineer, Austin, Tex.

766 JOHN McDONALD, Mayor.

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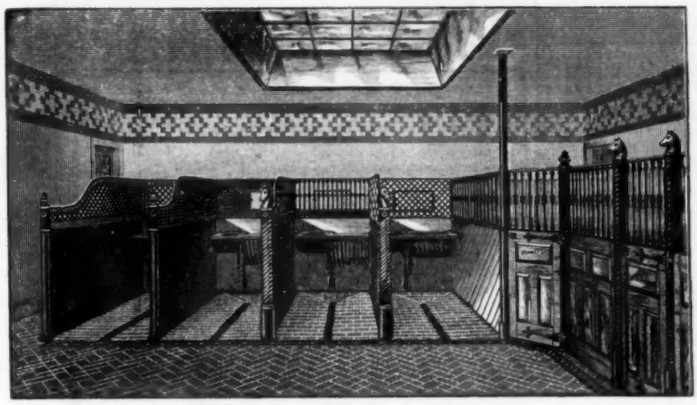

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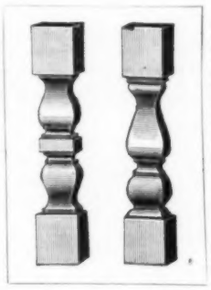

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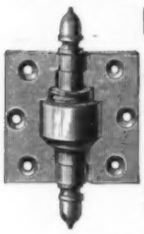

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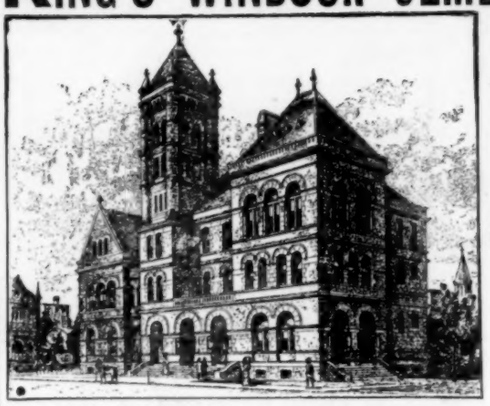

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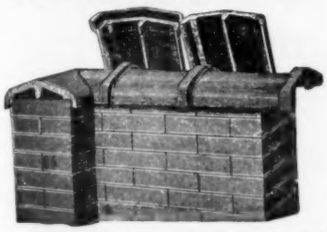

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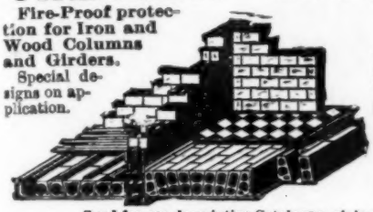

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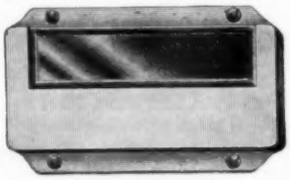

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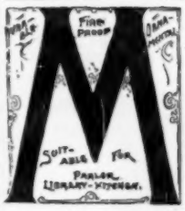

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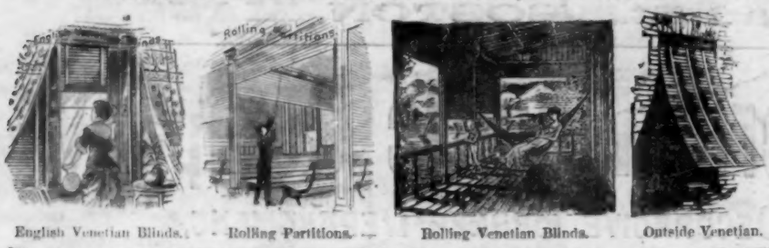

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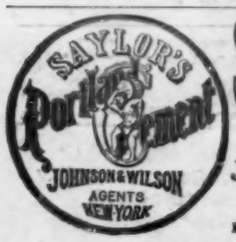

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LUMBER.—₱ M.				
Boards: (*Ordinary dimensions.*)				
Pine, 1st quality, clear	65 00 @ 75 00	50 00 @ 60 00	30 00 @ 47 00	48 00 @ 55 00
" 2d quality	55 00 @ 60 00	42 00 @ 50 00	28 00 @ 28 00	40 00 @ 45 00
" 3d quality	18 00 @ 22 00	35 00 @ 40 00	14 00 @ 20 00	30 00 @ 35 00
Spruce	@ 25 00	13 00 @ 25 00	*Not sold.*	16 00 @ 20 00
Hemlock	ea 13½ @ 14	13 00 @ 15 00	@ 12 00	11 25 @ 13 50
Yellow pine	20 @ 40	25 00 @ 35 00	29 00 @ 37 00	14 00 @ 29 00
Cypress	@	32 00 @ 40 00	@	@ 35 00
Clapboards:				
Pine	@	40 00 @ 60 00	10 00 @ 22 00	14 00 @ 25 00
Spruce	@	25 00 @ 45 00	*Not sold.*	*Not Sold.*
Framing Timber:				
Pine			12 00 @ 15 00	25 00 @ 27 30
Spruce	14 00 @ 18 00	15 50 @ 20 00	*Not sold.*	16 00 @ 18 00
Hemlock	12 00 @ 16 00	14 00 @ 16 00	10 00 @ 13 00	13 00 @ 17 00
Yellow pine	18 00 @ 21 00	24 00 @ 35 00		22 00 @ 28 00
Laths:				
Pine	@	2 25 @ 2 35	2 10 @ 2 25	2 75 @ 3 00
Spruce	2 30 @ 2 40	2 25 @ 2 50	*Not sold.*	2 30 @ 3 00
Shingles:				
Pine, shaved ₱ 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 ₱ 125	1 40 @ 1 60	3 75 @ 4 00	6 00 @ 7 50	30″ $35 @ 40
Cedar, split ₱ 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 ₱ ft.	4½ @ 5½	Piles 6c. ₱ ft.	Cut to order.	
Fence pickets, Commo	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 "	@	25 @ 50	*Not sold.*	20 @ 30
Finishing Woods: ₱ M. (*First Qual.*				
Ash [*Kiln-dried.*]	@ 55 00	45 00 @ 60 00	30 00 @ 40 00	30 00 40 00
Cherry	80 00 @ 120 00	85 00 @ 120 00	80 00 @ 100 00	80 00 @ 100 00
Butternut	40 00 @ 60 00	60 00 @ 70 00	50 00 @ 60 00	70 00 @ 80 00
Hard-pine floors (rift)		50 00 @ 60 00		
Mahogany, Baywood [Mexican]	@ 180 00	150 00 @ 160 00	150 00 @ 200 00	150 00 @ 250 00
" St. Domingo	@ 350 00	120 00 @ 350 00	200 00 @ 250 00	200 00 @ 400 00
Maple	45 00 @ 50 00	45 00 @ 50 00	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 @ 80 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 ₱ lb	@ 6		@ 7	
Spruce floors (clear, kiln-dried)		32 00 @ 35 00		
Walnut, black	125 00 @ 150 00	80 00 @ 120 00	55 00 @ 100 00	50 00 @ 17 00
Whitewood	45 00 @ 50 00	40 00 @ 45 00	18 00 @ 40 00	25 00 @ 40 00
Yellow pine ₱ M	@ 45 00	40 00 @ 42 00	29 00 @ 40 00	27 50 @ 45 00

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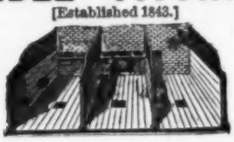

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BRICK.—₱ M.				
Common: *Cargo afloat.*				
Pale	2 50 @ 3 25	Eastern 9 00 @ 10 00	Building Brick @ 6 50	Sq. Hard @ 12
Jersey	4 00 @ 5 50	Bay State Hard 9 00 @ 10 00		" @ 9 00
Long Island	5 50 @ 6 00	Domestic Com. 9 50 @ 10 00	Indiana Pressed 14 00 @ 20 00	Salmon " 6 50
Up River	4 50 @ 5 50	Domestic Face 20 00 @ 22 00	St. Louis Fronts @ 27 00	Sq. " @ 9 00
Haverstraw Bay 2nd	5 00 @ 5 50	Philadelphia 40 00 @ 45 00		Light Stretchers @ 12 00
" 1st	5 75 @ 6 25	Phila. mould 50 00 @ 80 00		Medium " @ 14 00
Hollow	@ 13 00	Anderson 14 00 @ 32 00		Red " @ 15 00
Fronts				Dark " @ 15 00
Croton, Brown	14 00 @ 15 00			Pressed 22 00 @ 26 00
" dark	15 00 @ 16 00			Best Paving @ 16 00
" red	15 00 @ 16 00			Second " @ 14 00
Chicago pressed (Anderson)				Third " @ 13 00
Chicago Moulded				
Baltimore	7 00 @ 41 00		15 00 @ 27 00	
Philadelphia	@ 22 00		65 00 @ 350 00	
Trenton	@ 22 00		@ 55 00	
Milwaukee			45 00 @ 50 00	
Moulded:			45 00 @	
Glens Falls Red Pressed	@ 37 00		25 00 @	
" " Buff "	@ 30 00		60 00 @ 100 00	
" " Moulded Red & Buff	45 00 @ 70 00		30 @	
Enamelled: *Imp.*			35 @	
Enamelled (edge.)	85 00 @ 100 00		55 00 @ 65 00	
Enamelled (edge and end)	90 00 @ 115 00		@ 120 00	Dom. @ 65 / @ 85
CEMENT, LIME, etc.—(₱ *cask.*)				
Rosendale Cement	90 @ 1 10	1 20 @ 1 40	*Not Sold.*	1 30 @ 50
Louisville "	*Not sold.*	Brooks, S. & Co 2 60 @ 3 00	1 05 @ 1 30	B & S.E. 275 @ 300
Utica, Akron, Buffalo, Milw'kee.	2 50 @ 3 00	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
" (R. B. & S.)	2 25 @ 2 50	2 60 @ 3 00	3 00 @ 3 25	2 75 @ 3 00
" Black Cross	2 50 @ 2 80	2 60 @ 3 00	3 00 @ 3 25	2 85 @ 3 15
" (Burham)	2 65 @ 3 00	2 60 @ 3 00	2 90 @ 3 15	2 75 @ 2 85
" (White's)	3 60 @ 3 75		3 00 @ 3 25	
" French (Lafarge)	2 90 @ 3 25	@ 5 00	3 75 @ 4 25	Hommoor 2 50 @ 2 75
" German (Alsen)	2 25 @ 2 40	3 00 @ 3 50	@ 3 20	2 75 @ 2 85
" " (Fewer)	2 50 @ 2 90	3 15 @ 3 35	3 20 @ 3 40	Josson 2 50 @ 2 75
" " (Vorwohler)	@	Cleopatra @	@	3 00 @ 3 25
" " (Lagerdofer)	2 90 @ 3 25	2 55 @ 3 00	2 75 @ 3 00	2 75 @ 2 85
" " (Dyckerhoff)	2 50 @ 3 00	3 00 @ 3 50	3 25 @ 3 50	
" " (Hanover)	2 35 @ 2 85		*Not Sold.*	2 50 @ 2 75
" " Stettin, (Anchor)	2 15 @ 2 45	2 15 @ 2 50	*Not Sold.*	3 00 @ 3 50
" American (Saylor's)	2 75 @ 3 00	@ 3 00	2 75 @ 3 00	6 50 @ 7 00
Roman	5 75 @ 6 50	@ 6 00	2 75 @ 3 25	8 00 @ 9 00
Keene's coarse	9 25 @ 10 25	@ 11 50	6 00 @ 7 00	
" superfine			9 @ 10 50	
Lime:				
Lime of Tell	3 50 @ 4 00	@ 1 35	*Not sold.*	White Lime 25 @ 30 ₱ bush
Hydraulic Lime	@ 1 45	St. John 1 00	55 @	White Mass 1 25 @ 1 50
Chicago Lime in bulk			60 @	1 00 @ 1 00
Wisconsin "	@ 1 00	@ 1 05	*Not sold.*	
Rockland and Rockport, (Com.)	@ 1 20	@ 1 10	*Not sold.*	
Rockland and Rockport, finish	@ 1 20	@ 1 20	1 00 bulk, 75c.	*Not sold.*
Kelley Island Lime, finish	@ 85	*Not sold.*	*Not sold.*	*Not sold*
State, com. cargo rates (nom.)	@ 1 10	*Not sold.*	*Not sold.*	1 50 @ 2 25
State, finishing " "	1 20 @ 1 25	1 85 @ 2 00	1 85 @ 1 90	1 75 @ 2 50
Plaster of Paris (calcined.)	1 30 @ 1 35	@ 2 25	1 85 @ 1 90	20 @ 25
" (casting)	12 @ 15	25 @ 30	20 @ 25	30 @ 35
Hair (Cattle) ₱ *bush*	22 @ 25	@ 30	30 @ 55	@ 1 50
" (Goat)	1 00 @ 1 25	1 75 @ 1 90	@ 60	
Sand, ₱ *load*				55 @ 65
STONE. (₱ *cubic foot, rough.*)		@ 60		75 @ 90
Granite: (*Maine*)	45 @ 1 25	95 @ 1 00	50 @	Richmond 75 @ 1 50
Limestone:	@ 1 00		35 @ 55	4 50 ₱ Perch
Bedford	@		35 @ 60	
Joliet	@		@ 1 00	
Lemont	@			
Serpentine		10 50 per ton		

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Mortar Colors.				
Black, brown, buff ℔ lb.	1 @ 2½			
Colorific ℔ lb.	@ 2½			
Red	@ 3			
White ℔ bbl.	@ 1 75			
Foundation:				
Dimension	@	5 00 ℔ ton	20@	@ 5 00
Block	@	4 60 ℔ perch		Conshocken
Rubble	@	1 25 @ 1 50	8 50 @	1 45 @ 2 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		95 @ 1 16
Kibbe	@ 90	90 @ 1 10		
Brown (Connecticut)	1 00 @	1 25 @ 1 45	1 50 ℔ cub. ft.	1 05 @ 1 35
Amherst } Ohio	90 @ 95	90 @ 1 00	45 @ 50	
Berea } Ohio	75 @ 1 00	85 @ 90	45 @ 55	55 @ 1 00
Berlin } Ohio	75 @ 1 00	80 @ 90	55 @ 65	
Belleville	80 @ 1 25	1 25 @ 1 35	@ 1 25	1 10 @ 1
New Brunswick (Dorchester)	@ 1 00	75 @ 90	"	1 00 @ 1
Caen	@	@ 2 00	"	1 25 @ 1
Carlisle. English	@ 1 05	@ 1 05		95 @ 1
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	350 @ 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	7 50 @ 10 25
" black, Lehigh	4 25 @ 4 75	@	6 25 @ 6 85	3 25 @ 4 00
" " Chapmans	— —	@	7 30 @ 8 00	4 00 @ 4 65
" Unfading Black, Monson, Me.	5 50 @ 8 00	5 50 @ 8 0	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 @ 7½	@ 7½	6½ @ 7	@ 7
" Zinc, "	5 @ 8½	@ 8	7 @ 10½	@ 7
Red lead, Am.,	6½ @ 7	@ 7½	6½ @ 7	@ 7
" Venetian	6 @ 10½	7 @ 12	1½ @ 2½	dry Eng. @ 8
" Vermilion	65 @ 70	72 @ 75 dry	65 @ 68	Eng. @ 66
Red Indian, Eng.	12 @ 20	12 @ 20	12 @ 20	6½ @ 7
Yellow Ochre	6 @ 12	7 @ 12	3 @ 15	dry Am. @ 1½
" Chrome	12 @ 20	18 @ 25	15 @ 25	@ 18
Green (chrome)	8 @ 13	8 @ 20	8 @ 20	@ 12
Green, Paris,	25 @ 40	25 @ 40	18 @ 35	" 20 @ 25
Black, lamp,	15 @ 25	15 @ 25	8 @ 30	@ 12
Blue, ultramarine	12 @ 18	18 @ 30	12 @ 35	@ 20
Oil, linseed, (raw) (℔ gal.)	59 @ 62	50 @ 60	57 @ 60	@ 58
" " boiled (℔ gal.)	62 @ 65	62 @ 63	60 @ 63	@ 61
Turpentine (℔ gal.)	41 @ 42	@ 47	51 @ 51	@ 50
Varnish, coach (℔ gal.)	@	1 50 @ 6 00	1 25 @ 2 00	@ 3 00
Shellac (℔ gal.)	@	2 50 @ 3 00	2 25 @ 4 00	@ 2 75
Putty ℔ lb.	2 @	2 @ 4	02½ @	@ 2
Whiting ℔ cwt.	75 @ 1 00	1 @ 1½	1 @ 1½	@ 1
Paris white, (Eng.) ℔ cwt.	1 30 @ 2 00	2 @ 3	1½ @ 2	@ 1½
Litharge, Am. ℔ cwt.	5½ @ 6	@ 7½	6½ @ 7	@ 7
Sienna (burnt) ℔ cwt.	14 @ 20	14 @ 20	4 @ 16	@ 14
Umber. " ℔ cwt.	14 @ 20	14 @ 20	2 @ 10	@ 12
HARDWARE.				
Nails: (*Per Cask.*) Spikes, (*wrought.*)	@ 2 85	@ 2 20	2 75 @ 3 00	pr kg @ 2 25
10d. common	@ 2 60	@ 2 30	@ 2 35	@ 2 30
Shingle	@ 3 35	@ 2 30	@ 2 75	@ 2 60
Lath	@ 4 85	@ 3 5	@ 3 65	3 60 @ 4 75
Finishing nails according to size.)			Add .85 to $1.15	per ℔ 4 @ 6
(*For casing nails add 75c. per keg.*)			" .50 to .90	Add pr cask
Butts: 4"x 4" (℔ 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 (℔ pair.)	@ 65	@ 50	*Not sold.*	48 @ 50
Bronze metal	@ 1 90	plain 1 65	2 00 @ 3 25	@ 1 25
Brass (on cupboards)	@ 10	@ 10	@ 12	@ 1 00
Ebony				@ 35
Apple wood				37 @ 1 00
Knobs: (℔ *Set.*)				
Mineral, best	@ 8	@ 8	8 @ 10	@ 08
Lava	@ 50	@ 75	65 @ 80	*Not sold.*
Hematite	*Not sold*	17 @ 33	31 @ 40	25 @ 50
Porcelain	@ 30	@ 10	25 @ 30	@ 25
Glass, solid	*Not sold*	@ 50	*Not sold.*	1 00 @ 2 50
Glass, silvered	*Not sold*	88 @ 1 00	@ 1 50	1 75 @ 2 00
Bronze metal	75 @ 2 00	50 @ 3 00	50 @ 3 00	50 @ 3 50
Brass	1 00 @ 2 50	50 @ 3 00	1 00 @ 3 00	75 @ 1 25
Solder:		@	13 @ 16	13½ @ 16
Sheet Lead		@ 7½	7	@ 6½
Lead Pipe		@ 7	6½	6 @ 6
Iron:				
I-Beams, up to and including 30 ft.	3 3-10 @ 3½	@ 3 1-10	@	@ 2 8-10
I-Beams, over 30 ft. ¼, ½, ¾ c. advance.	@		3 20 @ 3 70	@ 2 8-10
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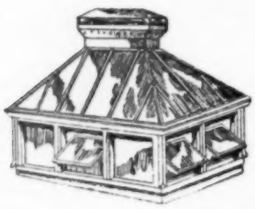

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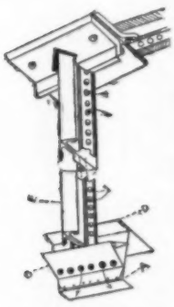

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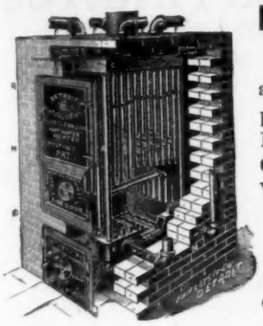

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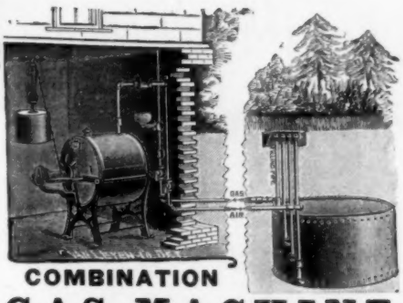

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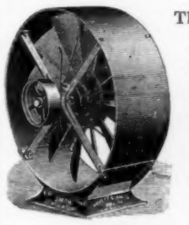

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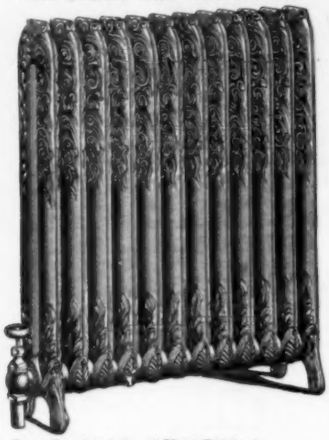

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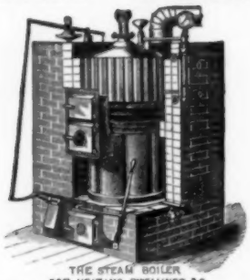

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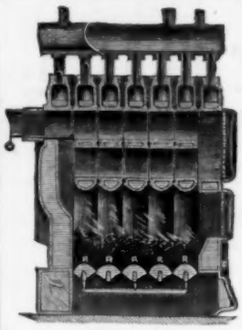

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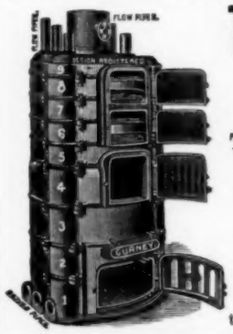

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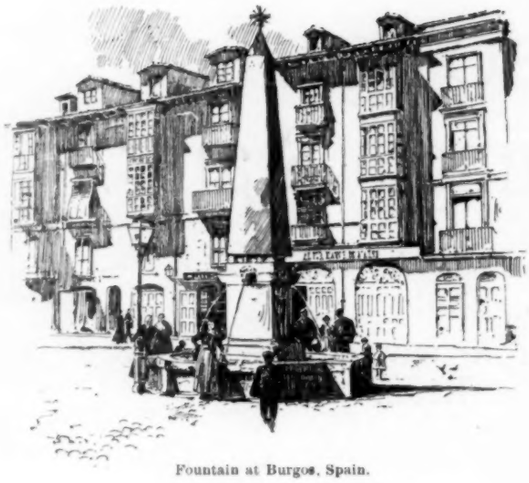

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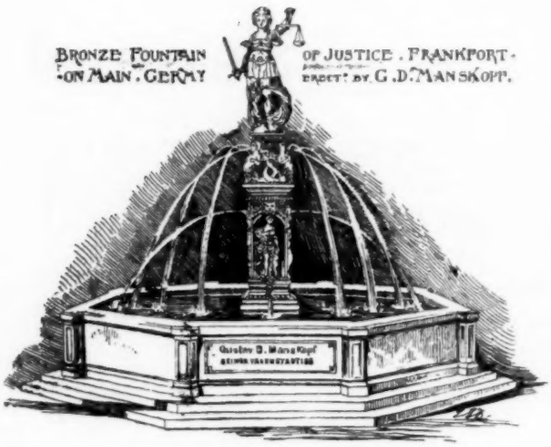

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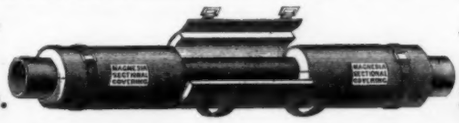

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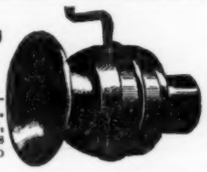

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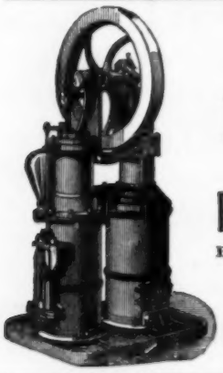

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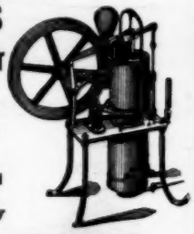

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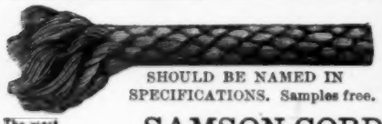

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434,830. METHOD OF FEEDING CEMENT-KILNS. — William Joy, Northfleet, England.

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See the first issue of the month for the following advertisements.

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BUILDING PATENTS.

434,847. PIPE-WRENCH. — James L. Taylor, Memphis, Tenn.
434,849. ELEVATOR. — Harriet R. Tracy, New Brighton, N. Y.
434,872. HEAT-ALARM. — Anthony and Albert Iske, Lancaster, Pa.
434,876. DOOR-ALARM. — William F. Lutz, Jr., Brooklyn, N. Y.
434,877. SPRING-HINGE. — Charles Morrow, Chicago, Ill.

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.

Boston, Mass. — *Washington St., No. 978, and Motte St.*, Ward 16, construct five stories underneath brick church and alter upper portion for storage; owner, J. J. Grace; builders, Isaac Blair & Co.

Bennington St., near Pope St., Ward 1, remodel brick church for school; owner, Maverick Church Society; builder, Chas. E. Day.

Brooklyn, N. Y. — *President St., Nos. 940-942*, 2 three-and-one-half-st'y brick dwells., tin roofs, three-and-one-half-st'y brick extension, tin roof, added; cost, $5,000; owner, E. M. Collignon; architect, Ch. T. Mott, 111 Broadway, New York City.

Chicago, Ill. — Jenkins & Keiser, addition, Commercial and Ninety-second Sts.

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W. F. NICOL, Kansas City, Mo.
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OLDS & WHIPPLE, Hartford, Conn.
DANFORTH & CLARK, Buffalo,
DEWSTOE & SCHNEIDER, Cleveland, Ohio.
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BUILDING INTELLIGENCE.

John A. Anderson, two-st'y addition, Cheltenham Pl. and Railroad Ave.; cost, $1,200.

W. O. Tyler, addition, Sixty-third St., near Aberdeen St.

Martin Blazek, two-st'y addition, 764 West Eighteenth St.; cost, $4,700.

S. Aucheson, two-st'y addition, 696 Shober St.; cost, $1,400.

J. R. Crocker, two-st'y addition, 3803 Vincennes Ave.; cost, $9,000.

J. Courville, one-st'y addition, 28 Thirty-eighth St.

James Anderson, two-st'y addition, 37 Whipple St.; cost, $1,000.

A. M. Auch, one-st'y addition, 9035 Commercial St.; cost, $1,300.

Mrs. McLoe, two-st'y addition, 2945 Fifth Ave.; cost, $2,200.

Charles Carek, one-st'y addition, 740 Girard St.; cost, $1,500.

W. G. Wilson, two-st'y addition, 3824-26 Lake Ave.: cost, $1,000.

R. Muender, one-st'y addition, 9630 Avenue K.

Charles Stross, one-st'y addition, Woodlawn Ave. and Seventy-seventh St.

John Williamson, one-st'y addition, 4803 Tracy Ave.

James Burt, one-st'y addition, Halsted and School Sts.

L. Schaldt, one-st'y addition, Dearborn and Fifty-first Sts.

St. Andrew's Protestant Episcopal Church, two-st'y front addition, 673-675 Washington Boulevard; cost, $2,500.

James S. Piper, five-st'y addition to factory, 1291-1301 Taylor St.; cost, $18,000.

St. Louis, Mo. — Repair brick theatre; cost, $5,000; owners, Havlin & Hagin; sub-let.

APARTMENT-HOUSES.

Brooklyn, N. Y.—*Park Pl.*, n s, 78′ 10″ e Fifth Ave., 3 three-st'y brick apartment-houses, tin roofs; total cost, $18,000; owner, H. B. Lyons, Flatbush, L. I.; architect, W. M. Coots, 26 Court St.

Chicago, Ill. — F. T. Nelligan, two-st'y flats, 4119 Vincennes Ave.; cost, $7,500.

E. Hardstock, two-st'y flats, 6432 McChesney Ave.; cost, $1,500.

Ostland & Rumston, two-st'y flats, 3817 Carpenter St.; cost, $2,000.

E. L. Hoffman, two-st'y flats, 5949 Carpenter St.; cost, $1,500.

George Kaiser, two-st'y flats, 501 Thomas St.; cost, $1,800.

John Wecrow, two-st'y flats, 397 Wabansia Ave.; cost, $2,000.

James A. Thain, three-st'y flats, 2713 Indiana Ave.; cost, $10,000.

Jacob Kaceski, two-st'y flats, Page St., near Forty-fifth St.; cost, $2,000.

F. J. Sumner, two-st'y flats, Farwell and Sixty-third Sts.; cost, $2,200.

BUILDING INTELLIGENCE.

G. Ulick, two-st'y flats, 1214 Place St.; cost, $1,900.

E. O. Russell, seven-st'y flats, 341-343 Michigan Ave.; cost, $90,000.

H. L. Bamerley, 2 two-st'y flats, 968-970 Central Park Ave.; cost, $6,000.

W. Baker, two-st'y flats, 1159 Western St.; cost, $4,000.

George L. Marchie, 13 three-st'y flats, 1201-23 Northwestern Ave.; cost, $150,000.

M. J. Walsh, three-st'y flats, 404 South California Ave., cost, $4,800.

Olaf Berginst, two-st'y flats, 4341 Champlain Ave.; cost, $2,500.

M. A. Hagerman, two-st'y flats, 5624 Dearborn St.; cost, $2,700.

D. S. McGreal, three-st'y flats, 343 West Huron St.; cost, $4,000.

August Miesler, two-st'y flats, 383 Evanston Ave.; cost, $4,000.

John Hackett, three-st'y flats, 3300 Wallace St.; cost, $8,500.

George E. Carl, three-st'y flats, 3836 Wabash Ave.; cost, $6,000.

Elizabeth Cooley, 4 two-st'y flats, 1430-38 West Congress St.; cost, $28,000.

Andrew Whitehead, two-st'y flats, 587 Francis St.; cost, $3,500.

G. M. Meek, two-st'y flat, Tracey Ave. and Fifty-seventh St.; cost, $3,000.

Carl J. Johnson, four-st'y flat, 175 Sedgewick St.; cost, $5,000.

P. Bretschman, three-st'y flat, 951 Ogden Ave.; cost, $9,000.

M. L. Tieman, three-st'y flat, 3609-15 Portland Ave.; cost, $6,000.

P. E. Carlson, 2 two-st'y flats, 10,409 Avenue J.; cost, $1,000.

O. Landcastle, two-st'y flats, 7126 Dobson Ave.; cost, $2,000.

Thomas Boyd, two-st'y flats, 4224 Evans Ave.; cost, $5,000.

H. J. Lehman, 8 four-st'y flats, 12-24 Boston Ave.; cost, $90,000.

A. Nordin, three-st'y flats, 1123 Oakley St.; cost, $4,000.

F. Casey, two-st'y flats, Forty-eighth and West Winter Sts.; cost, $1,100.

D. Shumaker, two-st'y flats, Laflin St., near Fifty-first St.; cost, $1,500.

Joseph Ceavak, two-st'y flats, Centre Ave. and Fifty-second St.; cost, $2,200.

New York, N. Y.—*Stanton St.*, s w cor. Allen St., six-st'y brick flat, tin roof; cost, $60,000; owner, Peter Herter, Greenville, N. J.; architects, Herter Bros., 191 Broadway.

Boston Rd., s e cor. One Hundred and Sixty-fourth St., 4 five-st'y brick flats, tin roofs; cost, $60,000; owner, Mrs. Mary Johnson, 2814 Tenth Ave.; architect, John E. Kirby, 47-49 Liberty St.

East Seventeenth St., Nos. 540-542-544, 3 five-st'y brick flats, tin roofs; cost, $54,000; owner, Thos. E. Tripler, 301 Avenue B; architect, Charles Rentz, 153 Fourth St.

Eighth Ave., e s, 24′ 7″ s One Hundred and Twelfth St., 3 five-st'y brick flats, tin roofs; cost, $60,000; owner, Ovis Tragman, 88 Grand St., Brooklyn; architect, John C. Burne, 1531 Third Ave.

Monroe St., s s, 316′ w Jackson St., five-st'y brick flat, tin roof; cost, $50,000; owner, William Broadbelt, 2 West One Hundred and Thirteenth St.; architect, John C. Burne, 1531 Third Ave.

One Hundred and Fifteenth St., n s, 200′ e Eighth Ave., five-st'y brick flat, tin roof; cost, $18,000; owner, W. T. Coggeshall, 230 East One Hundred and Twelfth St.; architect, Andrew Spence, 163 East One Hundred and Twenty-fifth St.

Ninety-sixth St., n s, 90′ e Amsterdam Ave., 3 five-st'y brick flats, tin roofs; cost, $60,000; owner, John Casey, 172 East Seventy-third St.; architects, A. B. Ogden & Son, 1031 Madison Ave.

Amsterdam Ave., n e cor. Ninety-sixth St., 3 five-st'y brick flats, tin roofs; cost, $78,000; owner, John Casey, 172 East Seventy-third St.; architects, A. B. Ogden & Son, 103 Madison Ave.

Ninth Ave., e s, 50′ s Seventy-fifth St., 2 five-st'y brick flats, tin roofs; cost, $60,000; owner, Francis J. Hillenbrand, 102 Chamber St.; architect, Rich. R. Davis, 247 West One Hundred and Twenty-fifth St.

One Hundred and Sixteenth St., s s, 160′ w Madison Ave., 6 five-st'y brick flats, tin roofs; cost, $138,000, owner, Dore Lyon, 26 Edgcomb Ave.; architect, Rich. R. Davis, 247 West One Hundred and Twenty-fifth St.

St Mark's Pl., No. 5, five-st'y brick flat, tin roof; cost, $18,000; owner, Joseph Fox, 127 East Seventy-ninth St.; architects, Kurtzer & Rohl, cor. Third Ave. and Seventh St.

CHURCHES.

Baltimore, Md.—Brick and stone edifice will be built n e cor. Hamburg and Ridgeley Sts. for the Central Presbyterian Church.

Chicago, Ill. — Swedish Lutheran Church, 45 Rice Pl.; cost, $12,000.

Detroit, Mich.—Malcomson & Co., architects, stone church, 444 Second Ave.; cost, $30,000.

Minneapolis, Minn. — Centenary Church, stone church, cor. Grant St. and First Ave., s; cost, $100,000.

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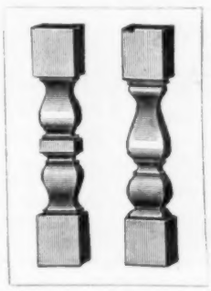

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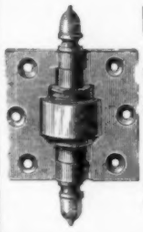

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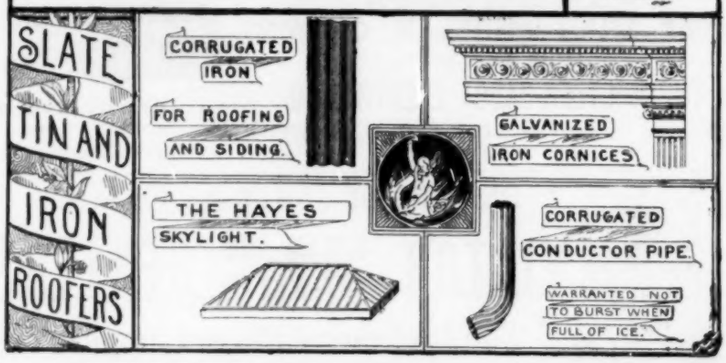

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Yours truly,
Thos. Rodd
Chief Engineer.

BUILDING INTELLIGENCE.

Andrero Presbyterian Church, stone church cor. Eighth Ave., s e, and Fourth St.; cost, $31,000.

FACTORIES.

Brooklyn, N. Y.—*Franklin Ave.*, e s, 250′ n Park Ave., two and three-st'y brick rubber factory and storerooms, gravel roof; cost, $6,000; owners, Guttapercha and Rubber Manufacturing Co., 35 Warren St., New York City; architect, Benj. Finkensieper 93 Broadway.

Chicago, Ill.—John W. Garvey, two-st'y factory, Ninety-sixth St. and Erie Ave.; cost, $4,500.

J. Q. Beasley, cooper's shop, Forty-seventh and Oakley Sts.; cost, $1,000.

F. Kusatka, shop, 398 Henry St.

Mutual Gas & Fuel Co., two-st'y factory, South Chicago St., near Grand Crossing; cost, $2,500.

Minneapolis, Minn.—Century Piano Co., five-st'y brick piano-factory, cor. Main and Bank Sts., s e; cost, $50,000.

New York, N. Y.—*West Twenty-fifth St., Nos.* 554-562, three-st'y brick factory, gravel roof; cost, $12,000; owner, Joseph W. Felton, Matawan, N. J.; architects and builders, Outwater & Felter, 428 West Twenty-fifth St.

St. Louis, Mo.—Three-st'y brick factory; cost, $3,500; owners, Tamm Bros.; contractor, J. Ferguson.

Two-st'y brick factory; cost, $4,800; owner, G. P. Whitelaw; contractor, C. B. McCormack.

One-st'y brick factory; cost, $5,500; owner, St. Louis Wire Mill; contractor, C. Kellerman.

HOTELS.

New York, N. Y.—*Lexington Ave.*, n w cor. Seventy-second St., six-st'y brick hotel, tin roof; cost, $50,000; owner, Mrs. S. Levinson, 1909 Madison Ave.; architects, Flemer & Koehler, 261 Broadway.

HOUSES.

Baltimore, Md.—J. W. Sindall, 6 two-st'y brick buildings, s s Hoffman St., e Spring St.

Frank J. Casper, three-st'y brick building, s s Lancaster St., w Rose St.

BUILDING INTELLIGENCE.

Jos. Miller, three-st'y brick building, e s Broadway, bet. Canton Ave. and Aliceanna St.

Sivilla Kipp, three-st'y brick building, s s Eastern Ave., bet. Bond and Bethel Sts.

St. Matthew's Lutheran Church, three-st'y brick building and stable, n e cor. Central Ave. and Fayette St.

Mt. Calvary Church, four-st'y brick building, e s Eutaw St., n Madison St.

W. F. Webber, 6 three-st'y brick buildings, beg. s e cor. Charles St. and Huntington Ave.

D. E. Potter, 3 three-st'y brick buildings, w s Maryland Ave., bet. Third and Fourth Sts., and 4 three-st'y brick buildings, e s Charles St., s North Ave.

Guy L. Talbott, 23 two-st'y brick buildings, e s Wolfe St., bet. Federal and Lanvale Sts., and 4 two-st'y brick buildings, n s Oliver St., bet. Chapel and Washington Sts.

Boston, Mass.—*Canterbury St.*, near Ashland St., Ward 23, frame dwell., 22′ x 30′; owner, Edward Bryar; builders, Sittig Bros.

Draper Ct., cor. Clark St., Ward 24, frame dwell., 24′ x 32′; owner, Mrs. A. Frohwitter; builder, A. Ford.

Beech St., cor. Kittredge St., Ward 23, frame dwell., 28′ x 38′; owner, Ernest Ratzel; builder, A. Sonntag.

Goldsmith St., near Custer St., Ward 23, three-st'y frame dwell., pitch roof, 22′ x 45.6′; owner, J. B. Dolan; builder, J. F. Sullivan.

Canterbury St., near Perkins St., Ward 23, frame dwell., 24′ x 30′; owner, L. Mintz; builders, Henning & Jennison.

Blue Hill Ave., No. 25, Ward 21, four-st'y frame dwell., flat roof, 37.6′ x 47.6′; owner, Isabella Davis.

Hall St., near South St., Ward 23, frame dwell., 22′ x 38.6′; owner, C. F. Smith; builder, G. Driscoll.

Arundel St., near Water St., Ward 23, frame dwell., 26′ x 27′; owner, W. H. Devens; builder, A. Rogers.

Athens St., No. 373, Ward 14, three-st'y frame dwell., flat roof, 22′ x 43′; owner, Ralph Cole; builder, David Currie.

Morton St., near N. Y. & N. E. R. R., Ward 24, frame dwell., 30′ x 43′; owner, Ella G. Hunter; builders, G. F. Murray & Co.

Hewlett St., near Selwyn St., Ward 23, three-st'y frame dwell., pitch roof, 22.6′ x 35′; owner, John Brooks; builder, M. J. Kennedy.

BUILDING INTELLIGENCE.

Unnamed st. from Neponset Ave., No. 331, Ward 24, frame dwell., 25′ x 30′; owner, H. B. Blackwell; builders, J. A. Vickery & Son.

Cedar St., Nos. 54-56, Ward 24, 2 three-st'y frame dwells., 25′ x 39′; owner, Hugh McConnell; builders, R. D. Ward & Co.

Warren Ave., cor. Coolidge Ave., Ward 24, frame dwell., 36′ x 47′; owner, G. F. Pinkham; builder, B. T. Emery.

Meridian St., No. 436, Ward 1, three-st'y frame dwell., flat roof, 22′ x 60.2′; owner, M. Stevens; builders, Hatt & Rogers.

Cambridge St., near Dustin St., Ward 25, frame dwell., 28.6′ x 46′; owner, H. P. Kennedy; builder, James Muldoon.

Arlington St., cor. Arlington Pl., Ward 25, two frame dwells., 19.6′ x 44′; owner, Maurice Murray; builder, Wm. Ryan.

Bumstead Lane, near Conant St., Ward 22, 2 three-st'y frame dwells., flat roofs, 22′ x 40′; owner, Mrs. Thomas Toohey; builder, J. H. Pierce.

Ruthven St., near Elm Hill Ave., Ward 21, frame dwell., 45.8′ x 47.6′; owner, M. P. W. Jones; builders, Ourish & Rich.

Holmes Pl., near Mill St., Ward 24, frame dwell., 24′ x 34′; owner and builder, C. L. Drew.

Metropolitan Ave., near Poplar St., Ward 23, frame dwell., 26′ x 44.6′; owner, Margaret Dahl; builders, Sittig Bros.

Chicago, Ill.—C. Johnson, cottage, Champlain Ave., near Seventy-fourth St.; cost, $900.

H. Baumann, cottage, 10,973 Wentworth Ave.

M. Wright, cottage, 1116 North Hoyne Ave.; cost, $1,400.

Samuel Haus, 2 two-st'y dwells., 1280-82 Congress St.; cost, $4,500.

Joseph Kruzrucky, cottage, 1059 Turner St.; cost, $1,000.

H. Nienhuis, two cottages, Hyde Park.

O. K. Buckley, cottage, 288 Leland Ave.; cost, $1,500.

John Mountain, three-st'y dwell., 589 Dearborn Ave.

George A. Seaverns, cottage, 1533 Thirty-third St.

Henry Hogan, cottage, Forty-eighth and Erie Sts.

Charles Melecha, cottage, 1744 Forty-third Pl.

Joseph Demling, cottage, Courtland and Irvin Sts.

Theo. Lisouski, cottage, 93 Marquette St.

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Karl Karlzke, cottage, Indiana Ave. and One Hundred and Thirteenth St.
Anton Mognink, cottage, 8337 Mackinaw St.
John Bunder, two-st'y dwell., Buffalo and One Hundred and Thirty-fourth St.; cost, $1,000.
W. G. Barrett, cottage, Eighty-first St., near Connor St.
Lulu R. Bascom, dwell. and barn, 5626 Ellis Ave.
N. A. Johnson, two-st'y dwell., Fourth Ave., near Thirty-ninth St.
Dr. J. A. McGill, two-st'y dwell., 4938 Drexel Boulevard; cost, $60,000.
H. Franksen, cottage, 1735 California St.; cost, $1,400.
W. Feterman, two-st'y dwell., 964 Bonney St.; cost, $2,500.
W. P. Hatch, two-st'y dwell., One Hundred and Eighteenth St., near Michigan Ave.; cost, $4,000.
Charles Carlson, cottage, 870 Seminary Ave.; cost, $2,000.
Olin Adams, 12 cottages, Ada St., near Fiftieth St.; cost, $7,200.
Hosmer & Feun, two cottages, Laflin St., near Sixty-seventh St.; cost, $2,000.
J. Kukaiser, two-st'y dwell., Throop and Fiftieth Sts.; cost, $2,000.
F. Kuluka, two-st'y dwell., Laflin and Forty-seventh Sts.; cost, $2,000.
George C. Johnson, cottage, Harrison and Forty-seventh Sts.
George Hutchinson, cottage, 1030 Leavitt St.; cost, $1,050.
John Nelson, cottage, Hubbard and Forty-seventh Sts.
J. A. Allen, cottage, Park Ave., near Douglass St.; cost, $1,200.
T. Davis, two-st'y dwell., Fifty-second St. and Cottage Grove Ave.; cost, $2,000.
Frank Blaka, cottage, Goodspeed and Forty-ninth Sts.; cost, $600.
C. Friedland, cottage, Peoria St., near Sixty-eighth St.; cost, $300.
Robert Phillips, cottage, Loomis St., near Fifty-fourth St.; cost, $650.
T. H. Brown, cottage, Aberdeen St., near Fifty-seventh St.; cost, $1,000.
F. Lanathal, two-st'y dwell., Fifty-second and Genesee Sts.; cost, $3,000.
Carl Wieska, two-st'y dwell., 1004 Centre St.; cost, $2,500.
H. A. Sams, cottage, Park Ave., near Belmont St.; cost, $1,000.
John H. Bussing, cottage, Belden Ave. and Ballow St.; cost, $300.
Charles Sickel, cottage, 1537 Elston Ave.; cost, $1,000.
F. A. Bailey, cottage, 145 Clarkson St.; cost, $1,000.
W. H. Bowman, three cottages, 3431-3435 Yorktown St.; cost, $2,000.
William Schmidt, cottage, Kimball and Bloomingdale Sts.; cost, $600.
C. C. Connover, two-st'y dwell., 5121-5123 Kimbark Ave.; cost, $6,000.
Nick Rush, cottage, Ashland Ave. and Noble St.; cost, $1,200.

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J. D. Corvett, cottage and barn, 1514 Byron St.; cost, $4,500.
D. H. Denny, cottage, Woodside St., near Grace St.; cost, $1,200.
L. L. Hagaman, cottage, Fifty-third St. and St. Louis Ave.; cost, $900.
Ed. Keary, cottage, Aberdeen and Fifty-seventh Sts.; cost, $400.
H. F. Hayes, five cottages, Fifty-first and Homer Sts.; cost, $4,000.
James Kalmaski, two-st'y dwell., 8335 Buffalo St.; cost, $680.
F. Powelski, two-st'y dwell., 8410 Superior St.; cost, $750.
Nelson & Salt, two cottages, Ninety-first and Buffalo Sts.; cost, $5,400.
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Joseph Janke, cottage, 1028 Dudley St.; cost, $1,200.

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J. Koss, cottage, 226 Moore St.; cost, $1,000.
W. L. Hull, cottage, Rosehill Cemetery.
James M. Graw, two-st'y dwell., 927 West Adams St.; cost, $6,000.
Henry Stetzel, two cottages, 422-424 Francisco St.; cost, $2,000.
M. Gimbel, three-st'y dwell., 3646 Michigan Ave.; cost, $14,000.
Bonny Brothers, 5 two-st'y dwells., 1113-21 Laundale Ave.; cost, $11,000.
A. Beathers, cottage, 163 Barclay St.; cost, $1,100.
C. Heinz, cottage, 828 Byron St.

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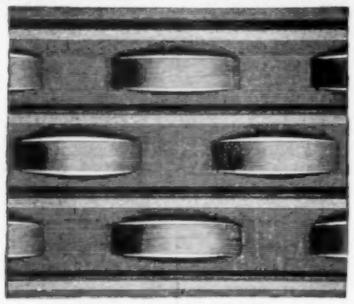

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Wm. Anderson, frame dwell. and barn, 751 Wabash Ave.; cost, $3,500.
A. F. Holmes, brick dwell., 288 Columbia St.; cost, $3,000; frame dwell., 964 Congress St., e; cost, $3,000; frame dwell., 179 Forest Ave., e; cost, $3,000.
J. Connor, frame dwell., 240 Willis Ave.; cost, $3,000.

Minneapolis, Minn. — C. Key, frame dwell., 526 James Ave., n; cost, $4,000.
C. S. Brackett, frame dwell., 1815 Kenwood Boulevard; cost, $8,000.
Kinney & Welcome, two frame dwells., 2829-35 Portland Ave.; cost, $10,000.
N. W. Cook, two frame dwells., 3021-27 Holmes Ave.; cost, $12,000.
O. S. Floren, two frame dwells., 2421 South Dupont Ave. and 2637 South Fremont Ave.; cost, each, $6,000.
J. B. Tabour, two frame dwells., 2744-48 Hennepin Ave.; cost, $10,000.
Henry Ingham, frame dwell., 3032 Park Ave.; cost, $5,000.

Salt Lake City, Utah. — *West Temple and Fourth South Sts.*, 4 two-st'y brick and stone dwells.; cost, $18,000; owners, Walker Bros.; architects, Carrol & Kern.
Liberty Park, two-st'y frame dwell.; cost, $5,000; owner, Jas. Eager; architect, W. E. Ware.
Thirteenth St., two-st'y brick and frame dwell.; cost, $6,000; owner, Jas. Millspaugh; architect, W. E. Ware.

Somerville, Mass.—*Lee St.*, frame dwell., 25′ x 36′; owner, Annie L. Fletcher; builder, Wm. K. Fletcher.
Unnamed St., off Meacham St., frame dwell., 23′ x 30′; owner, Henry R. Glover; builder, Geo. Chaplin.
Meacham St., double frame dwell., 34′ x 48′; owner, Henry R. Glover; builder, Geo. Chaplin.
Meacham St., two frame dwells., each 23′ x 30′; owner, Henry R. Glover; builder, Geo. Chaplin.
Concord Ave., near Cook St., frame dwell., 25′ x 48′, also stable, 21′ x 24′; owner, John Mac; builder, Wm. E. Jones.
Richardson St., frame dwell., 22′ x 26′; owner, Daniel Devoe; builder, Peter L. Leroux.

OFFICE-BUILDINGS.

Chicago, Ill.—Barnum & Richardson, two-st'y office, 64 Jefferson St.; cost, $3,000.
The "Fair," sixteen stories, offices and stores, 184-206 State St.; cost, $3,000,000.
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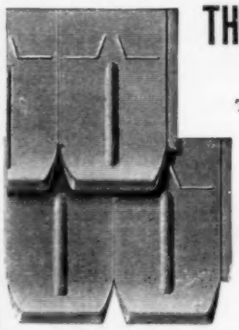

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RAILROAD BUILDINGS.

Chicago, Ill. — E. A. Cummings & Co., two-st'y railroad depot, Sixty-ninth and Leavitt Sts.; cost, $3,000.

Minneapolis, Minn.—Minneapolis & St. Louis Railway Co., two brick freight-houses, Fourth Ave., n, bet. Fourth and Fifth Sts., cost, $29,000.

SCHOOL-HOUSES.

Arkadelphia, Ark.—Building, to cost abt. $30,000, is being built by the Arkadelphia Methodist College.

Melrose, Mass.—*Bet. Main and Lebanon Sts.*, brick and stone school-house, four rooms and two recitation rooms; contract to be let; architects, Loring & Phipps, Boston.
First St., cor. Eleventh St., frame school-house, four rooms and two recitation rooms; builder, Angus McDonald; architects, Loring & Phipps, Boston.

Minneapolis, Minn.—St. Anthony of Padua Society, brick school and hall, cor. Eighth Ave. and Second St., n e; cost, $10,000.

Somerville, Mass. — *Jacques St.*, brick and stone grammar school, eight rooms and two recitation rooms; contract to be let; architects, Loring & Phipps, Boston.

STABLES.

Boston, Mass. — *A St., rear*, cor. Spring Park Ave., No. 42, Ward 23, one-st'y frame stable, pitch roof, 21′ x 29′; owner, O. T. Rogers; builder, W. Tobin.
Harvard St., No. 157, cor. Gleason St., Ward 24, one-st'y frame stable, gambrel roof, 24′ x 32′; owner, James W. Vinal; builder, J. S. D'Arcy.
Selden St., rear, near Capen St., Ward 24, one-st'y frame stable, pitch roof, 22′ x 30′; owner, Ernest Brennan; builders, A. J. Brennan & Co.

Chicago, Ill.—Union Stock-Yards Co., two-st'y sales stables, stock-yard; cost, $3,000.

STORES.

Brooklyn, N. Y.—*Sackett St.*, s s, 92′ e Henry St, 4 four-st'y brick stores and apartment-houses, tin roofs; total cost, $32,000; owner, John Murphy, Hicks and Amity Sts.; architect, W. M. Coots, 26 Court St.

Chicago, Ill.—D. V. Busse, two-st'y store and dwell., Wentworth Ave. and Sixty-fourth St.; cost, $2,000.
Thomas Hardwick, store, Forty-eighth St., near Kinzee St.; cost, $800.
August Wentel, three-st'y store and flats, 504-510 Armitage St.; cost, $7,000.
C. B. McAvoy, store and dwell., Forty-seventh and Frazer Sts.; cost, $1,500.

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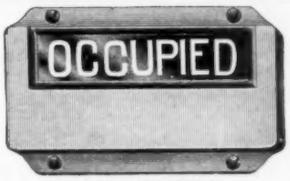

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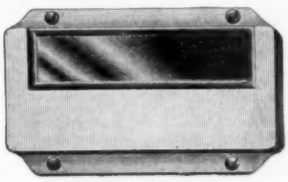

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W. Baker, two-st'y store and flats, 1159 Western St.; cost, $4,000.

D. Phillips, two-st'y store and flats, Ninety-first and Buffalo Sts.; cost, $3,500.

Frank Schallenberg, three-st'y store and flats, 351 Webster Ave.; cost, $6,000.

Anton Kincaid, store and dwell., 1085 West Eighteenth St.; cost, $1,000.

Chushan Olson, 2 four-st'y stores and flats, 2932-34 Cottage Grove Ave.; cost, $18,000.

J. W. Krick, 4 four-st'y stores and flats, 274-280 Fifty-fifth St.; cost, $40,000.

W. E. Furness, four-st'y store and flats, 371-373 Canal St.; cost, $20,000.

Minneapolis, Minn.—W. H. Lang, brick stores and flats, 2836-38 Eighth Ave., s; cost, $16,000.

Whetmore & McMillan, brick stores, 110-116 Second St., n; cost, $24,000.

August Jagnon, brick block of stores and flats, 88-98 Central Ave.; cost, $20,000.

E. B. Hubbard, three-st'y brick and stone store and flats, 1101-05 Twentieth Ave., n; cost, $15,000.

J. M. Robinson, brick block of stores and flats, Washington Ave., s, bet. Tenth and Eleventh Aves.; cost, $13,000.

t. Louis, Mo.—Brick store; cost, $30,000; owner, M. Forster; contractor, A. H. Haesseler.

BUILDING INTELLIGENCE.

Brick store and dwell.; cost, $7,900; owner, J. A. Seudan; contractor, A. H. Haesseler.

Six-st'y brick store; cost, $30,000; owner, Jno. Meier; sub-let.

TENEMENT HOUSES.

Minneapolis, Minn.—S. S. Farnham, brick tenement, cor. Jackson St. and Twenty-fifth Ave., n e; cost, $20,000.

WAREHOUSES.

Chicago, Ill.—Abraham Black, two-st'y warehouse, 94 Bingham St.; cost, $2,000.

Minneapolis, Minn.—Crocker, Fisk & Co., one-st'y brick warehouse, cor. First St. and Sixth Ave., s; cost, $4,000.

MISCELLANEOUS.

Chicago, Ill.—Lowther's Hall, four-st'y building (five stores, offices and hall), 26 Colorado Ave.; cost, $60,000.

Minneapolis, Minn.—Twin City Club, one-st'y brick club-house, 520 Hennepin Ave.; cost, $4,000.

C. A. Smith, planing-mill, Sixth Ave., s, near Ninth St.; cost, $4,500.

BUILDING INTELLIGENCE.

City of Minneapolis, brick police-station, Third St., n, bet. Eighteenth and Twentieth Aves.; cost, $15,000.

New York, N. Y.—*East Forty-fourth St., Nos.* 213 215, four-st'y brick workshop, tin roof; cost, $22,000; owner, John Murphy, 249 East Forty-ninth St.; architect, Benjamin E. Lowe, 64 College Pl.

St. Louis, Mo.—Four-st'y brick City-hall; cost, $1,150,000; owner, City of St. Louis; sub-let; architects, Eckel & Mann.

Brick building; cost, $15,000; owners, Mo. R. R. Co.; contractors, Milburn & Rich.

PROPOSALS.

August 26, 1890. 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 17th day of September, 1890, for all the labor and materials required to put in place complete the plumbing and drainage of the United States Custom-house, etc., building at Galveston, Texas, 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 $100. The Department will reject all bids received after the time herein stated for the opening of the same; also, bids which do not comply strictly with all the requirements of this invitation. Proposals must be enclosed in an envelope sealed and marked "Proposal for Plumbing, etc., for

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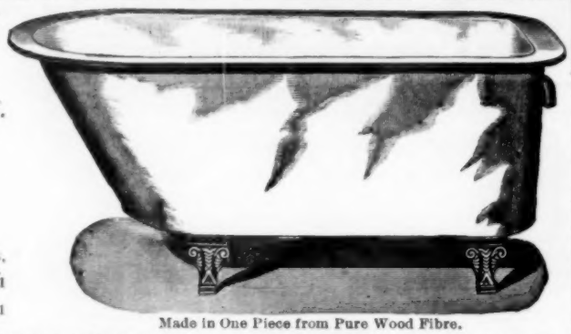

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PROPOSALS.

the United States Custom-house, etc., building at Galveston, Texas," and addressed to JAS. H. WINDRIM, Supervising Architect. 767

August 20, 1890. Sealed proposals will be received at the office of the Supervising Architect, Treasury Department, Washington, D. C., on or before 2 o'clock P. M. on the 19th day of September, 1890, for all the labor and materials required in the erection and completion of the United States Post-office building at Watertown, N. Y. (heating apparatus not included), 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. Each bid must be accompanied by a certified check for $500. The Department will reject all bids received after the time fixed for the opening of the same; also, bids which do not comply strictly with all the requirements of this invitation. Proposal must be enclosed in an envelope sealed and marked "Proposal for the Erection and Completion (except Heating Apparatus of the United States Post-office Building at Watertown, N. Y.," and addressed to JAS. H. WINDRIM, Supervising Architect. 767

August 21, 1890. Sealed proposals will be received at the office of the Supervising Architect, Treasury Department, Washington, D. C., on or before 2 o'clock P. M. on the 8th day of September, 1890, for all the labor and material required for the excavation, concrete foundation, stone and brick work of the basement and area walls of the United States Post-office, Court-house, etc., at Troy, N. Y., in accordance with the drawings and specification, copies of which may be had at this office or the office of the Superintendent at Troy, N. Y. Each bid must be accompanied by a certified check for $500. The Department will reject all bids received after the time fixed for the opening of the same; also, bids which do not comply strictly with all the requirements of this invitation. Proposal must be enclosed in an envelope sealed and marked "Proposal for the Excavation, Concrete Foundation, Stone and Brick Masonry for the Basement and Area Walls of the Post-office, Court-house, etc., at Troy, N. Y.," and addressed to JAS. H. WINDRIM, Supervising Architect. 767

DAM. [Near Austin, Tex.]
August 6, 1890.

The City of Austin, Tex., will receive bids **until 12 o'clock, noon, of October 15, 1890,** for the construction of a dam across the Colorado River, and excavation of a hydraulic canal near Austin.

Said work involves some 17,000 cubic yards dimension stone masonry.

Said work involves some 70,000 cubic yards rubble stone masonry.

PROPOSALS.

Said work involves some 75,000 cubic yards earth excavation.

Said work involves some 55,000 cubic yards rock excavation.

Full information with specifications and forms for proposals, contract and bonds may be obtained on application to John McDonald, Mayor, or Jos. P. Frizell, Engineer, Austin, Tex.

766 JOHN McDONALD, Mayor.

GRANITE CURBING. [At Washington, D. C.]
OFFICE OF THE COMMISSIONERS,
WASHINGTON, D. C., August 11, 1890.

Sealed proposals will be received at this office **until 12 o'clock M., Thursday, September 4, 1890,** for furnishing granite curb to be used on various streets and avenues in the City of Washington.

Blank forms of proposals and specifications can be obtained at this office on application therefor together with all necessary information, and bids on these forms only will be considered.

The right is reserved to reject any and all bids or parts of bids.

J. W. DOUGLASS,
L. G. HINE,
H. M. RORERT,
766 Commissioners, D. C.

BARRACK. [At West Point, N. Y.]
OFFICE OF THE QARTERMASTER U. S. MILITARY ACADEMY,
WEST POINT, N. Y., August 12, 1890.

Sealed proposals, in triplicate, subject to the usual conditions, will be received at this office **until 12 o'clock, noon, on the 1st day of September, 1890,** for the erection of one brick cavalry barrack as per plans and specifications to be seen at this office.

Inclose proposals in envelope marked "Proposals for Erection of Barrack" and addressed to the undersigned.

CHAS. W. WILLIAMS,
766 Captain and A. Q. M., U. S. Army.

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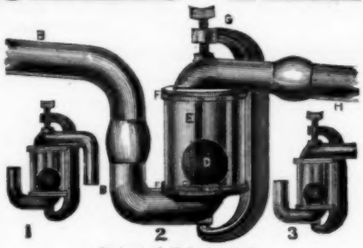

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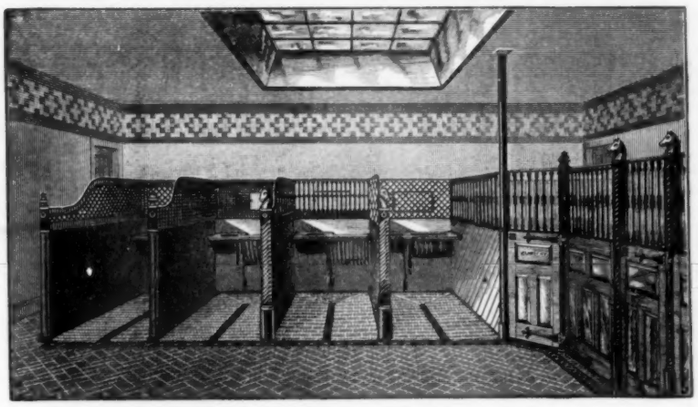

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[*See Alphabetical Index on page VII for Pagination.*]

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Cowles Electric Smelting and Aluminum Co., Cleveland, O.

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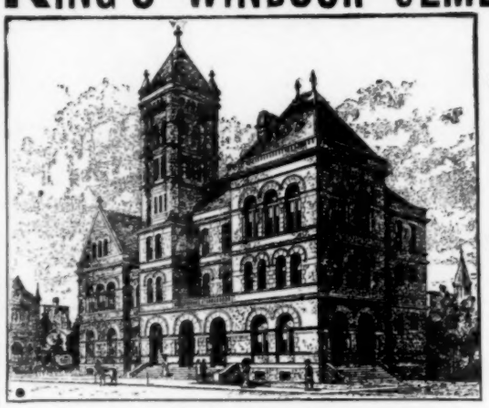

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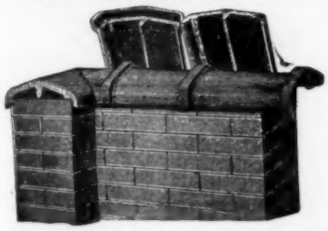

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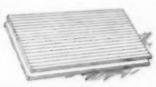

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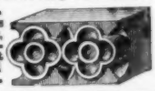

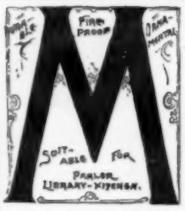

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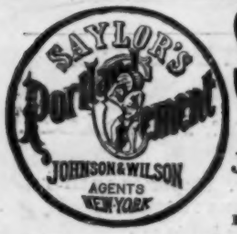

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" 2d quality	55 00 @ 60 00	42 00 @ 50 00	25 00 @ 28 00	40 00 @ 45 00
" 3d quality	18 00 @ 22 00	35 00 @ 40 00	14 00 @ 20 00	30 00 @ 35 00
Spruce	@ 25 00	13 00 @ 25 00	*Not sold.*	16 00 @ 20 00
Hemlock	ea 13½ @ 14	13 00 @ 15 00	@ 12 00	11 25 @ 13 50
Yellow pine	20 @ 40	25 00 @ 35 00	29 00 @ 37 00	14 00 @ 29 00
Cypress	@	32 00 @ 40 00	@	@ 35 00
Clapboards:				
Pine	@	40 00 @ 60 00	10 00 @ 22 00	14 00 @ 25 00
Spruce	@	25 00 @ 45 00	*Not sold.*	*Not Sold.*
Framing Timber:				
Pine			12 00 @ 15 00	25 00 @ 37 30
Spruce	14 00 @ 18 00	15 50 @ 20 00	*Not sold.*	18 00 @ 18 00
Hemlock	12 00 @ 16 00	14 00 @ 16 00	10 00 @ 13 00	13 00 @ 17 00
Yellow pine	18 00 @ 21 00	24 00 @ 35 00		22 00 @ 28 00
Laths:				
Pine	@	2 25 @ 2 35	2 10 @ 2 25	2 75 @ 3 00
Spruce	2 10 @ 2 20	2 25 @ 2 50	*Not sold.*	2 30 @ 3 00
Shingles:				
Pine, shaved ₱ 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 ₱ 125	1 40 @ 1 60	3 75 @ 4 00	6 00 @ 7 50	30" $35 @ 40; 24" 8 @ 21; 20" 35 @ 14
Cedar, split ₱ M	@	@	*Not sold.*	
Cedar, sawed "	@	2 00 @ 4 00	2 00 @ 2 35	
Cypress. Split....7 x 24. "	18 00 @ 20 00	5 00 @ 6 00	3 50 @ 4 00	11 00 @ 14 00
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Chestnut "	@	25 @ 50	*Not sold.*	20 @ 30
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Butternut	40 00 @ 60 00	60 00 @ 70 00	50 00 @ 60 00	70 00 @ 80 00
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Mahogany, Baywood [Mexican]	@180 00	150 00 @ 160 00	150 00 @ 200 00	150 00 @ 250 00
" St. Domingo	@350 00	120 00 @ 350 00	200 00 @ 250 00	200 00 @ 400 00
Maple	45 00 @ 50 00	45 00 @ 50 00	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 @ 80 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 ₱ ft.	@ 6	@ 7	@ 7	
Spruce floors (clear, kiln-dried)		32 00 @ 35 00		
Walnut, black	125 00 @ 150 00	80 00 @ 120 00	55 00 @ 100 00	50 00 @ 17 00
Whitewood	45 00 @ 50 00	40 00 @ 45 00	18 00 @ 40 00	25 00 @ 40 00
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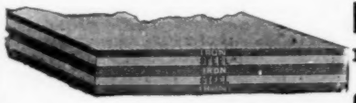

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" 1st	5 75 @ 6 25	Phila. mould 50 00 @ 80 00		Medium " @ 14 00
Hollow	@ 13 00	Anderson 14 00 @ 32 00	15 00 @ 27 00	Red " @ 15 00
Fronts			65 00 @ 350 00	Dark " @ 15 00
Croton, Brown	14 00 @ 15 00		@ 55 00	Pressed 22 00 @ 26 00
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Chicago pressed (Anderson)			25 00 @	Third " @ 13 00
Chicago Moulded			60 00 @ 100 00	Dom. @ 65 / @ 82
Baltimore	7 00 @ 41 00		30 @	
Philadelphia	@ 22 00		35 @	
Trenton	@ 22 00		55 00 @ 65 00	
Milwaukee				
Moulded:				
Glens Falls Red Pressed	@ 37 00		@ 100 00	
" " Buff "	@ 36 00		@ 120 00	
" " Moulded Red & Buff	45 00 @ 70 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 25 @ 2 50	2 60 @ 3 00	3 00 @ 3 25	2 75 @ 3 00
" " Black Cross	2 50 @ 2 80	2 60 @ 3 00	3 00 @ 3 25	2 85 @ 3 15
" " (Burham)	2 65 @ 3 00	2 60 @ 3 00	2 90 @ 3 15	2 75 @ 2 85
" " (White's)	3 60 @ 3 75	@ 5 00	3 00 @ 3 25	
" French (Lafarge)	2 90 @ 3 25	3 00 @ 3 50	3 75 @ 4 25	Hemmoor 2 50 @ 2 75
" German (Alsen)	2 25 @ 2 40	3 15 @ 3 35	@ 3 20	2 75 @ 2 85
" " (Fewer)	2 50 @ 2 90	Cleopatra 2 55 @ 3 00	3 20 @ 3 40	Josson 2 50 @ 2 75
" " (Vorwohler)	@	3 00 @ 3 50	@	3 00 @ 3 25
" " (Lagerdofer)	2 90 @ 3 25		2 75 @ 3 00	2 75 @ 2 85
" " (Dyckerhoff)	2 50 @ 3 00	2 15 @ 2 50	3 25 @ 3 50	
" " (Hanover)	2 35 @ 2 85	@ 3 00	*Not Sold.*	2 50 @ 2 75
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Roman	5 75 @ 6 50		2 75 @ 3 25	8 00 @ 9 00
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Plaster of Paris (calcined.)	1 30 @ 1 35	@ 2 25	1 85 @ 1 90	30 @ 35
" (casting)	12 @ 15	25 @ 30	20 @ 25	@ 1 50
Hair (Cattle) ₱ *bush.*	22 @ 25	@ 90	30 @ 55	
" (Goat)	1 00 @ 1 25	1 75 @ 1 90	@ 60	
Sand, ₱ *load*				
STONE. (₱ *cubic foot, rough.*)				
Granite: (*Maine*)	45 @ 1 25	@ 60		55 @ 65
Limestone:	@ 1 00			
Bedford	@	95 @ 1 00	50 @	75 @ 90
Joliet	@		35 @ 55	Richmond 75 @ 1 50
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Mortar Colors.				
Black, brown, buff ℔ lb	@ 2½			
Colorific ℔ lb	@ 2½			
Red	@ 3			
White ℔ bbl	@ 1 75			
Foundation:				
Dimension	@	5 00 ℔ ton	20@	@ 5 00
Block	@	4 60 ℔ perch		Conshocken
Rubble	@	1 25 @ 1 50	8 50 @	1 45 @ 2 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		95 @ 1 16
Kibbe	@ 90	90 @ 1 10		
Brown (Connecticut)	1 00 @	1 25 @ 1 45	1 50 ℔ cub. ft.	1 05 @ 1 35
Amherst } Ohio	90 @ 95	90 @ 1 00	45 @ 50	
Berea } Ohio	75 @ 1 00	85 @ 90	45 @ 55	55 @ 1 00
Berlin } Ohio	75 @ 1 00	80 @ 90	55 @ 65	
Belleville	80 @ 1 25	1 25 @ 1 35	@ 1 25	1 10 @ 1
New Brunswick (Dorchester)	@ 1 00	75 @ 90	"	1 00 @ 1
Caen	@	@ 2 00	"	1 25 @ 1
Carlisle. English	@ 1 05	@ 1 05		95 @ 1
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	350 @ 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 (℔ squares)				
" green	5 00 @ 6 00	4 75 @ 5 25	5 50 @ 6 16	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 @ 8 85	3 25 @ 4 00
" " Chapmans	— @ —	@	7 30 @ 8 00	4 00 @ 4 65
" Unfading Black, Monson, Me.	5 50 @ 8 00	5 50 @ 8 0	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 @ 7½	@ 7½	6½ @ 7	@ 7
" Zinc, "	5 @ 8½	@ 8	7 @ 10½	@ 7
Red lead, Am.,	6½ @ 7	@ 7½	6½ @ 7	@ 7
" Venetian	8 @ 10½	7 @ 12	1½ @ 2½	dry Eng. @ 8
" Vermilion	65 @ 70	72 @ 75 dry	65 @ 68	Eng. @ 66
Red Indian, Eng.	12 @ 20	12 @ 20	12 @ 20	6½ @ 7
Yellow Ochre	6 @ 15	7 @ 12	3 @ 15	dry Am. @ 1½
" Chrome	12 @ 20	18 @ 25	15 @ 25	@ 18
Green (chrome)	8 @ 13	8 @ 20	8 @ 20	@ 12
Green, Paris,	25 @ 40	25 @ 40	18 @ 35	" 20 @ 25
Black, lamp,	15 @ 25	15 @ 25	8 @ 30	@ 12
Blue, ultramarine	12 @ 18	18 @ 30	12 @ 35	@ 20
Oil, linseed, (raw) (℔ gal.)	59 @ 62	59 @ 60	57 @ 60	@ 58
" " boiled (℔ gal.)	62 @ 65	62 @ 63	60 @ 63	@ 61
Turpentine (℔ gal.)	41 @ 42	@ 45	51 @ 51	@ 50
Varnish, coach (℔ gal.)	@	1 50 @ 6 00	1 25 @ 2 00	@ 3 00
Shellac (℔ gal.)	@	2 50 @ 3 00	2 25 @ 4 00	@ 2 75
Putty	2 @ 4	2 @ 4	02 @ 02½	@ 2
Whiting } dry	75 @ 1 00	1 @ 1½	1 @ 1½	@ 1
Paris white, (Eng.,) } dry	1 30 @ 2 00	2 @ 3	1½ @ 2	@ 1½
Litharge, Am. } dry	5½ @ 6	@ 7½	6½ @ 7	@ 7
Sienna (burnt) } dry	14 @ 20	14 @ 20	4 @ 15	@ 14
Umber, " } dry	14 @ 20	14 @ 20	2 @ 10	@ 12
HARDWARE.				
Nails: (Per Cask.) Spikes, (wrought.)	@ 2 85		2 75 @ 3 00	pr kg @ 2 25
10d. common	@ 2 50	@ 2 20	@ 2 35	@ 2 30
Shingle	@ 3 35	@ 2 30	@ 2 75	@ 2 60
Lath	@ 4 85	@ 3 5	@ 3 65	3 60 @ 4 75
Finishing nails according to size.)			Add .85 to $1.15	per ℔ 4 @ 6
(For casing nails add 75c. per keg.)			" .50 to .90	Add pr cask
Butts: 4"x 4" (℔ 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 ℔ 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: (℔ Set.)				
Mineral, best	@ 8	@ 8	8 @ 10	@ 08
Lava	@ 50	@ 75	65 @ 80	*Not sold.*
Hematite	*Not sold*	17 @ 33	31 @ 40	25 @ 50
Porcelain	@ 30	@ 10	25 @ 30	@ 25
Glass, solid	*Not sold*	@ 50	*Not sold.*	1 00 @ 2 50
Glass, silvered	*Not sold*	88 @ 1 00	@ 1 50	1 75 @ 2 00
Bronze metal	75 @ 2 00	50 @ 3 00	50 @ 3 00	50 @ 3 50
Brass	1 00 @ 2 50	50 @ 3 00	1 00 @ 3 00	75 @ 1 25
Solder:			13 @ 16	13½ @ 16
Sheet Lead		@ 7½	7	@ 6½
Lead Pipe		@ 7	6½	6 @ 6
Iron:				
I-Beams, up to and including 30 ft.	3 3-10 @ 3½	@ 3 1-10	@	@ 2 8-10
I-Beams, over 30 ft. ¼, ½, ¾ c. advance.	@		3 20 @ 3 70	@ 2 8-10
Channel-Beams	3 3-10 @ 3½	@ 3 1-10	" @ "	@ 2 8-10

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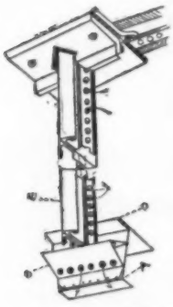

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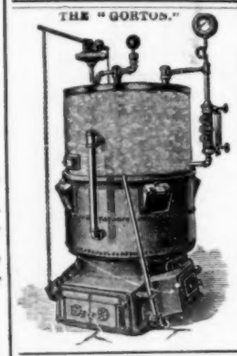

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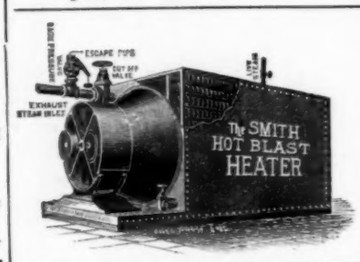

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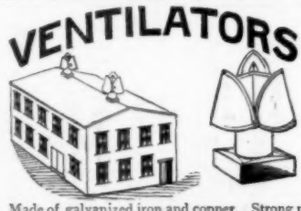

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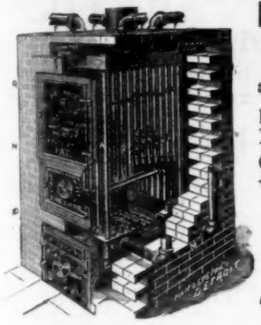

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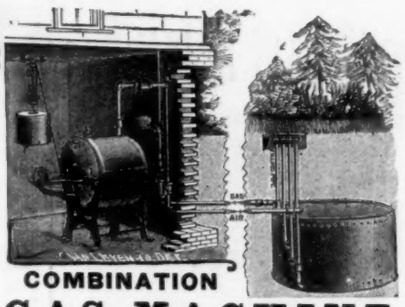

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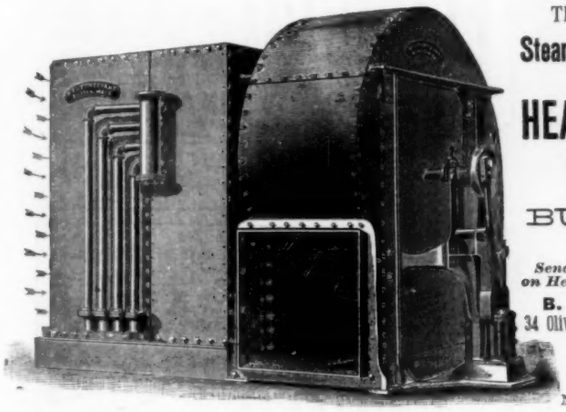

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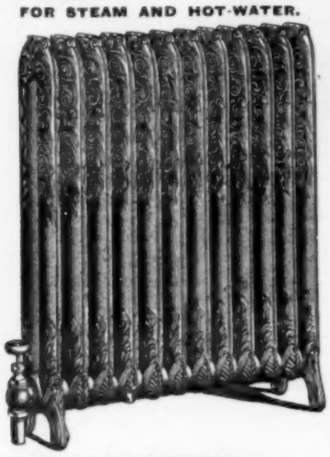

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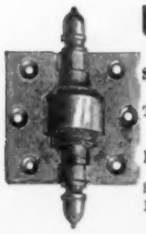

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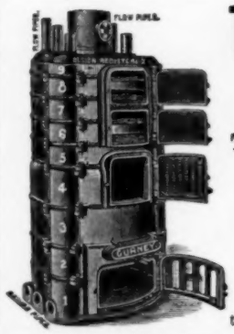

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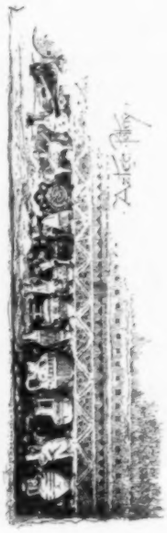

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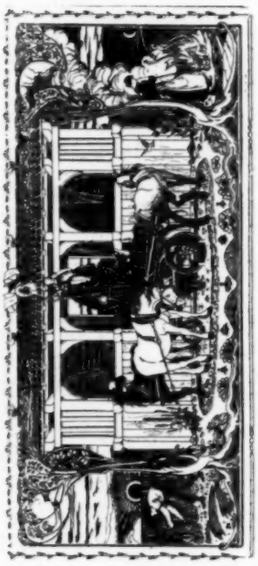

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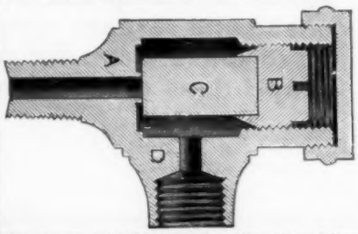

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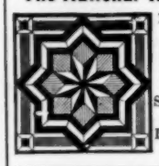

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Whoever has bought or built a house in the last ten years, when looking about for information, must have been struck with the universal preference of varnish over paint. It began in the parlor and library; it has got to the kitchen and servants' rooms. A house with any paint inside at all is now at a disadvantage for either selling or renting; of course it is for living in.

And yet it is rare to find an owner or architect, builder or painter, that knows what varnish to use. It is generally left to the painter to buy what he likes; and he likes it cheap, if he has it to pay for.

The result is an enormous misuse and waste of property: all the more because no one can tell whether varnish is good or not in the can or when first put on. In a few weeks or months, or in a year or two, if it is n't good, it turns to rust or goes off and leaves the wood bare and shabby.

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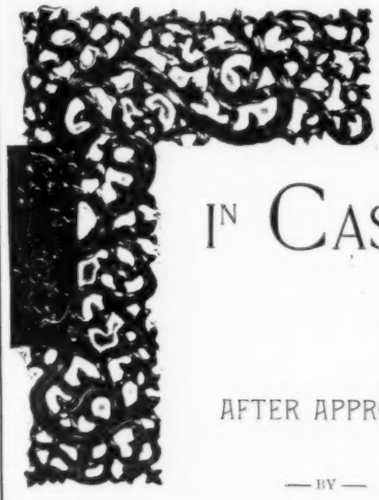

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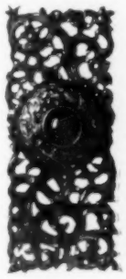

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BUILDING INTELLIGENCE.

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[*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.—*Broadway, No.* 1548, frame addition to factory; owner, Isaac Ferris.

Minneapolis, Minn.— Holy Trinity Church Society, addition to stone church, cor. Fourth St. and Fourth Ave., s e; cost, $7,000.

West Springfield, Mass.—Meadow St. School, two-st'y addition; cost, abt. $8,000; contractor, J. Emerson.

Ware, Mass. — J. H. Storrs, two-st'y brick addition to Delavan House, Main St.; contractors, Aldrich & Hill.

APARTMENT-HOUSES.

Minneapolis, Minn. — E. C. Dowdall, three-st'y brick block of flats and stores, 114-116 First Ave., s; cost, $20,000.

New York, N. Y.—*Amsterdam Ave.*, s w cor. Ninety-ninth St., five-st'y brick flat, tin roof; cost, $45,000; owner, L. Rogers, 744 East One Hundred and Seventy-fifth St.; architect, F. T. Camp, 177 Broadway.

BUILDING INTELLIGENCE.

West Thirty-fifth St., No. 435, five-st'y brick flat, tin roof; cost, $15,000; owner, James Fay, 315 West Forty-sixth St.; architect, J. A. Schellinger, 128 Bowery.

One Hundred and Eighteenth St., s s, 60′ e Madison Ave., 5 five-st'y brick flats, tin roofs; cost, $90,000; owner and architect, Nicholas Comforti, 233 East One Hundred and Fourteenth St.

Second Ave., No. 916, five-st'y brick flat, tin roof; cost, $19,000; owner, Thomas Fitzgerald, 1028 Avenue A; architects, A. B. Ogden & Son, 1031 Madison Ave.

Ninety-ninth St., n s, 150′ w Eighth Ave., 2 five-st'y brick flats, tin roofs; cost, $40,000; owner, Sinclair Manson, 639 East One Hundred and Thirty-eighth St.; architect, I. H. Valentine, 247 West One Hundred and Twenty-fifth St.

West Fourth St., Nos. 210-214, seven-st'y brick flat, tin roof; cost, $96,000; owners, P. & J. Goerlitz, 125 East Forty-seventh St. and 345 East Forty-ninth St.; architect, Franklin Baylies, 51-52 Bible House.

East One Hundred and Fifty-fourth St., No. 639, five-st'y brick flat, tin roof; cost, $16,500; owner, George Dumser, 694 Courtland St.; architect, Anthony F. A. Schmitt, 606 Courtland Ave.

West Forty-eighth St., No. 410, five-st'y brick flat, tin roof; cost, $20,000; owner, Robert Dick, 670 Ninth Ave.; architect, M. V. B. Ferdon, 272 West Thirty-fourth St.

Ninety-eighth St., n s, 225′ e Columbus Ave., five-st'y brick flat, tin roof; cost, $22,000; owner, Alexander Cameron, 76 Eighth Ave.; architect, Henry Davidson, 222 Ninth Ave.

One Hundred and Thirty-fourth St., s s, 100′ w Alexander Ave., 6 five-st'y brick flats, tin roofs; cost, $90,000; owner, Frederick Rohrs, 302 East One Hundred and Twenty-sixth St.; architect, Walter H. C. Hornum, 150 East One Hundred and Twenty-fifth St.

Seventy-second St., n e cor. Avenue A, 2 five-st'y brick flats, tin roofs; cost, $30,000; owner, John J. Reilly, 431 East Seventy-ninth St.; architect, W. H. C. Hornum, 150 East One Hundred and Twenty-fifth St.

One Hundred and Thirty-first St., n s, 235′ w Fifth Ave., 4 five-st'y brick flats, tin roofs; cost, $80,000; owner, Henry Hawkes, 2369 Eighth Ave.; architect, John C. Burne, 1531 Third Ave.

One Hundred and Nineteenth St., n s, 125′ w Eighth Ave., 3 three-st'y brick flats, tin roofs; cost, $45,000; owner, James Thompson, 32 Mulberry St., Yonkers, N. Y.; architect, John C. Kirby, 47-49 Liberty St.

Convent Ave., n w cor. One Hundred and Forty-fifth St., 2 five-st'y brick flats, tin roofs; cost, $70,000; owner, John Striefler, s w cor. Eighth Ave. and One Hundred and Forty-second St.; architect, W. A. O'Hea, 330 West One Hundred and Forty-fifth St.

West Eighteenth St., No. 237, five-st'y brick flat, tin roof; cost, $18,000; owner, Cavanito Natale, 414 Brook Ave.; architect, Albert Hltira, 123 East Fourth St.

Madison St., No. 136, five-st'y brick flat, tin roof; cost, $18,000; owner, Joseph Emrich, Jr., 425 East Tenth St.; architect, Alex I. Finkle, cor. Broadway and Spring St.

West Twenty-fourth St., Nos. 341-345, 3 five-st'y brick flats, tin roofs; cost, $66,000; owner, Joseph McFarland, 345 West Twenty-fourth St.; architect, James W. Cole, 403 West Fifty-first St.

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Seventy-ninth St., s s, 150′ e Amsterdam Ave., 2 five-st'y brick flats, tin roofs; cost, $22,000; owner, James A. Breakell, 249 West Fifty-second St.; architect, James W. Cole, 403 West Fifty-first St.

East Eighty-second St., No. 308, five-st'y brick flat, tin roof; cost, $15,000; owner, Wm. E. Seitz, 310 East Eighty-second St.; architect, Charles Stegmeyer, 306 East Eighty-second St.

Madison Ave., s w cor. Eighty-seventh St., six-st'y brownstone, brick and terra-cotta flat; owners, Corell & Gillden; architect, F. A. Minuth.

Columbus Ave., e s, 54.2′ n Seventy-fourth St., two flats; cost, $60,000; owner, Thos. Nugent; architect, George A. Schellinger.

One Hundred and Sixteenth St., s s, e Eighth Ave., two stone front flats; cost, $60,000; owner, Wm. Eisenberg; architect, J. C. Burne.

Springfield, Mass.—John Olmsted, frame flats, East William St.; cost, abt. $10,000; builder, G. M. Burnham.

CHURCHES.

Baltimore, Md. — The Riverside Baptist Church, brick church, s w cor. Johnson and Randall Sts.

New York, N. Y. — *Fifty-sixth and Fifty-seventh Sts.*, bet. Eighth and Ninth Aves., church; owner, Zion and St. Thomas Church; architect, W. Halsey Wood.

St. Louis, Mo. — Two-st'y brick church; cost, $20,000; owner, West End Chr. Church; sub-let.

FACTORIES.

Camden, N. J.—*Mechanic St.*, e W. J. R. R., one-st'y brick factory; owners, Farr & Bailey Co.

Front and Cooper Sts., brick factory; owners, Esterbrook Steel Pen Co.

Spring Garden St., No. 1122, four-st'y factory; contractor, Jos. F. Myers, 516 Willow St.

New York, N. Y. — *Eleventh St.*, n s, bet. Fifth and Sixth Aves., six-st'y brick, iron and stone factory; cost, $25,000; owners, Sonntag & Beyer; architects, Schneider & Herter.

Tenth Ave., One Hundred and Forty-third St. and Hamilton Pl., six-st'y brick factory; cost, $50,000; owners, Haufmann Bros.; architect, J. A. Webster.

St. Louis, Mo. — Three-st'y brick factory; cost; $4,000; owner, M. Kostuba.

HOTELS.

Boston, Mass.— *Dudley St.*, cor. Nonquit St., Ward 20, six-st'y brick and stone family hotel, 60′ x 82′; owners, Frank and Albert Frost; architect, J. Merrill Brown.

HOUSES.

Adams, Mass. — Brick parsonage of the Church of the Seven Dolors; cost, $7,000; contractor, Eli Reeves; architect, F. S. Newman.

Baltimore, Md.— Chas. A. Flagg, 7 three-st'y brick buildings, n s, Fifth St.; and 2 two-st'y brick buildings, e s Oak St., n Fifth St.

Geo. C. Goldman, 3 two-st'y brick buildings, e s Patuxent St., s Dillon St.

Ebel & Steven, 5 two-st'y brick buildings, e s Wooster St.; and 10 two-st'y brick buildings, n s James St., w Washington Road.

Boston, Mass. — *Baker St., rear*, on Brook Farm, Ward 23, frame dwell., 22′ x 45′; owner, Martin L. Howe; builder, W. S. Mitchell.

Worley St., Ward 23, frame dwell., 20′ x 27′; owner, Wm. McKay; builder, W. S. Mitchell.

Byron St., Ward 1, frame dwell., 21′ x 46′; owner, Charlotte A. Choun; builder, John Martin.

Tuttle Ave., near Hartland St., Ward 24, frame dwell., 23′ x 34′; owner, James B. Newsone; builder, George W. Hamilton.

Randolph Terrace, No. 5, Ward 24, frame dwell., 28′ x 32′; owner, H. S. Carruth; builder, Bradford Hamilton.

Reedsdale St., near Brighton Ave., Ward 25, frame dwell., 26′ x 52′; owner, John H. Wetherell; builder, H. McLeod.

Westmoreland St., No. 6, Ward 24, frame dwell., 28′ x 32′; owner, H. S. Carruth; builder, Bradford Hamilton.

Unnamed St., off Adams St., Ward 24, frame dwell., 28′ x 43′; owner, James G. Young; builders, Chute Bros.

Hewlett St., Ward 23, frame dwell., 24′ x 38′; owner, Louise Grinnell; builder, Thomas Condon.

Lyndehurst St., near Allston St., Ward 24, two frame dwells., 24′ x 37.6′; owner and builder, Joseph H. Beale.

Columbia St., cor. Richfield St., Ward 24, three-st'y frame dwell., flat roof, 47′ x 88′; owner and builder, Peter D. McLellan.

Richfield St., No. 36, Ward 24, frame dwell., 25.6′ x 33.3′; owner and builder, W. J. Jobling.

Richfield St., rear No. 38, Ward 24, two frame dwells., 24.6′ x 31′; owner and builder, W. J. Jobling.

Atherton Pl., near Atherton St., Ward 23, frame dwell., 20.6′ x 31.3′; owner, Pierce Muller; builder, E. O. Goodwin; architects, Cabot, Everett & Mead.

Harbor View St., nearly opp. Newport St., Ward 24, frame dwell., 28.6′ x 52′; owner and builder, Hugh H. Smith; architect, E. N. Boyden.

Aspen St., No. 8, Ward 21, frame dwell., 28′ x 45′; owner and builder, C. A. Russell.

Dromey Ave., near Brookford St., Ward 20, three-st'y frame dwell., flat roof, 26′ x 28′; owner, Catharine Drummey; builder, W. W. Dromey.

Blue Hill Ave., No. 192, Ward 20, three-st'y frame dwell., flat roof, 22′ x 54′; owner and builder, Matthew Scullion.

Kittredge St., opp. Norfolk St., Ward 24, frame dwell., 20′ x 41′; owner, Mrs. Elizabeth Urben; builders, Henning & Jellison.

Maple Ave., off Maple St., Ward 23, frame dwell., hip roof, 28′ x 32′; owner, J. S. Bailey; builder, M. A. Blanchard.

Walter St., near South St., Ward 23, frame dwell., 22′ x 30′; owner, Ellen M. Knowles; builder, Aurrin W. Knowles; architect, Henry Van Norden.

Mayfield St., near Dorchester Ave., Ward 24, frame dwell., 26.2′ x 46′; owner, R. L. Barstow; builders, Roberts & Hoare; architects, Winslow & Wetherell.

Spruce St., june. Bourne St., Ward 23, three-st'y frame dwell.; owner, Philip Chamberlain.

Brooklyn, N. Y.— *Hancock St.*, n s, 273′ 6″ w Tompkins Ave., three-st'y brick dwell., tin roof; cost, $12,000; owner, Wm. Reynolds, 403 Jefferson Ave.; architects, J. D. Reynolds & Son, 363 Fulton St.

Warwick St., w s, 130′ n Fulton Ave., two st'y frame dwell., shingle and tin roof; cost, $3,000; owner, John Amthor, 200 Hendrix St.; architect, Charles Meins, 2879 Atlantic Ave.

South Third St., s s, 100′ w Hooper St., 2 four-st'y brick dwells., tin roofs; cost, $6,000 each; owners, J. W. Lamb & Son, 1068 Putnam Ave.; architect, A. J. Lamb, 1068 Putnam Ave.

Leonard St., e s, 75′ n Stillman Ave., three-st'y frame dwell., tin roof; cost, $5,000; owner, James F. Ward, 184 Jackson St.; architect, Th. Engelhardt, 905 Broadway.

Clinton St., e s, 75′ s First Pl., 2 two-st'y dwells., gravel roofs; cost, $5,000 each; owner and architect, Edward J. O'Connor, 28 Chapel St.

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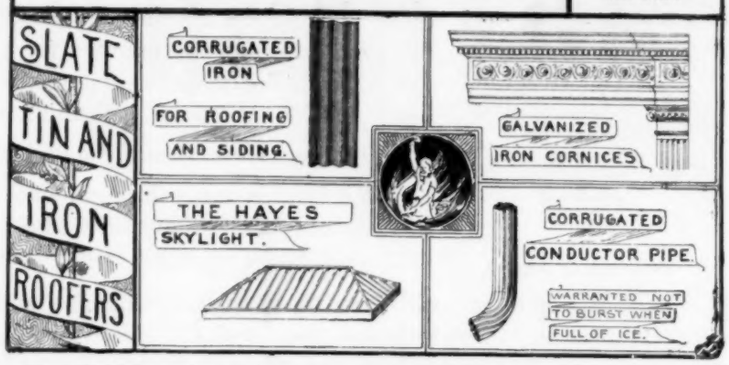

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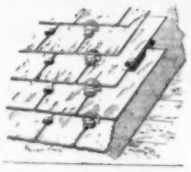

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Chicago, Ill. — L. Ashbeck, cottage, 858 Humboldt St.; cost, $1,100.

F. K. Purvis, cottage, 463 Belden Ave.

Mrs. L. Clark, two-st'y dwell., Place St., near Eighty-third St.; cost, $1,000.

William Painton, cottage, Brooks Ave., near Eighty-first St.

George Nowitzka, cottage, Houston St., near Eighty-second St.

George R. Long, two-st'y dwell., 6630 Oglesby Ave.; cost, $3,200.

Jacob Winter, cottage, Buffalo St., near Eighty-fifth St.

Mrs. Corbin, two-st'y dwell., Lexington Ave., near Sixty-fourth St.; cost, $3,000.

John Stanton, cottage, Emerald Ave., near Fifty-second St.; cost, $1,000.

S. Garrity, cottage, 5733 Sherman St.

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John Vaughan, cottage, Forty-eighth St., near Winter St.

E. M. Condit, two-st'y dwell., Howard St., near Sixty-fifth St.; cost, $6,000.

A. Lien, cottage, 86 Richmond St.; cost, $1,000.

Dorchester, Mass. — *Wales St.*, frame dwell., 31.6′ x 57′; owner, Mrs. Gertrude A. Brewster; builder, F. E. Reed; architect, Samuel J. Brown, Boston.

Alban St., frame dwell., 30′ x 55′; owner, Mrs. Sarah E. W. Smith; builder, M. C. Brownell; architect, Edwin J. Lewis, Jr., Boston.

Ashmont St., frame dwell., 32′ x 34′; owner, Mrs. Sarah E. W. Smith; builder, M. C. Brownell; architect, Edwin J. Lewis, Jr., Boston.

Detroit, Mich. — Nutt & Clark, brick dwell., 122 Park St.; cost, $3,000.

Thos Greather, three frame dwells., 395-399 Twombley Ave.; cost, $4,500.

Dr. F. D. Wheeler, brick dwell. and barn, 151 East High St.; cost, $3,000.

Mason & Rice, architects, frame dwell., 116 Dubois St.; cost, $3,500; also brick dwell., 666 Champlain St.; cost, $5,000.

John J. Owen, brick dwell., 194 Frederick St.; cost, $5,000.

A. B. Skinner & Co., six frame dwells., 45-49, etc., Park St. and 47-49 Elizabeth St.; cost, $20,000.

R. M. Bahan, 23 frame dwells., 50-116 Kauter Ave.; cost, $46,000; also two frame dwells., 130-132 Hamlin Ave.; cost, $4,000; and six frame dwells., 76, 80, 82, etc., Baltimore Ave.; cost, $32,000.

E. A. Walsh & Son, frame dwell., 201 Forest Ave.; cost, $3,500.

J. O. Harris, brick dwell., 1276 Second Ave.; cost, $3,500.

BUILDING INTELLIGENCE.

J. B. Smith, brick dwell., 1288 Second Ave.; cost, $3,000.

Peter Brennan, brick dwell., 309 Warren Ave.; cost, $3,000.

A. C. Varney & Co., architects, three-st'y brick double dwell., 354-356 East Congress St.; cost, $7,000; also two-st'y brick dwell., 481 Third Ave.; cost, $7,400.

Holyoke, Mass. — L. B. White, frame cottage; cost, $4,500; architects, Alderman & Lee.

L. B. White, dwell.; cost, $5,500; architect, W. C. Lee.

Hyde Park, Mass. — Frame dwell., 26′ x 54′; owner, F. A. Bridgman; contract to be let; architect, Edwin J. Lewis, Jr., Boston.

Minneapolis, Minn. — Sarah K. Carr, frame dwell., 3233-35 Stevens Ave.; cost, $5,000.

Newton (Mount Ida), Mass. — Frame dwell., 38′ x 52′; owner, Lewis E. Coffin; builder, H. F. Ross; architect, Samuel J. Brown, Boston.

Newton Centre, Mass. — *Grant Ave.*, opp. Marshall St., frame dwell., 44′ x 71′; owner, Adams D. Claflin; builders, Chas. H. & A. F. Ireland; architect, Samuel J. Brown, Boston.

New York, N. Y. — *Eighty-fifth St.*, n s, 105′ e Tenth Ave., 16 three-st'y brick dwells.; tin roofs; cost, $256,000; owner, D. Willis James, 11 Cliff St.; architect, John G. Prague, 1462 Sixth Ave.

West One Hundred and Fifty-sixth St., No. 549, three-st'y brick dwell., tin roof; cost, $7,000; owner, Annie L. Outwater, 43 East Twenty-eighth St.; architect, William M. Grinnell, 28 West Twenty-third St.

West Eighty-first St., Nos. 5-7, 2 four-st'y brick

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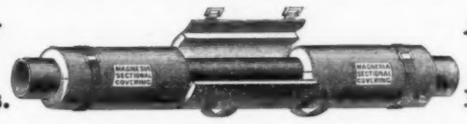

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dwells., tin roofs; cost, $50,000; owners, Currier & Baldwin, 6 West One Hundred and Thirtieth St. and 11 West Seventy-fourth St.; architect, Francis H. Kimball, 40 Broadway.

Seventieth St., n s, 180′ e Ninth Ave., 2 four-st'y brick dwells., tin roofs; cost, $52,000; owners and architects, Charles Buek & Co., 1187 Ninth Ave.

East Eightieth St., No. 402, five-st'y brick dwell., tin roof; cost, $20,000; owner, Rev. Jas. Dougherty, 413 East Seventy-ninth St.; architect, Michael Fitz Manomy, 50 Broadway.

Eighty-second St., s s, w Central Park, West, 3 four-st'y stone front dwells.; cost, $48,000; owner, Mrs. Mary Gault; architect, J. W. Cole.

One Hundred and Twenty-first St., n s, 90′ w Manhattan Ave., 10 three-st'y brownstone dwells.; cost, $100,000; owners, J. W. & A. A. Teets; architect, J. A. Webster.

Philadelphia, Pa.—*Old Second St.*, w s, s Emily St., 6 two-st'y dwells.; owner, John J. Cassidy, Moyamensing Ave. and McKean St.

Locust St., n s, w Thirteenth St., four-st'y dwell.; contractors, J. E. & A. L. Pennock, 305 Walnut St.

Waterloo St., w s, s Montgomery St., 11 two-st'y dwells.; owners, Eldridge & Stewart, 2101 American St.

Chew St., n s, w Clinton St., two-st'y dwell.; contractor, J. C. Reterman, 2543 Lee St.

High St., n s, e Morton St., 15 two-st'y dwells.; contractor, Thomas J. Carman, 138 Rittenhouse St.

Cedar St., e s, n High St., 11 two-st'y dwells.; contractor, Thomas J. Carman, 138 Rittenhouse St.

American St., e s, n Chew St., two-st'y dwell.; contractor, L. Altemus, Olney.

Grange St., n s, e Third St., two-st'y dwell.; contractor, L. Altemus, Olney.

Florence Ave., n s, w Fiftieth St., two-st'y dwell.; contractors, A. J. Mosley & Son, 5018 Florence Ave.

Twenty-seventh St., w s, n Highland Ave., 4 two-st'y dwells.; owner, L. B. Kraft, Ashbourne, Pa.

BUILDING INTELLIGENCE.

South St., s s, w Sixtieth St., 5 two-st'y dwells.; contractors, G. W. Stemmetz, Sixtieth-and-one-half and Hamilton Sts.

Cambria St., s e cor. Hart Lane, 5 two-st'y dwells.; contractor, Amos R. Crosta, 4536 Salmon St.

Hart Lane, s s, e Jasper St., two-st'y dwell.; contractor, Charles Keyser, 3014 Rorer St.

Hagerman St., n s, e Benner St., 8 two-st'y dwells.; contractor, Wm. H. Graham, 2640 Darien St.

Washington St., n and s s, e Edgmont St., 20 two-st'y dwells.; contractor, C. W. Cox, 826 Federal St.

Washington St., w s, s Hagerman St., two-st'y frame and stone dwell.; contractor, Jacob Wengelberger, 260 Bridge St.

Fairview Ave., e Eighty-fourth St., two-st'y dwell.; contractor, George B. Heath, Eighty-eighth St. and Ewing Ave.

Elmwood Ave., s Seventy-second St., three-st'y frame dwell.; owner, S. H. Brown, on premises.

Twenty-seventh St., w s, s Huntingdon St., 4 two-st'y dwells.; contractor, J. H. Polt, 2519 North Twenty-seventh St.

Berce St., n s, w Seventeenth St., 19 two-st'y dwells.; owner, Thos. Grinnan, 1637 Christian St.

Locust St., n s, w Thirteenth St., four-st'y dwell.; contractors, J. E. & A. L. Pennock, 305 Walnut St.

Fernon St., s s, e Sixth St., 11 two-st'y dwells.; contractors, R. & A. Wilson, Jr., 1711 South Twentieth St.

Spruce St., No. 1221, three-st'y dwell.; contractors, Gillison, Christie & Lackerbis, 1615 Catharine St.

Snyder Ave., No. 1114, two-st'y dwell.; contractors, Duross & Welsh, 758 South Broad St.

Bucknell St., w s, s Brown St., two-st'y dwell.; contractors, James Beatty & Son, 2114 Green St.

Howard St., w s, s Montgomery Ave., 12 two-st'y dwells.; owner, George Kessler, 1542 Franklin St.

Twentieth St., e s, s York St., 14 three-st'y dwells.; owner, Thomas Rankin, 2104 Fitzwater St.

BUILDING INTELLIGENCE.

Frankford Ave., w s, s Tioga St., 8 three-st'y dwells.; owner, Andrew McIlvane, Frankford Ave. and Tioga St.

Manayunk Ave., n e s, s e Penn St., two-st'y dwell.; owner, John Slemter, 4107 Manayunk Ave.

Pierce St., s s, bet. Seventeenth and Eighteenth Sts., 19 two-st'y dwells.; contractor, Timothy Gallagher, 1927 Dickinson St.

Corinthian Ave., No. 819, three-st'y dwell.; owner, Jno. R. Wiggins, 1536 Seybert St.

Hewson St., w s, bet. Belgrade and Hickey Sts., three-st'y dwell.; contractors, Jas. McAuley & Sons, 1328 Montgomery Ave.

Nineteenth St., e s, n Ontario St., 4 three-st'y dwells.; owner, M. McManus, 1416 Tioga St.

Markle St., n w s, w Ridge Ave., 2 two-st'y dwells.; contractor, Henry C. Hays, Ridge Ave., off Cresson's Lane.

Pittsfield, Mass.—F. A. Robins, dwell., Appleton St.; cost, $10,000; contractor, D. C. Bidell; architect, Rathburn.

Springfield, Mass.—Henry B. Swan, two-st'y dwell.; mason, C. G. Noel.

St. Louis, Mo.—Two-st'y brick dwell.; cost, $5,772; owner, H. Petonig; contractors, Dickey & Piel.

Two-st'y brick dwell.; cost, $6,000; owner, Seb Betz; contractor, G. Bittinger.

Two-st'y brick dwell.; cost, $2,500; owner, Mrs. Cornish; contractor, J. Chadwick.

Two-st'y brick dwell.; cost, $3,200; owner, M. Yore; contractor, C. M. Smiley.

Two-st'y brick dwell.; cost, $3,200; owner, C. Richard; contractors, Hetz & Hohenstein.

Two-st'y brick dwell.; cost, $3,500; owner, M. Roeder; contractor, R. Droeste.

Two-st'y brick dwell.; cost, $5,000; owner, S. Quinnette; contractor, J. C. Flynn.

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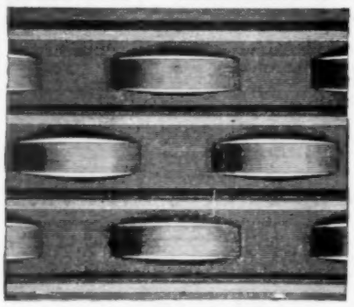
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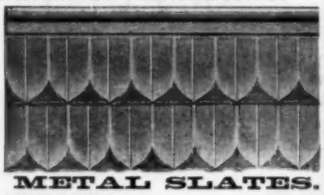
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Two-st'y brick dwell.; cost, $4,000; owner, E. G. Schoevle; sub-let.

Two-st'y brick dwell.; cost, $3,600; owner, J. Kluckmann; contractors, Boswell & Myers.

Two-st'y brick dwell.; cost, $6,500; owner, L. P. Haorigan; contractor, L. W. Manning.

Three-st'y brick dwell.; cost, $3,500; owner, A. Tintel; contractor, F. Mueller.

Two-st'y brick dwell.; cost, $7,000; owner, Mrs. Beeding; contractors, T. H. Busey & Co.

Two-st'y brick dwell.; cost, $3,200; owner, C. H. Pickels; contractor, J Stauder.

Two-st'y brick dwell.; cost, $3,000; owner, N. Kahn; contractor, J. Stander.

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Three-st'y brick dwell. and store; cost, $5,800; owner, E. Link; builder, F. Minke.

Two-st'y brick dwell. and store; cost, $3,000; owner, Jno. Shelly; contractor, Thos. Roach.

Two-st'y and mansard brick dwell.; cost, $4,000; owner, M. C. Morgan; contractor, Geo. Thomas.

Two-st'y brick dwell.; cost, $3,500; owner, Dehlendors; contractor, G. P. Schults.

Two-st'y brick dwell.; cost, $4,000; owner, Mrs. E. Bafferty, contractors, F. H. Gray & Bro.

Two-st'y brick dwell.; cost, $3,500; owner, F. Bradley; contractor, F. Meuke.

Three-st'y brick dwell.; cost, $8,000; owner, F. H. Schillingen; contractor, H. Schults.

Brick dwell.; cost, $5,000; owner, Wm. Rothschild; contractor, H. Schults.

Two-st'y brick dwell.; cost, $5,300; owner, S. A. Parker; contractor, A. Johnson.

Two-st'y brick dwell.; cost, $7,000; owner, Chas. Clark; contractor, J. W. Givens.

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Two-st'y brick dwell.; cost, $7,000; owner, B. R. Fenna; contractors, O'Malley Bros.

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Two-st'y brick dwell.; cost, $5,500; owner, L. Co.; contractor, A. H. Paesseler.

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Three-st'y brick dwell. and store; cost, $5,900; owner, A. Ferblow; contractor, L. Horman.

Two-st'y brick dwell.; cost, $6,000; owner, P. Muldoon; contractor, L. Horman.

Two-st'y brick dwell.; cost, $4,500; owner, B. H. Meyer; contractor, B. Koessters.

Two-st'y brick dwell.; cost, $3,400; owner, J. Missing; contractor, G. H. Tranel.

Two-st'y brick dwell.; cost, $3,090; owner, G. G. Bradford, architects, Nelson & Brady.

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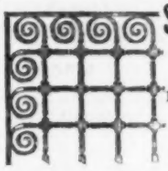
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BUILDING INTELLIGENCE.

State and Eastern Aves.; contract not let; architect, F. S. Newman.

St. Louis, Mo. — One-st'y brick school; cost, $3,400; owner, St. Columkill's School; architects, Nelson & Brady.

STABLES.

Boston, Mass. — *Evans St., rear*, cor. Nelson St., Ward 24, two-st'y frame stable, pitch roof, 25′ x 28′; owner, W. Kelley; builder, W. A. Maculey.

Huntoon St., near Adams St., Ward 24, one-st'y frame stable, pitch roof, 23′ x 30′; owner, C. Brock; builders, Chute Bros.

St. Louis, Mo.— Brick stable; cost, $4,000; owner, L. Schlosstein; contractors, Hanson & Weber.

Brick stable; cost, $5,000; owner, Charles Clark; contractor, J. W. Givens.

STORES.

Boston, Mass. — *West Broadway, No.* 403, Ward 14, three-st'y brick stores and offices, flat roof, 24′ x 69′; owner, R. L. Barstow, guardian; builders, Clark & Lee.

West Broadway, No. 405, Ward 14, three-st'y brick stores and offices, flat roof, 48′ x 49′; owners, Esther A. Baker heirs; builders, Clark & Lee.

MISCELLANEOUS.

Northampton, Mass. — Smith College Gymnasium, brick and terra-cotta, stone trimmings; architects, Mather & Whiting.

St. Louis, Mo. — One-st'y brick power-house; cost, $10,000; owners, N. D. Ry. Co.; contractors, Itner & Spore.

Brick power-house; cost, $5,000; owners, Southern Ry. Co.; contractor, T. J. Ward.

One-st'y brick cooperage; cost, $9,700; owners, Anheuser-Busch Brew. Co.; contractors, W. Reivve & Son.

One-st'y brick hall; cost, $3,000; owner, E. Oberbeck; contractor, G. Mueller.

PROPOSALS.

September 1, 1890. 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 30th day of September, 1890, for all the labor and materials and putting in place complete the iron columns, iron floor and iron and wood roof construction, terra-cotta arches, etc., for the United States Custom-house, Post-office, etc., building at Port Townsend, Washington, 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 $200. The Department will reject all bids received after the time herein stated for the opening of the same; also, bids which do not comply strictly with all the requirements of this invitation. Proposals must be enclosed in an envelope sealed and marked "Proposal for the Iron Columns, Iron Floor and Iron and Wood Roof Construction, Terra-cotta Arches, etc., for the United States Custom-house, Post-office, etc., at Port Townsend, Washington," and addressed to JAS. H. WINDRIM, Supervising Architect. 768

August 26, 1890. 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 17th day of September, 1890, for all the labor and materials required to put in place complete the plumbing and drainage of the United States Custom-house, etc., building at Galveston, Texas, 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 $100. The Department will reject all bids received after the time herein stated for the opening of the same; also, bids which do not comply strictly with all the requirements of this invitation. Proposals must be enclosed in an envelope sealed and marked "Proposal for Plumbing, etc., for the United States Custom-house, etc., building at Galveston, Texas," and addressed to JAS. H. WINDRIM, Supervising Architect. 767

August 20, 1890. Sealed proposals will be received at the office of the Supervising Architect, Treasury Department, Washington, D. C., on or before 2 o'clock P. M. on the 19th day of September, 1890, for all the

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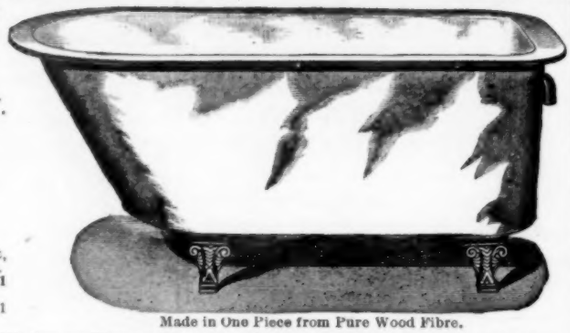

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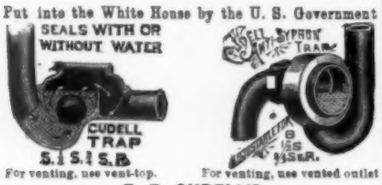

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PROPOSALS.

labor and materials required in the erection and completion of the United States Post-office building at Watertown, N. Y. (heating apparatus not included), 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. Each bid must be accompanied by a certified check for $500. The Department will reject all bids received after the time fixed for the opening of the same; also, bids which do not comply strictly with all the requirements of this invitation. Proposal must be enclosed in an envelope sealed and marked "Proposal for the Erection and Completion (except Heating Apparatus) of the United States Post-office Building at Watertown, N. Y.," and addressed to JAS. H. WINDRIM, Supervising Architect. 767

August 21, 1890. Sealed proposals will be received at the office of the Supervising Architect, Treasury Department, Washington, D. C., on or before 2 o'clock P. M. on the 8th day of September, 1890, for all the labor and material required for the excavation, concrete foundation, stone and brick work of the basement and area walls of the United States Post-office, Court-house, etc., at Troy, N. Y., in accordance with the drawings and specification, copies of which may be had at this office or the office of the Superintendent at Troy, N. Y. Each bid must be accompanied by a certified check for $500. The Department will reject all bids received after the time fixed for the opening of the same; also, bids which do not comply strictly with all the requirements of this invitation. Proposal must be enclosed in an envelope sealed and marked "Proposal for the Excavation, Concrete Foundation, Stone and Brick Masonry for the Basement and Area Walls of the Post-office, Court-house, etc., at Troy, N. Y.," and addressed to JAS. H. WINDRIM, Supervising Architect. 767

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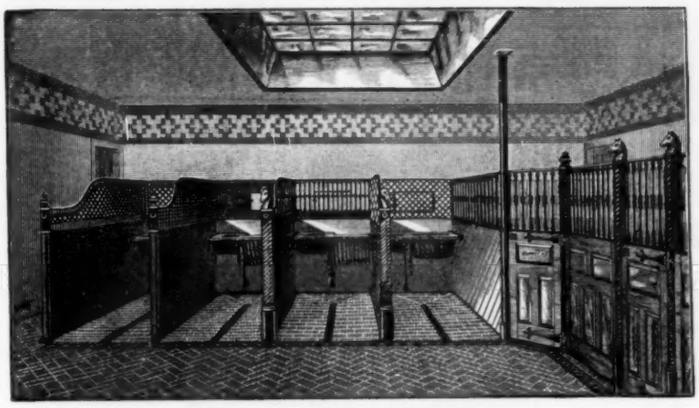

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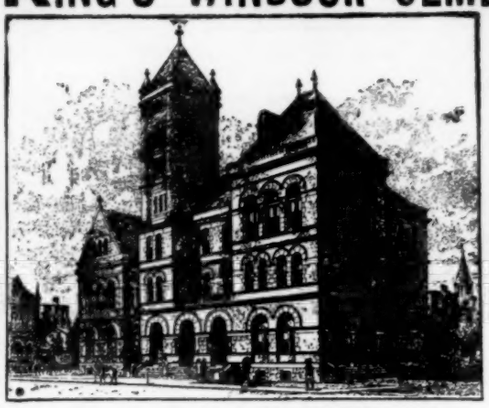

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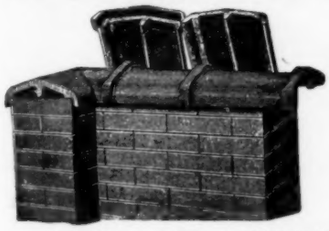

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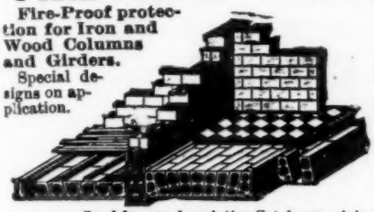

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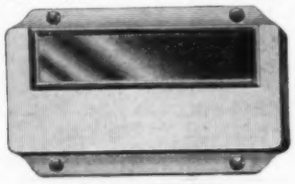

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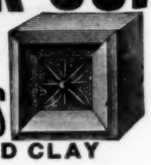

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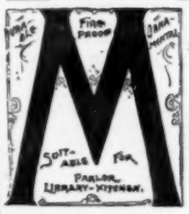

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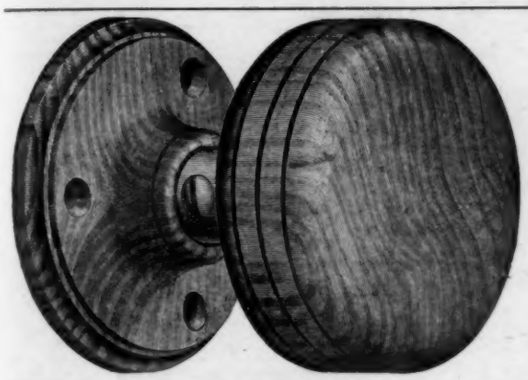

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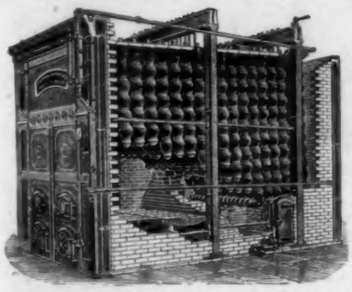

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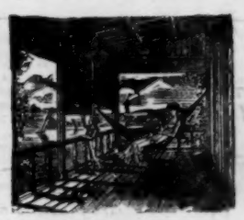
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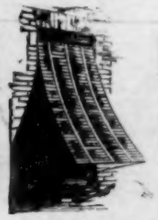
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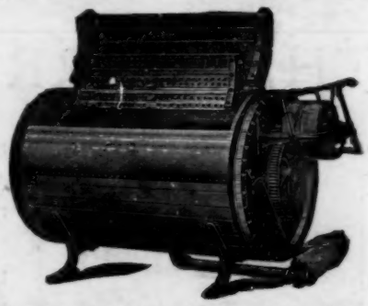

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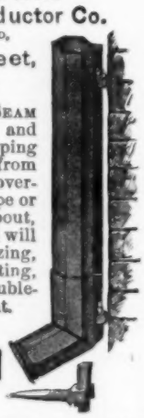

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BUILDING MATERIALS.

LUMBER.—₱ M.	New York. (*Wholesale Prices.*)	Boston. (*Price to Builders and Contractors.*)	Chicago.	Philadelphia.
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	@ 25 00	13 00 @ 25 00	*Not sold.*	16 00 @ 20 00
Hemlock	@ 13½ @ 14	13 00 @ 15 00	@ 12 00	11 25 @ 13 50
Yellow pine	20 @ 40	25 00 @ 35 00	29 00 @ 37 00	14 00 @ 29 00
Cypress	@	32 00 @ 40 00	@	@ 35 00
Clapboards:				
Pine	@	40 00 @ 60 00	10 00 @ 22 00	14 00 @ 25 00
Spruce	@	25 00 @ 45 00	*Not sold.*	*Not Sold.*
Framing Timber:				
Pine			12 00 @ 15 00	25 00 @ 37 30
Spruce	14 00 @ 18 00	15 50 @ 20 00	*Not sold.*	16 00 @ 18 00
Hemlock	12 00 @ 16 00	14 00 @ 16 00	10 00 @ 13 00	13 00 @ 17 00
Yellow pine	18 00 @ 21 00	24 00 @ 35 00		22 00 @ 28 00
Laths:				
Pine	@	2 25 @ 2 35	2 10 @ 2 25	2 75 @ 3 00
Spruce	2 20 @ 2 25	2 25 @ 2 50	*Not sold.*	2 30 @ 3 00
Shingles:				
Pine, shaved ₱ 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 ₱ 125	1 40 @ 1 60	3 75 @ 4 00	6 00 @ 7 50	30" $35 @ 40; 24" 8 @ 21; 20" 35 @ 14
Cedar, split ₱ M	@	@	*Not sold.*	
Cedar, sawed "	@	2 00 @ 4 00	2 00 @ 2 35	
Cypress. Split...7 x 24. "	18 00 @ 20 00	5 00 @ 6 00	3 50 @ 4 00	11 00 @ 14 00
Miscellaneous:				
Piles ₱ ft.	4½ @ 5½	Piles 6c. ₱ 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 "	@	25 @ 50	*Not sold.*	30 @ 35
Finishing Woods: ₱ M. (*First Qual.*)				
Ash [*Kiln dried.*]	@ 55 00	45 00 @ 60 00	30 00 @ 40 00	30 00 40 00
Cherry	80 00 @ 120 00	85 00 @ 120 00	80 00 @ 100 00	80 00 @ 100 00
Butternut	40 00 @ 60 00	60 00 @ 70 00	50 00 @ 60 00	70 00 @ 80 00
Hard-pine floors (rift)		50 00 @ 60 00		
Mahogany, Baywood [Mexican]	@ 180 00	150 00 @ 160 00	150 00 @ 200 00	150 00 @ 250 00
" St. Domingo	@ 350 00	120 00 @ 350 00	200 00 @ 250 00	200 00 @ 400 00
Maple	45 00 @ 50 00	45 00 @ 50 00	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 @ 80 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 ₱ lb	@ 6		@ 7	
Spruce floors (clear, kiln-dried)		32 00 @ 35 00		
Walnut, black	125 00 @ 150 00	85 00 @ 120 00	55 00 @ 100 00	50 00 @ 17 00
Whitewood	45 00 @ 50 00	40 00 @ 45 00	18 00 @ 40 00	25 00 @ 40 00
Yellow pine ₱ M	@ 45 00	40 00 @ 42 00	29 00 @ 40 00	27 50 @ 45 00

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BUILDING MATERIALS.

Reported for the American Architect and Building News.

	New York. (Wholesale Prices.)	Boston.	Chicago.	Philadelphia.
		(Prices to Builders and Contractors.)		
BRICK.—₱ M.				
Common: *Cargo afloat.*				
Pale	3 00 @ 3 50	Eastern 9 00 @ 10 00	Building Brick @ 6 50	Sq. Hard @ 12
Jersey	5 25 @ 6 25	Bay State Hard 9 00 @ 10 00		" @ 9 00
Long Island	6 25 @ 6 75	Domestic Com. 9 50 @ 10 00	Indiana Pressed 14 00 @ 20 00	Salmon @ 6 50
Up River	6 00 @ 6 50	Domestic Face 20 00 @ 22 00	St. Louis Fronts @ 27 00	Sq. " @ 9 00
Haverstraw Bay 2nd	6 50 @ 6 75	Philadelphia 40 00 @ 45 00	15 00 @ 27 00	Light Stretchers @ 12 00
" 1st	7 00 @ 7 25	Phila. mould 50 00 @ 80 00	65 00 @ 350 00	Medium " @ 14 00
Hollow	@ 13 00	Anderson 14 00 @ 32 00	@ 55 00	Red " @ 15 00
Fronts			45 00 @ 50 00	Dark " @ 15 00
Croton, Brown	14 00 @ 15 00		45 00 @	Pressed 22 00 @ 26 00
" dark	15 00 @ 16 00		25 00 @	Best Paving @ 16 00
" red	15 00 @ 16 00		60 00 @ 100 00	Second " @ 14 00
Chicago pressed (Anderson)			30 @	Third " @ 13 00
Chicago Moulded			35 @	
Baltimore	7 00 @ 41 00		55 00 @ 65 00	
Philadelphia	@ 22 00		@ 100 00	Dom. @ 65
Trenton	@ 22 00		@ 120 00	@ 85
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.—(₱ cask.)				
Rosendale Cement	90 @ 1 00	1 20 @ 1 40	*Not Sold.*	1 30 @ 50
Louisville "	*Not sold.*	Brooks, S. & Co 2 60 @ 3 00	1 05 @ 1 30	B & S.E. 275 @ 300
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
" " (Burham)	2 50 @ 2 80	2 60 @ 3 00	2 90 @ 3 15	2 75 @ 2 85
" " (White's)	2 65 @ 3 00	2 00 @ 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
" " (Vorwohler)	2 50 @ 2 90	Cleopatra 2 55 @ 3 00	@	2 50 @ 2 75
" " (Lagerdofer)	@	3 00 @ 3 50	2 75 @ 3 00	3 00 @ 3 25
" " (Dyckerhoff)	2 90 @ 3 25		3 25 @ 3 50	2 75 @ 2 85
" " (Hanover)	2 50 @ 3 00	2 15 @ 2 50	*Not Sold.*	
" " Stettin, (Anchor)	2 35 @ 2 85	@ 3 00	*Not Sold.*	2 50 @ 2 75
" American (Saylor's)	2 15 @ 2 45	@ 6 00	2 75 @ 3 00	3 00 @ 3 50
Roman	2 75 @ 3 00	@ 11 50	2 75 @ 3 25	6 50 @ 7 00
Keene's coarse	5 75 @ 6 50		6 00 @ 7 00	8 00 @ 9 00
" superfine	9 25 @ 10 25		9 @ 10 50	
Lime				White Lime 25 @ 30 ₱ bush
Lime of Teil	3 50 @ 4 00	@ 1 35	*Not sold.*	White Mass 1 25 @ 1 50
Hydraulic Lime	@ 1 45	St. John 1 00	55 @	1 00 @ 1 00
Chicago Lime in bulk		@ 1 05	60 @	
Wisconsin "	@ 1 00	@ 1 10	*Not sold.*	*Not sold.*
Rockland and Rockport, (Com.)	@ 1 20	@ 1 20	*Not sold.*	*Not sold*
Rockland and Rockport, finish.	@ 1 20	*Not sold.*	1 00 bulk, 75c.	1 50 @ 2 25
Kelley Island Lime, finish.	@ 85	*Not sold.*	*Not sold.*	1 75 @ 2 50
State, com. cargo rates (nom.)	@ 1 10	1 85 @ 2 00	*Not sold.*	20 @ 25
State, finishing "	1 20 @ 1 25	@ 2 25	1 85 @ 1 90	30 @ 35
Plaster of Paris (calcined.)	1 30 @ 1 35	25 @ 30	1 85 @ 1 90	@ 1 50
" (casting)	12 @ 15	@ 30	20 @ 25	
Hair (Cattle) ₱ *bush*	22 @ 25	1 75 @ 1 90	30 @ 55	55 @ 65
" (Goat)	1 00 @ 1 25		@ 60	
Sand, ₱ *load*				
STONE. (₱ *cubic foot, rough.*)				
Granite: (*Maine*)	45 @ 1 25	@ 60		75 @ 90
Limestone:	@ 1 00	95 @ 1 00	50 @	Richmond
Bedford	@		38 @ 55	75 @ 1 50
Joliet	@		35 @ 62	4 50 ₱ Perch
Lemont	@		@ 1 00	
Serpentine		10 50 per ton		

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	New York. (Wholesale Prices.)	Boston. (Prices to Builders and Contractors.)	Chicago.	Philadelphia.
Mortar Colors.				
Black, brown, buff ℔ lb.	@ 2½			
Colorific ℔ lb.	@ 2½			
Red	@ 3			
White ℔ bbl	@ 1 75			
Foundation:				
Dimension	@	5 00 ℔ ton	20@	@ 5 00
Block	@	4 60 ℔ perch		Conshocken
Rubble	@	1 25 @ 1 50	8 50 @	1 45 @ 2 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		95 @ 1 16
Kibbe	@ 90	90 @ 1 10		
Brown (Connecticut)	1 00 @	1 25 @ 1 45	1 50 ℔ cub. ft.	1 05 @ 1 35
Amherst } Ohio	90 @ 95	90 @ 1 00	45 @ 50	55 @ 1 00
Berea } Ohio	75 @ 1 00	85 @ 90	45 @ 55	
Berlin } Ohio	75 @ 1 00	80 @ 90	55 @ 65	
Belleville	80 @ 1 25	1 25 @ 1 35	@ 1 25	1 10 @ 1
New Brunswick (Dorchester)	@ 1 00	75 @ 80	"	1 00 @ 1
Caen	@	@ 2 00	"	1 25 @ 1
Carlisle. English	@ 1 05	@ 1 05		95 @ 1
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	350 @ 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 (℔ *squares*)				
" 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 @ 5 85	3 25 @ 4 00
" " Chapmans	—	@	7 30 @ 8 00	4 00 @ 4 65
" Unfading Black, Monson, Me.	5 50 @ 8 00	5 50 @ 8 0	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 @ 7½	@ 7½	6½ @ 7	@ 7
" Zinc, "	5 @ 8½	@ 8	7 @ 10½	@ 7
Red lead, Am.	6½ @ 7	@ 7½	6½ @ 7	@ 7
" Venetian	6 @ 10½	7 @ 12	1½ @ 2½	dry Eng. @ 8
" Vermilion	65 @ 70	72 @ 75 dry	65 @ 68	Eng. @ 68
Red Indian, Eng.	12 @ 20	12 @ 20	12 @ 20	6½ @ 7
Yellow Ochre	6 @ 15	7 @ 12	3 @ 15	dry Am. @ 1½
" Chrome	12 @ 20	18 @ 25	15 @ 25	@ 18
Green (chrome)	8 @ 13	8 @ 20	8 @ 20	@ 12
Green, Paris,	25 @ 40	25 @ 40	18 @ 35	" 20 @ 25
Black, lamp,	15 @ 25	15 @ 25	8 @ 30	@ 12
Blue, ultramarine	12 @ 18	18 @ 36	12 @ 35	@ 20
Oil, linseed, (raw) (℔ *gal.*)	59 @ 62	59 @ 60	57 @ 60	@ 58
" " boiled (℔ *gal.*)	62 @ 65	62 @ 63	60 @ 63	@ 61
Turpentine (℔ *gal.*)	41 @ 42	@ 44	51 @ 51	@ 50
Varnish, coach (℔ *gal.*)	@	1 50 @ 6 00	1 25 @ 2 00	@ 3 00
Shellac (℔ *gal.*)	@	2 50 @ 3 00	2 25 @ 4 00	@ 2 75
Putty	2 @ 4	2 @ 4	02 @ 02½	@ 2
Whiting (℔ *cwt.*)	75 @ 1 00	1 @ 1½	1 @ 1½	@ 1
Paris white, (Eng.) (℔ *cwt.*)	1 30 @ 2 00	2 @ 3	1½ @ 2	@ 1½
Litharge, Am. (℔ *cwt.*)	5½ @ 6	@ 7½	6½ @ 7	@ 7
Sienna (burnt) (℔ *cwt.*)	14 @ 20	14 @ 20	4 @ 16	@ 14
Umber, " (℔ *cwt.*)	14 @ 20	14 @ 20	2 @ 10	@ 12
HARDWARE.				
Nails: (*Per Cask.*) Spikes, (*wrought.*)	@ 2 85		2 75 @ 3 00	pr kg @ 2 25
10d. common	@ 2 60	@ 2 20	@ 2 85	@ 2 30
Shingle	@ 3 35	@ 2 30	@ 2 75	@ 2 60
Lath	@ 4 85	@ 3 5	@ 3 65	3 60 @ 4 75
Finishing nails according to size.)			Add .85 to $1.15	per ℔ 4 @ 6
(*For casing nails add 75c. per keg.*)			" .50 to .90	Add pr cask
Butts: 4"x 4" (℔ 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 (℔ pair.)	@ 65	@ 50	*Not sold.*	48 @ 50
Bronze metal	@ 1 90	plain 1 65	2 00 @ 3 25	@ 1 25
Brass (w/ cupboards)	@ 10	@ 10	@ 12	@ 1 00
Ebony				@ 35
Apple wood				37 @ 1 00
Knobs: (℔ *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 @ 16	13½ @ 16
Sheet Lead		@ 7¾	7	@ 6½
Lead Pipe		@ 7	6½	6 @ 6
Iron:				
I-Beams, up to and including 30 ft.	3 3-10 @ 3½	@ 3 1-10	@	@ 2 8-10
I-Beams, over 30 ft. ¼, ½, ¾ c. advance.	@		3 20 @ 3 70	@ 2 8-10
Channel-Beams	3 3-10 @ 3½	@ 3 1-10	" "	@ 2 8-10

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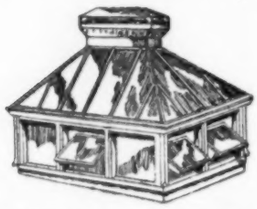

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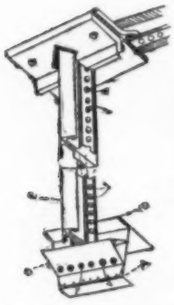

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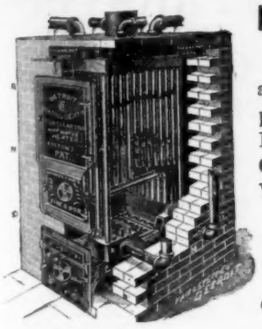

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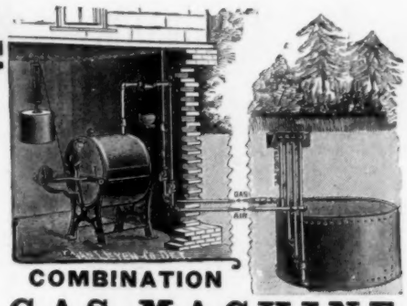

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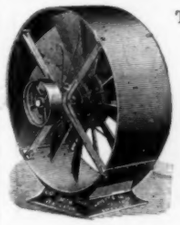

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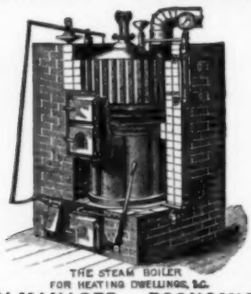

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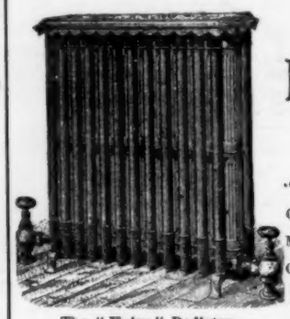

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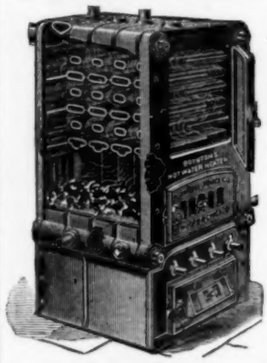

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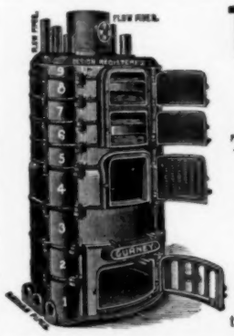

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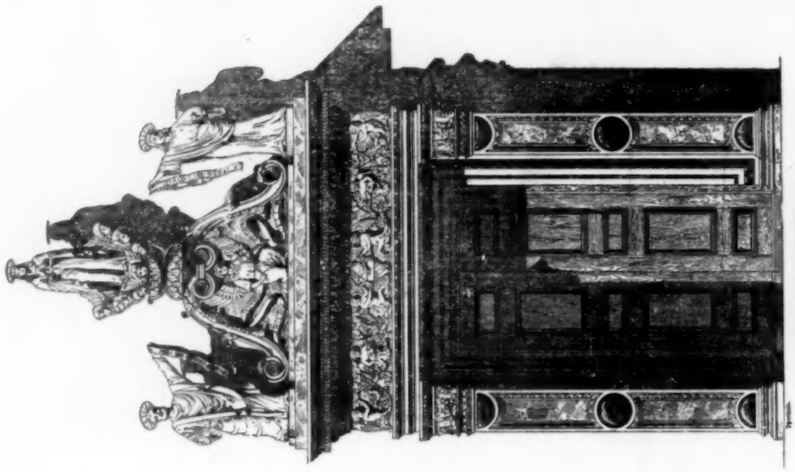

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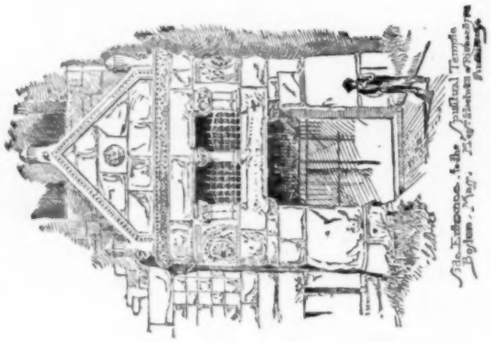
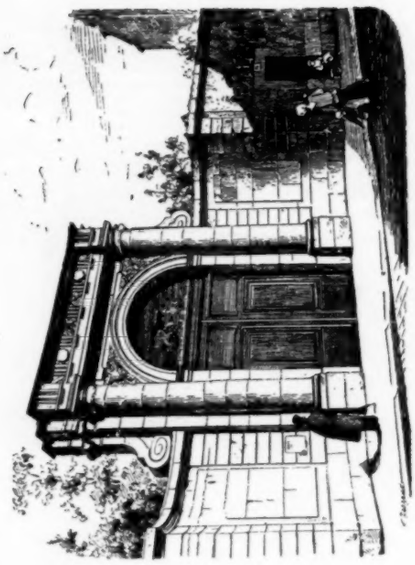
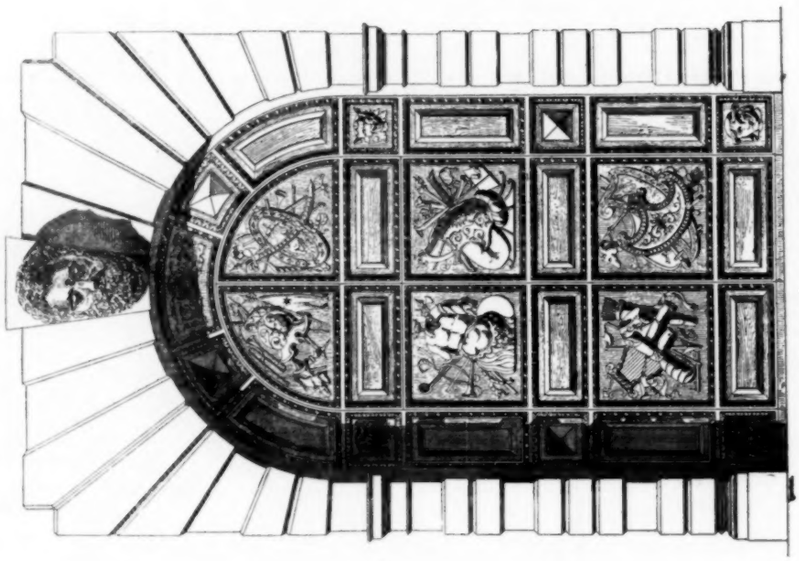




Gate of the Convent des Filles de la Croix, Rue de Charonne, Paris.



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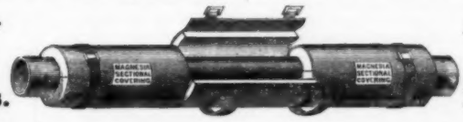

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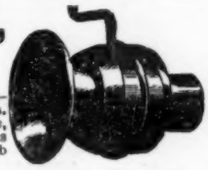

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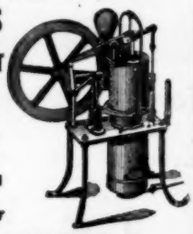

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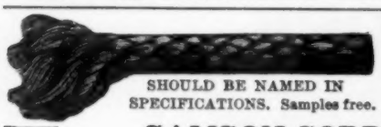

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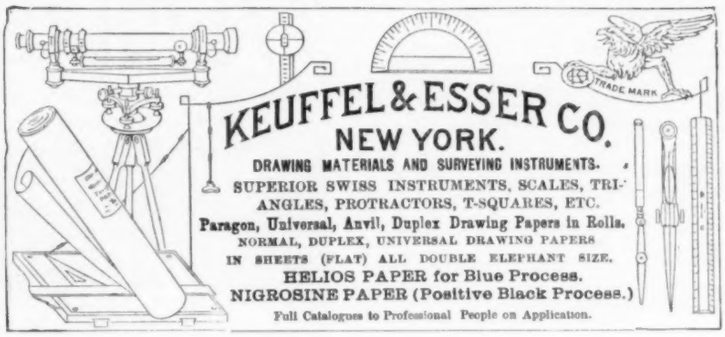

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[*This Table localize only the main groups. For a full enumeration of advertisements see Classified Index on pages xxi, and xxii.*]

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For the American Architect and Building News Co.

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WOLCOTT & WEST (Syracuse, N. Y.), Entry Ledger. Page xiv.

WANTED.

POSITION. — Young English architect, twelve years' experience in leading London offices, desires engagement; good draughtsman and colorist. Address "Athenæum," office of *American Architect.* 768

WANTED.

POSITION. — A young draughtsman, well up in design and detail, accurate and quick, familiar with New York office-work, desires a position with a first-class architect of same city. Address "Knickerbocker," care *American Architect.* 768

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435,266. Fire-Escape. — Henry Vieregg, Grand Island, Neb.

435,290. Hood for Heat-Radiators.—George E. Dixon, Chicago, Ill.

435,299. Burner for Natural Gas. — Oscar F. Grant, Pittsburgh, Pa.

435,313. Door-Frame. — Frank R. H. Lohse, St. Louis, Mo.

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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.*]

ALTERATIONS.

Boston, Mass. — *Marlborough St., No.* 241, interior finish; contract to be let; architects, Little & Brown.

Brookline, Mass. — *Washington St.,* alterations to dwell. for Martha W. Blake; builder, B. W. Neil; architects, Shepley, Rutan & Coolidge, Boston.

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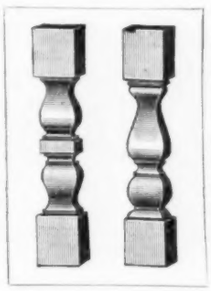

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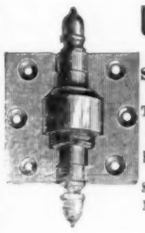

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Siegel St., n s, 125′ w Graham Ave., three-st'y brick store and dwell., tin roof, raised one story, four-st'y brick extension, tin roof, added and internal alterations made; cost, $4,000; owner, A. Barash, on premises; architect, Henry Vollweiler, 486 Hart St.

Marcy Ave., n w cor. Grand St., three-st'y brick store and factory, tin roof, raised one story and internal alterations made; cost, $5,500; owner, Lewis Bellmar, 295 Grand St.; architects, Helneke & Co., 77 Rodney St.

Bedford Ave., s w cor. Hancock St., 2 four-st'y brick stores and dwells., tin roofs, four-st'y brick extension, tin roof, added and internal alterations made; cost, $13,500; owner, M. Moller; architect, W. H. Gaylor, 110 South Eighth St.

Columbia Heights, No. 163, two-st'y brick stable, tin roof, two-st'y brick extension, gravel roof, added; cost, $5,000; owner, Henry K. Sheldon, 220 Columbia Heights.

Fulton St., Nos. 402-404, four-st'y brick store, tin roof, internal alterations; cost, $5,500; owner, John French, Clinton and Gates Aves.; architect, John Mumford, 16 Court St.

Warren St., s s, 130′ w Hicks St., three-st'y brick school and club-house, tin roof, one-st'y brick extension, tin roof, added; cost, $3,000; owner, St. Peter's Parish, Rev. Joseph Fransioli; architect, J. W. Bailey, 66 Court St.

Greene Ave., No. 42, one-st'y brick church, tin roof, one-st'y brick extension, tin roof, added and internal alterations made; cost, $14,000; owner, John Loughlin, Bishof, Greene Ave.; architect, Joseph Weibler, 101 East One Hundred and Sixteenth St., New York City.

Van Dyke St., n s, 200′ e Van Brunt St., one-st'y brick factory, gravel roof, raised one story and altered internally; cost, $4,500; owners, Knowles Bros., on premises.

Camden, N. J. — *Delaware Ave.*, s e cor. Arch St., addition of iron store; owners, Vanseiver & Co.

Chicago, Ill. — W. G. Griswold, two-st'y addition, 4035 Oakenwald Ave.; cost, $2,000.

Gust. Stern, one-st'y addition, 731 Sheffield Ave.; cost, $1,500.

S. Brandt, one-st'y addition, 1132 Melrose St.

BUILDING INTELLIGENCE.

John Martin, one-st'y addition, 149 Twenty-fifth Pl.; cost, $2,000.

J. Roeder, two-st'y addition, 404 Western Ave.; cost, $1,000.

Philip Pfell, two-st'y addition, Laflin and Forty-eighth Sts.; cost, $1,600.

Y. Byhoff, one-st'y addition, 4458 Wood St.

John Camoran, three-st'y addition, 169 Fifty-first St.; cost, $4,000.

Detroit, Mich. — A. C. Varney & Co., architect, four-st'y brick rear addition, 64-66 Randolph St.; cost, $4,500.

New York, N. Y. — *West Sixteenth St., Nos.* 27-29, are to be remodelled and extended for use by the St. Francis Xavier Club; architect, Thos. H. Poole.

Three-st'y extension to hospital building; owner, New York Orthopædic Hospital; architect, Charles C. Haight.

Salem, Mass. — *Chestnut St.*, alterations to brick dwell. for W. G. Barker; addition and change of interior; colonial style; Joseph Parsons, mason; architects, Little & Brown, Boston.

Southborough, Mass. — Alterations to St. Mark's Church; addition of stone tower and lengthening nave; mason, A. Phaneuf, Boston; architect, W Frank Hurd, Boston.

St. Louis, Mo. — New front to store; cost, $16,800; owner, A. Busch; contractor, C. Kellerman.

APARTMENT-HOUSES.

Boston, Mass. — *Blossom St.*, brick apartments, 20′ x 40′; owner, E. B. Goodsell; contract to be let; architects, Loring & Phipps.

Chicago, Ill. — N. Knast, two-st'y flats, Thomas and Forty-ninth Sts.

J. Strobel, two-st'y flats, 939 Rebecca St.; cost, $2,000.

F. Vaunis, two-st'y flats, 911 Ashland Ave.; cost, $3,000.

Henry O. Brian, two-st'y flats, 238 Belden Ave.; cost, $5,000.

C. Christiansen, two-st'y flats, 637 West Huron St.; cost, $1,500.

S. N. Rotte, 6 two-st'y flats, 67-1151 Devlin St.; cost, $9,600.

P. Halloran, two-st'y flats, 3266 La Salle St.; cost, $3,300.

William Porter, three-st'y flats, 726 West Ohio St.; cost, $6,000.

BUILDING INTELLIGENCE.

John C. Doose, three-st'y flats, 475 North Wood St.; cost, $5,000.

Mina Spencer, two-st'y flats, 4212 Wabash Ave.; cost, $4,000.

August Anderson, two-st'y flats, 111 Curtis St.; cost, $1,700.

Fanny Monroe, two-st'y flats, Winchester Ave. and Forty-sixth St.; cost, $1,200.

John M'Ginnis, two-st'y flats, 560 Forty-sixth St.; cost, $1,500.

A. Carlson, two-st'y flats, Logan and Winter Sts.; cost, $1,600.

Henry Hoppe, two-st'y flats, 3660 South Paulina St.; cost, $3,500.

M. Howell, two-st'y flats, Seventy-first St. and Stony Island Ave.; cost, $4,000.

John Lzkolny, two-st'y flats, 827 Thirty-second St.; cost, $2,300.

M. Howell, three-st'y flats, Seventy-first St., near Stony Island Ave.; cost, $4,000.

F. R. Woodruff, two-st'y flats, Forty-eighth St. and Champlain Ave.; cost, $4,000.

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Chief Engineer.

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Joseph Mudra, three-st'y flats, 18 O'Brien St.; cost, $5,000.

Thomas Scanlan, two-st'y flats, 4200 Park Ave.; cost, $3,800.

Ralph L. Price, 4 two-st'y flats, 7000-06 Webster Ave.; cost, $16,000.

Mrs. Keating, two-st'y flats, 525 Sacramento Ave.; cost, $3,500.

Niels C. Sorenson, two-st'y flats, 584 Turner Ave.; cost, $3,000.

Luke Coyne, two-st'y flats, Albany Ave. and Thirteenth St.; cost, $3,500.

H. C. Freena, two-st'y flats, 846 Southport Ave.; cost, $2,000.

Simon Grim, two-st'y flat, 72 Central Park Ave.; cost, $3,000.

Halvor Hanson, four-st'y flats, 225-227 West Erie St.; cost, $16,000.

Walter T. Ekland, four-st'y flats, 191 Townsend St.; cost, $15,000.

J. E. Wood, two-st'y flats, 340 Center Ave.; cost, $3,500.

John Phillips, two-st'y flat, 2107 Dearborn St.; cost, $5,300.

Somerville, Mass.—*Sycamore St.*, frame apartment-house, 26′ x 60′; owner, Benj. F. Brown, trustee; builder, John K. Ricker.

CHURCHES.

Canton, Mass. — Frame church for Universalist Society; cost, abt. $10,000; contract to be let; architects, Loring & Phipps, Boston.

Jamaica Plain, Mass.— *Rockview St.*, cor. St. John St., frame chapel, 36′ x 50′, for Universalist Society; contract to be let; architects, Loring & Phipps, Boston.

St. Louis, Mo.—One-st'y brick church; cost, $15,000; owner, Salem Ref. Church; contractors, E. Wind & Co.

Wadesboro, N. C. — The Methodists will build a church, to cost $60,000.

White Plains, N. Y.—Church; cost, $100,000; owner, The Reynal Memorial Church of St. John the Evangelist; architect, T. H. Poole.

FACTORIES.

Chicago, Ill. — National Ink Co., two-st'y ink-factory, 842 Austin Ave.; cost, $10,000.

William Erbey, two-st'y shop, 176-178 Indiana St.; cost, $8,000.

New York, N. Y. — *South Fifth Ave., No.* 57, seven-st'y brick factory, tin roof; cost, $25,000; owner, Sarah K. Pupin, 68 West Seventy-second St.; architect, Alex I. Finkle, s w cor. Broadway and Spring St.

HOTELS.

Asheville, N. C. — It is reported that the Asheville Park & Hotel Co. propose building a hotel, to cost $1,000,000.

Indian Springs, Ga. — A hotel, to cost $30,000, will be built here by Edward Elder, Esq.

Marion, N. C. — The Catawba Hotel Co. will build a hotel, to cost $50,000, from plans by W. H. Floyd, architect, Chattanooga, Tenn.

Natural Bridge, Va. — The building of a hotel, to cost $250,000, is contemplated by the Natural Bridge Park Association.

HOUSES.

Allegheny City, Pa. — *Western Ave.*, stone dwell., 33′ x 72′; owner, R. H. Boggs; builder, H. O. Schenck; architects, Longfellow, Alden & Harlow, Boston.

Stone dwell., 25′ x 85′; owner, Joseph Walton; builders, A. & S. Wilson, Pittsburgh, Pa.; architects, Longfellow, Alden & Harlow, Boston.

Allegheny Ave., sandstone dwell., 56′ x 88′; cost, abt. $30,000; owner, H. W. Oliver; builder, Mr. Bruggerman; architects, Shepley, Rutan & Coolidge, Boston.

Baltimore, Md.—Richard Drechsel, three-st'y brick building, s s Smith St., bet. Argyle Ave. and Shield's Alley.

Beachmont, Mass.—Double frame dwell., 39′ x 47′; electric lighting, etc.; cost, abt. $5,000; owner, Miss E. P. Rudd; builder, R. H. Collupy; architect, J. F. Eaton, Boston.

Boston, Mass. — *Arlington St.*, near Parsons St., Ward 25, frame dwell., 28′ x 32′; owner, Edward McNamara; builder, Dennis De Grace.

Ashford St., No. 54, Ward 25, frame dwell., hip roof, 34.10′ x 41.6′; owner, Ada Hammond; builder, A. E. Ellis; architect, Eugene L. Clark.

Crawford St., near Harold St., Ward 21, frame dwell., 28.10′ x 50′; owner, R. D. Hall; builder, John H. Proctor.

Carolina Ave., near South St., Ward 23, frame dwell., 24′ x 42′; owner, Bernard Mullen; builder, J. F. Sullivan.

Beacon St., near Mountford St., Ward 22, 3 three-st'y brick and stone dwells., 22.3′ x 47′; owners, George Wheatland, Jr., and W. D. Vinal; builder, W. D. Vinal.

Round Hill St., Nos. 33-56, Ward 22, 14 frame dwells., about 24′ x 30′; owner, Workingmen's Building Association; builder, George W. Pope.

Cheney St., near Hartwell St., three-st'y frame dwell., flat roof, 22.6′ x 64.6′; owner, S. L. Ward; builder, W. T. Eaton.

Chestnut Hill Ave., near junc. Winship St., Ward 25, frame dwell., 36.2′ x 43.8′; owner and builder, E. F. Baxter.

Tenean St., near Commercial St., Ward 24, three-st'y frame dwell., flat roof, 26′ x 35′; owner, M. J. Denihy; builder, M. J. Levins.

Norfolk St., near Walk Hill St., Ward 24, frame dwell., 24.6′ x 46′; owner, James F. Whittredge; builder, C. A. Russell.

Glenn Road, near Blue Hill Ave., Ward 24, three-st'y frame dwell., flat roof, 25′ x 53′; owner, Mrs. Fannie M. Clark; builder, Charles A. Clark; architect, J. A. Brazillian.

Hewlett St., near Centre St., Ward 23, frame dwell., 23′ x 34′; owner, Peter Thompson; builders, Swanson & Murray.

Jewett St., near Mt. Hope St., Ward 23, frame dwell., 18′ x 20′; owner, Mrs. Cornelia Hould; builder, Wm. Cody.

Longwood Ave., No. 48, Ward 22, three-st'y frame dwell. and store, flat roof, 24′ x 48′; owners, John H. and Elizabeth Greim; builder, Jacob Luipold.

Codman Park, No. 23, Ward 21, three-st'y frame dwell., flat roof, 21′ x 38′; owner, John Shilladey; builder, G. S. Bell.

Cheney St., near Hartwell St., Ward 21, three-st'y frame dwell., flat roof, 23.6′ x 64.6′; owner, S. L. Ward; builder, W. T. Eaton.

Meridian St., cor. West Eagle St., Ward 1, frame dwell., 23′ x 62′; owner, J. J. Mulvy; builder, D. W. Belcher.

Loring St., No. 22, Ward 15, three-st'y frame dwell., flat roof, 20′ x 31′; owner, Mary Hurley; builder, Wm. Glynn.

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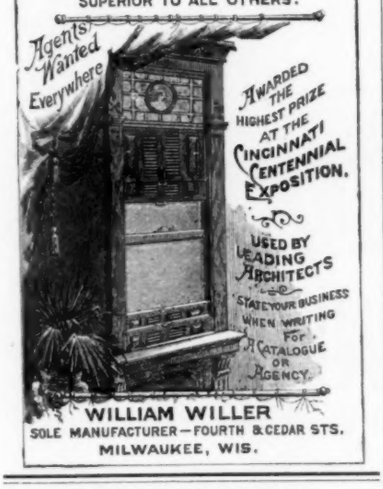

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Marion St., No. 107, Ward 1, frame dwell., 21′ x 53′; owner, R. F. Hahn; builder, J. A. Kempton.

Maple St., cor. Cheney St., Ward 21, frame dwell., 39.3′ x 49.9′; owner, J. P. Jacobs; builders, Burke Bros.; architect, John H. Fox.

Edgewood St., near Warren St., Ward 21, three-st'y frame dwell., flat roof, 22′ x 47′; owner and builder, Lorenzo Vose.

South St., cor. Brookfield St., frame dwell., 16′ x 31′; owner and builder, Donald McDonald.

Angell St., near Blue Hill Ave., frame dwell., 20′ x 64′; owner, Maximilian Kaiser; builder, James F. Smith.

Brookline, Mass. — *Beacon St.*, block of nine brick and stone dwells., each about 24′ x 76′; cost, $104,000; owner, Mrs. Mary I. Wason; builder, Charles H. Dodge; architects, Shepley, Rutan & Coolidge, Boston.

Brooklyn, N. Y.—*Bergen St.*, s s, 200′ w Hopkinson Ave., 2 three-st'y brick dwells., tin roofs; cost, $8,000; owner, Fr. Kuckuk, Bergen St.; architect, Frank Holmberg, 1161 Broadway.

Fifteenth St., s s, 97′ 10½″ e Seventh Ave., four-st'y brick dwell., gravel roof; cost, $7,000; owner, James J. Ferry, 554 Henry St.; architect, John L. Young, 287 Halsey St.

St. Nicholas Ave., e s, 25′ n Stockholm St., three-st'y frame dwell., tin roof; cost, $4,000; owner, Caspar Kaufman, Ellery St., cor. Beaver St.; architect, Henry Vollweiler, 486 Hart St.

Twentieth St., s s, 250′ w Third Ave., three-st'y frame dwell., tin roof; cost, $3,000; owner, Henry Groeler, 99 Twentieth St.; architect, W. H. Wirth, 358 Seventeenth St.

Bedford Ave., e s, 125 n Willoughby Ave., four-st'y frame dwell., tin roof; cost, $8,000; owner, H. F. Burroughs; architect, W. H. Gaylor, 110 South Eighth St.

Alabama Ave., e s, 100′ n Eastern Parkway, 3 two-st'y frame dwells., tin roofs; cost, $6,000; owner, Mary Hack, Atlantic Ave.; architect, C. Meins, 2879 Atlantic Ave.

Wythe Ave., w s, 25′ s North Eleventh St., 3 four-st'y frame dwells., tin roofs; cost, $6,000 each; owner, Andrew Huestadt, cor. North Seventh and Roebling Sts.; architect, Henry Vollweiler, 486 Hart St.

Stone Ave., w s, 50′ s Blake Ave., two-st'y frame dwell., tin roof; cost, $3,200; owner, Mary E. Cook, Ridgewood Heights; architect, O. S. Totten, Hinsdale St.

North Second St., s s, 125′ e Graham Ave., 2 three-st'y frame dwells., tin roofs; cost, $10,500; owner, estate of John Joerger, 526 North Second St.; architect, Th. Engelhardt, 905 Broadway.

Chicago, Ill.—John Kralovec, four cottages, 1048-56 Turner Ave.; cost, $3,600.

William Stolice, cottage, 361 Dudley St.; cost, $2,100.

A. Frankfurter, two-st'y dwell., 247 Kenmore Ave.; cost, $3,000.

R. A. Waller, two-st'y dwell., 1025-27 Evanston Ave.; cost, $4,000.

Mrs. L. Gay, three-st'y dwell., 4413 Drexel Boulevard; cost, $20,000.

R. W. Rush, two-st'y dwell., Sixty-seventh St. and Colfax Ave.; cost, $2,500.

·hields & Cook, 2 two-st'y dwells., Perry Ave., near Seventy-third St.; cost, $7,000.

F. Schecher, two-st'y dwell., May and Sixty-fourth Sts.; cost, $2,100.

J. H. Dunham, 14 two-st'y dwells., Madison Park, near Woodlawn Ave.; cost, $26,000.

J. H. Dunham, 12 cottages, Woodlawn Ave., near Fiftieth St.; cost, $6,000.

C. Jeffers, two-st'y dwell., Gault St. and Sheridan Road; cost, $2,000.

Charles Munn, three-st'y dwell., 2223 Calumet Ave.; cost, $5,000.

F. Horrence, three-st'y dwell., 109 Hammond St.; cost, $6,000.

McCormick Theological Seminary, 3 three-st'y dwells., Chalmers Pl.; cost, $25,000.

M. Brygigle, two-st'y dwell., 68 Escanaba St.

C. O. Swanson, 2 two-st'y dwells., 4740-42 Evans Ave.; cost, $7,000.

S. Punter, cottage, 74 Green St.

M. Lise, two-st'y dwell., 1827 Ashland St.; cost, $1,500.

Charles Gutterman, cottage, 1474 West Congress St.

J. Kien, cottage, 326 Twenty-sixth St.

M. Lash, cottage, 3417 Laurel St.; cost, $1,000.

Charles Nienan, cottage, 859 Humboldt St.

Charles Keans, cottage, 1274 West Seventeenth St.

M. Murthagh, cottage, 4211 Park Ave.

Frank Gaffka, cottage, 19 Frankfort St.; cost, $1,000.

Christian Kitelman, cottage, Medora St., near Colorado St.; cost, $1,000.

Thomas Backer, cottage, 4714 Loomis St.

William Jefferson, cottage, Addison St., near Ashland Ave.; cost, $1,000.

A. E. Keeler, two-st'y dwell., Perry Ave., near Seventieth St.; cost, $3,500.

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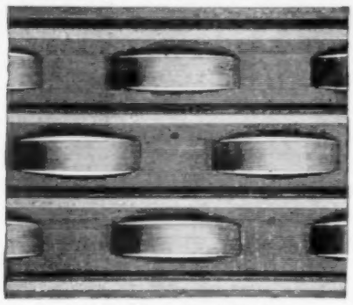

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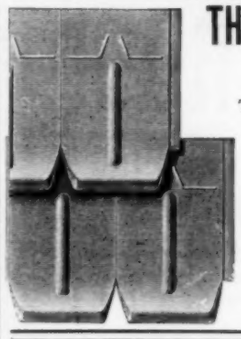

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C. E. Robinson, three-st'y dwell., 2129 Dearborn St.; cost, $8,000.

W. H. Pruyn, two-st'y dwell., 4617 Ellis Ave.; cost, $10,000.

W. J. Lewis, three-st'y dwell., 5100-02 Madison Ave.; cost, $15,000.

M. J. Fitch, three-st'y dwell., Greenwood and Forty-fifth Sts.; cost, $12,000.

C. S. Johnson, two-st'y dwell., 26 St. James Pl.; cost, $9,000.

C. M. Oughton, cottage, Jefferson and Fifty-fourth Sts.

Cincinnati, O. — H. Zimmerman, two-and-one-half-st'y frame dwell., Terrace Ave.; cost, $4,000; architect, Theo. Rieter.

Mrs. W. H. Hubble, two-st'y frame dwell., Woodward Ave.; cost, $4,000; architect, W. Plympton.

John Haas, two-and-one-half-st'y frame dwell., Shillito St., cost, $2,600; architects, Rieg & Marty.

Miss Dora Ridder, two-and-one-half-st'y frame dwell., Fischer Ave.; cost, $4,600; architect, Wm. Franklin.

W. J. William, owner and architect, 2 two-and-one-half-st'y frame dwells., Ingleside Ave.; cost, each, $3,000.

East Watertown, Mass. — *Coolidge Hill St.*, frame dwell., gambrel roof, 28′ x 44′; owner, W. A. Norris; builder, Mr. McLeod, Allston; architects, Rodman & Norris, Boston.

Newton Centre, Mass. — *Rice St.*, frame dwell., 28.2′ x 35′; owner, W. R. Holt; builders, C. H. and A. F. Ireland; architect, H. M. Stephenson, Boston.

New York, N. Y. — *Forty-first St.*, s e cor. Broadway, three-st'y brick dwell., tin roof; cost, $25,000; owner, Isaac S. Plant, 1148 Broadway; architect, Theo. E. Thomson, 247 West One Hundred and Twenty-fifth St.

Eighty-fifth St., n s, 275′ w West End Ave., 5 three-st'y brick dwells., mansard, terra-cotta and tile roofs; cost, $70,000; owner, Perzy M. Stewart, 5 West Eighty-second St.; architect, Ralph S. Townsend, 1300 Broadway.

Eighty-second St., s e cor. Riverside Drive, 9 four-st'y brick dwells., mansard, tin and slate roofs; cost, $90,000; owner, A. C. Squire, 221 Ninth St., Brooklyn; architects, Rose & Stone, 111 Broadway.

Ninety-fifth St., n s, bet. Ninth and Tenth Aves., three-st'y brick dwells.; owner, David Christie; architect, F. A. Minuth.

Park Ave., w s, near Thirty-ninth St., four-st'y stone dwell.; owner, D. Willis James; architect, Charles C. Haight.

One Hundred and Forty-third St., s s, 175 e Grand Bou., 3 three-st'y brick dwells., tin roofs; cost, $21,000; owner, John M. Cahill, One Hundred and Sixty-eighth St. and Tenth Ave.

One Hundred and Twenty-first St., n s, beg. 90′ w Manhattan Ave., 10 three-st'y brick dwells., tin roofs; cost, $110,000; owner, A. Alonzo Teets, 505 Manhattan Ave.; architect, J. Averill Webster, 110 East One Hundred and Twenty-fifth St.

Ninety-fifth St., n s, 100′ w Central Park, four-st'y brick dwell., tin roof; cost, $28,000; owner, Christian Hanfield, 353 West Thirty-second St.; architect, James Stroud, 1267 Broadway.

West One Hundred and Twenty-second St., No. 165, three-st'y brick dwell., tin roof; cost, $15,000; owner, Isaac A. Hopper, 163 West One Hundred and Twenty-second St.; architect, Ralph S. Townsend, 1300 Broadway.

Eightieth St., s s, 250′ e Amsterdam Ave., 5 four-st'y brick dwells., tin roofs; cost, $40,000; owner, George J. Cohen, 101 West Seventy-sixth St.; architect, G. A. Schellinger, 128 Broadway.

Eighty-sixth St., n s, 176′ e Riverside Drive, four-st'y brick dwell., mansard, fireproof block and tile roof; cost, $45,000; owners, Harold & Sanderson, 144 East Eighty-ninth St.; architect, C. L. W. Eidlitz, 128 Broadway.

North Cambridge, Mass. — *Orchard St.*, cor. Davenport St., double frame dwell., 34′ x 48.6′; cost, abt. $5,000; owner, Mrs. C. E. Patch; builder, R. H. Collupy; architect, J. F. Eaton, Boston.

Pittsburgh, Pa. — *Fifth Ave.*, stone dwell., 30′ x 75′, owner, Rev. W. J. Holland; builders, A. & S. Wilson; architects, Longfellow, Alden & Harlow; Boston.

Shady Ave., cor. Arabella St., double brick dwell., 60′ x 60′; owner, J. J. Vandergrift; architects, Longfellow, Alden & Harlow, Boston.

Shady Ave., brick dwell., 40′ x 60′; owner, J. B. Vandergrift; architects, Longfellow, Alden & Harlow, Boston.

Somerville, Mass. — *Vinal Ave.*, cor. Grand View Ave., double frame dwell.; owner, Mr. Briggs; contract to be let; architects, Loring & Phipps, Boston.

Brastow Ave., cor. Porter St., frame dwell., 22′ x 28′, with L, 8′ x 14′; owner and builder, Arthur W. Berry.

Porter St., near Highland Ave., frame dwell., 24′ x 42′; owner and builder, Willard L. Glidden.

Ware St., frame dwell., 24′ x 50′; owner, Lorenzo W. Dow; builder, I. B. Phinney.

Porter St., four frame dwells., each 20′ x 28′, with L's, 12′ x 16′; owners and builders, Gould & Murray.

Line St., frame dwell., 26′ x 40′; owner, John O'Connor; builder, John McGirr.

North St., three frame dwells., each 26′ x 26′; owner and builder, Daniel E. Crouch.

Broadway (Winter Hill), frame dwell.; owner, Henry F. Lynde; builder, Thomas Kiley.

Spring Hill, frame dwell., 24′ x 30′; cost, abt. $3,000; owner, A. N. Hardy; builder, R. H. Collupy; architect, J. F. Eaton, Boston.

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BUILDING INTELLIGENCE.

tarian Society, 40′ x 42′; cost, abt. $5,500; contract to be let; architects, Rodman & Norris, Boston.

SCHOOL-HOUSES.

Springfield, Mass. — *Pynchon St.*, two-st'y brick school; contract not let; architect, F. S. Newman.

STABLES.

Boston, Mass.—*Quincy St., No.* 194, *rear*, opp. Cedar St., Ward 20, frame stable, 22′ x 24′; owner, Janet D. Adair; builder, David Currier.

Orchardale St., near Westville St., Ward 24, frame stable, 22′ x 45′; owner and builder, Andrew Spence

Langdon St., No. 52, *rear*, Ward 20, frame stable, 17′ x 34′; owner and builder, Dennis Keough.

Camden, N. J.—*Carlisle St.*, w s, n Oxford St., one-st'y stable; contractor, Thos. A. Lynch, 1619 North Fifteenth St.

Arrott St., e s, n Leiper St., two-st'y stable; owner, Edward S. Mason, Arrott St., ab. Leiper St.

American St., cor. Somerset St., one-st'y stable; owner, John O'Brien, on premises.

State St., w s, n Filbert St., two-st'y stable; contractor, James Bradley, 40 North Thirty-eighth St.

Fifteenth and Huntingdon Sts., two-st'y brick stable, etc.; owners, The Omnibus Company General; J. H. Decker, Superintendent.

BUILDING INTELLIGENCE.

Portsmouth, N. H.—Frame farm barn; owner, W. D. McKim; contract to be let; architects, Longfellow, Alden & Harlow, Boston.

Somerville, Mass.—*Columbia St., No.* 241, frame stable, 18′ x 22′; owner, Thomas Sudbey; builder, Chas. H. Rollins.

St. Louis, Mo. — Two-st'y brick stable; cost, $7,000; owner, H. Gerke; contractor, Wm. Kerksick.

Tiverton, R. I. — Farm barn and farm buildings; owner, S. B. R. Thayer; contract to be let; architects, Longfellow, Alden & Harlow, Boston.

STORES.

Boston, Mass. — *Parker St., No.* 566, Ward 22, four-st'y brick and stone store and offices, 20′ x 62′; owner, Alice C. Moulton; architect, Fred Pope.

Washington St., near Hyde Park Ave., Ward 23, one-st'y frame store, 20′ x 25′; owner and builder, Richard E. Cochrane.

Detroit, Mich.— L. Price, three-st'y brick store and dwell., 713 Grand River Ave.; cost, $4,500.

A. C. Varney & Co., architects, 3 two-st'y brick stores and four dwells., 1368-72 Woodward Ave.; cost, $14,000.

New York, N. Y.—*Broadway, Nos.* 762-766, five-st'y brick store, tin roof; cost, $65,000; owner, Simon Dessau, 140 East Seventy-ninth St.; architects, Schneider & Herter, 48 Bible House.

West One Hundred and Twenty-fifth St., Nos. 252-254, one-st'y brick store-building, tin roof; cost, $10,000; owner, Leopold Kahn, 369 West One Hundred and Twenty-third St.; architects, Doud & Haslen, 145 West One Hundred and Twenty-third St.

St. Louis, Mo. — Five-st'y brick store; cost, $23,000; owner, L. C. Nelson; contractors, Cook & Casey.

WAREHOUSES.

Minneapolis, Minn. — Minneapolis Distillery Co., six-st'y brick warehouse, Twenty-first Ave., bet. Third and Fourth Sts., s; cost, $10,000.

MISCELLANEOUS.

Boston, Mass. — *Norfolk Ave.*, near Magazine St., Ward 20, two-st'y brick cordage works, 85′ x 108′; owners, Pearson Cordage Co.; builders, McMorrow & Gately.

Terrace St., No. 164, Ward 22, three-st'y brick storage and factory, flat roof, 37′ x 66′; owner, H. H. Reuter; builders, D. H. Jacobs & Son.

Brooklyn, N. Y. — *North First St.*, s s, 75′ w Wythe Ave., one and two st'y brick storehouse and stable, tin roof; cost, $8,000; owner, Thos. W. Kiley; architect, N. H. Gaylor, 110 South Eighth St.

Camden, N. J.—*Railroad St.*, ab. Vanhook St., brick drying-room contractors, Cottrell & Wessington.

North Front St., foot of, iron engine-room; owners, Richard and Joseph Rilatt, Philadelphia, Pa.

Third St., bel. Taylor Ave., two-st'y brick produce building; owner, A. W. Finley, Pavonia, N. J.

Detroit, Mich. — A. C. Varney & Co., architects, brick laboratory, 40-58 Jos. Campau Ave.; cost, $55,000.

Easthampton, Mass.— Two-and-one-half-st'y almshouse, Town Farm; contractor, B. Herbert, Northampton.

Holyoke, Mass. — D. Mackintosh & Sons, five-st'y brick stock-house, Hampden St.; architect, E. A. Ellsworth.

Potvin & Kinney, five-st'y business block, High St.; cost, $25,000; masons, Delancy Bros.; architect, E. A. Ellsworth.

Minneapolis, Minn.— Young Men's Christian Association, five-st'y brick and stone building, cor. Tenth St. and Mary Pl.; cost, $137,000.

Chicago, St. Paul, Minneapolis & Omaha Ry. Co., ten-stall brick round-house, Seventh Ave., n, and First St.; cost, $18,000.

Philadelphia, Pa.— Architects throughout the city report that business within the city limits is exceedingly dull for them. Builders contemplating the erection of important structures will hereafter be compelled to file with the building inspectors blue-print drawings of the proposed building, instead of, as formerly, simply securing assent to the plans, which were only shown to the inspectors. The change has been made because it formerly lay in the power of a dishonest contractor to alter the plans after their approval.

Sixth St., w s, s Baltimore Ave., one-st'y mill; owners, Callaghan & Bro., Fifty-eighth St. and Baltimore Ave.

Wharf, foot of Vine St., frame ice-house; owners, Knickerbocker Ice Co.

Cherry St., No. 517, *rear*, two-st'y brick building; owner, E. Johnson, 571 Clinton St.

Green St., s s, near School St., two-st'y gymnasium; contractor, J. D. Caldwell, 205 Wistar St.

South Thirteenth St., No. 2012, two-st'y hall; contractor, J. H. Jordan, Twenty-third and Jefferson Sts.

Sixty-two-and-one-half St., e s, n Haverford Ave., one-st'y ice-house; owner, W. B. Pearson, on premises.

Wistar St., s s, e Germantown Ave., one-st'y carpenter-shop; contractor, F. May.

Rockport, Mass. — Brick and stone Grand Army hall, 27′ x 46′; one-st'y, finished basement; hall 24

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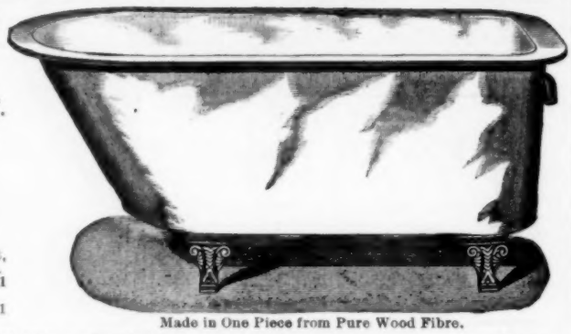

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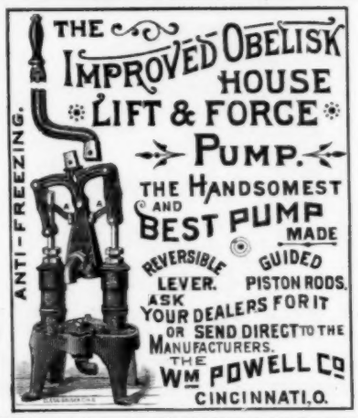

BUILDING INTELLIGENCE.

x 33′; furnace-heat; builder, J. M. Wetherell, Lynn; architect, H. M. Stephenson, Boston.

Searsport, Me.—Frame freight and passenger house, 18′ x 40′, for the Boston and Bangor S. S. Co.; builder, Mr. Thompson; architect, H. M. Stephenson, Boston.

Springfield, Mass.—J. M. Cooley, five-st'y brick business block, Main St.; architect, J. Perkins.

St. Louis, Mo.—Two-st'y brick hall; cost, $10,000; owner, Marquette Club; contractor, Bryan Brady.

PROPOSALS.

September 5, 1890. 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 26th day of September, 1890, for furnishing and putting in place complete one hydraulic passenger-elevator, one direct-acting freight-elevator and one direct-acting ash-lift for the United States Court-house, Post-office, etc., at Rochester, N. Y., in accordance with the specification and drawings, copies of which may be had on application at this office or the office of the Superintendent at Rochester, N. Y. Each bid must be accompanied by a certified check for $200. The Department will reject all bids received after the time herein stated for receiving the same; also, all bids which do not comply strictly with all the requirements of this invitation. Proposals must be enclosed in an envelope sealed and marked "Proposal for Elevators for the United States Court-house, Post-office, etc., at Rochester, N. Y.," and addressed to JAS. H. WINDRIM, Supervising Architect. 769

September 6, 1890. 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 September, 1890, for all the labor and material and fixing in place complete the low-temperature, hot-water heating and ventilating apparatus for the extension to the United States Post-office, Court-house, etc., building at Charleston, W. Va., including the reconstruction of the piping, taking down and moving and re-setting boiler of old appa atus, in accordance with the drawings and specifications, 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 $100. The Department will reject all bids received after the time herein stated for the opening of the same; also, bids which do not comply strictly with all the requirements of this invitation. Proposals must be enclosed in an envelope sealed and marked "Proposal for the Low-temperature, Hot-water Heating and Ventilating Apparatus, etc., for the Extension to the United States Post-office, Court-house, etc., building at Charleston, W. Va.," and addressed to JAS. H. WINDRIM, Supervising Architect. 769

September 1, 1890. 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 30th day of September, 1890, for all the labor and materials and putting in place complete the iron columns, iron floor and iron and wood roof construction, terra-cotta arches, etc., for the United States Custom-house, Post-office, etc., building at Port Townsend, Washington, 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 $200. The Department will reject all bids received after the time herein stated for the opening of the same; also, bids which do not comply strictly with all the requirements of this invitation. Proposals must be enclosed in an envelope sealed and marked "Proposal for the Iron Columns, Iron Floor and Iron and Wood Roof Construction, Terra-cotta Arches, etc., for the United States Custom-house, Post-office, etc., at Port Townsend, Washington," and addressed to JAS. H. WINDRIM, Supervising Architect. 768

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768 JOHN McDONALD, Mayor.

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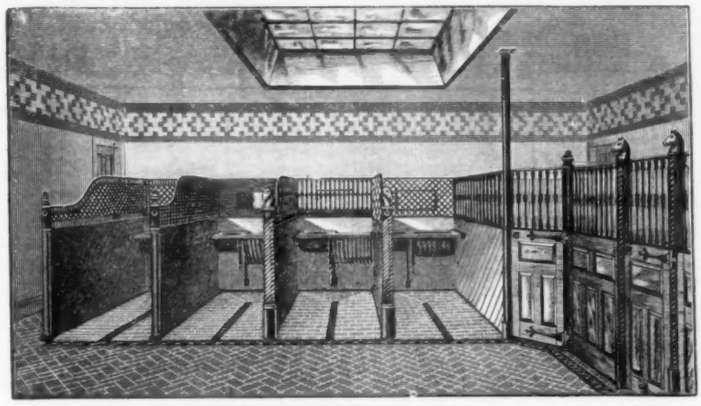

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[*See Alphabetical Index on page VII for Pagination.*]

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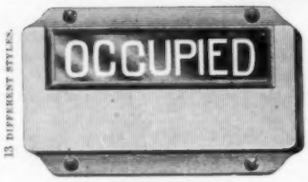

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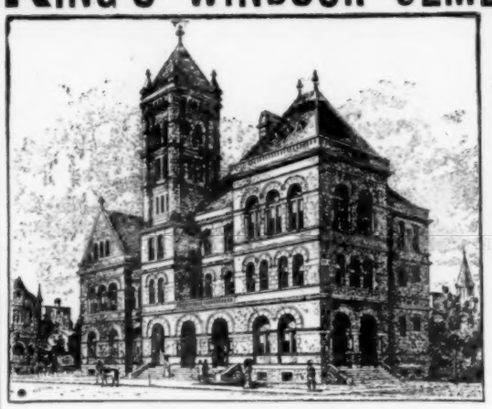

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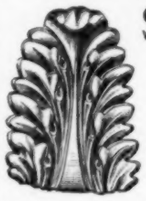

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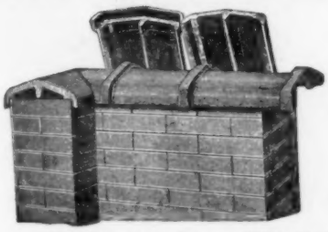

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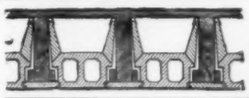

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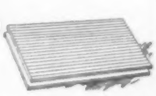

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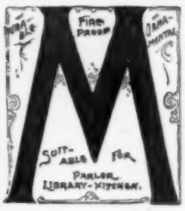

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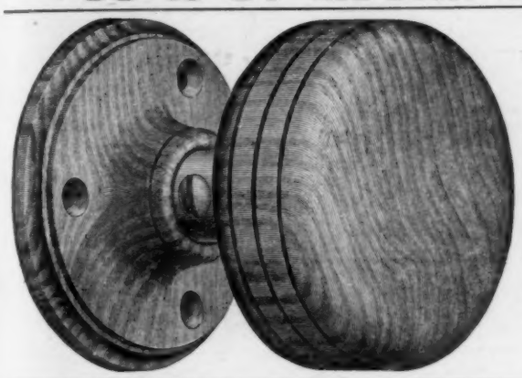

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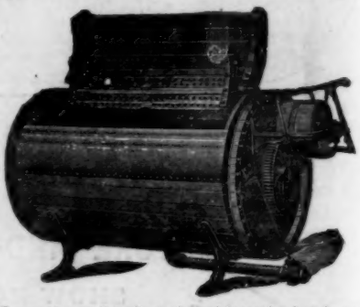

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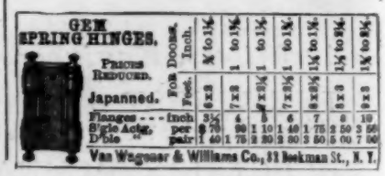

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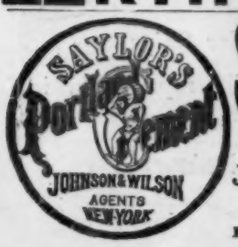

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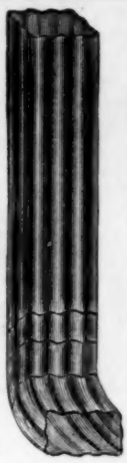

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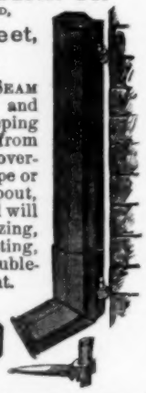

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BUILDING MATERIALS.

	New York. (Wholesale Prices.)	Boston. (Wholesale Prices.)	Chicago. (Price to Builders and Contractors.)	Philadelphia. (Price to Builders and Contractors.)
LUMBER.—₱ M.				
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	@ 25 00	13 00 @ 25 00	*Not sold.*	16 00 @ 20 00
Hemlock	ea 13½ @ 14	13 00 @ 15 00	@ 12 00	11 25 @ 13 50
Yellow pine	20 @ 40	25 00 @ 35 00	29 00 @ 37 00	14 00 @ 29 00
Cypress	@	32 00 @ 40 00	@	@ 35 00
Clapboards:				
Pine	@	40 00 @ 60 00	10 00 @ 22 00	14 00 @ 25 00
Spruce	@	25 00 @ 45 00	*Not sold.*	*Not Sold.*
Framing Timber:				
Pine			12 00 @ 15 00	25 00 @ 37 30
Spruce	14 00 @ 18 00	15 50 @ 20 00	*Not sold.*	16 00 @ 18 00
Hemlock	12 00 @ 16 00	14 00 @ 16 00	10 00 @ 13 00	13 00 @ 17 00
Yellow pine	18 00 @ 21 00	24 00 @ 35 00		22 00 @ 28 00
Laths:				
Pine	@	2 25 @ 2 35	2 10 @ 2 25	2 75 @ 3 00
Spruce	2 15 @ 2 25	2 25 @ 2 50	*Not sold.*	2 30 @ 3 00
Shingles:				
Pine, shaved ₱ 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 ₱ 120	1 40 @ 1 60	3 75 @ 4 00	6 00 @ 7 50	30" $35 @ 40; 24" 8 @ 21; 20" 35 @ 14
Cedar, split ₱ M	@	@	*Not sold.*	
Cedar, sawed "	@	2 00 @ 4 00	2 00 @ 2 35	
Cypress. Split....7 x 24. "	18 00 @ 20 00	5 00 @ 6 00	3 50 @ 4 00	11 00 @ 14 00
Miscellaneous:				
Piles ₱ ft.	4½ @ 5½	Piles 6c. ₱ ft.	Cut to order.	
Fence pickets, Commo	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 "	@	25 @ 50	*Not sold.*	20 @ 30
Finishing Woods: ₱ M. (*First Qual.* [*Kiln-dried.*)				
Ash	@ 55 00	45 00 @ 60 00	30 00 @ 40 00	30 00 40 00
Cherry	80 00 @ 120 00	85 00 @ 120 00	80 00 @ 100 00	80 00 @ 100 00
Butternut	40 00 @ 60 00	60 00 @ 70 00	50 00 @ 60 00	70 00 @ 80 00
Hard-pine floors (rift)		50 00 @ 60 00		
Mahogany, Baywood [Mexican]	@ 180 00	150 00 @ 160 00	150 00 @ 200 00	150 00 @ 250 00
" St. Domingo	@ 350 00	120 00 @ 350 00	200 00 @ 250 00	200 00 @ 400 00
Maple	45 00 @ 50 00	45 00 @ 50 00	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 @ 80 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 ₱ ft.	@ 6	32 00 @ 35 00	@ 7	
Spruce floors (clear, kiln-dried)	125 00 @ 150 00	80 00 @ 120 00	55 00 @ 100 00	50 00 @ 17 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

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BUILDING MATERIALS.

Reported for the American Architect and Building News.

BRICK. — ₱ M.	New York. (Wholesale Prices.)	Boston. (Prices to Builders and Contractors.)	Chicago.	Philadelphia.
Common: *Cargo afloat.*				
Pale	3 50 @ 4 00	Eastern 9 00 @ 10 00	Building Brick @ 6 50	Sq. Hard @ 12
Jersey	5 25 @ 6 25	Bay State Hard 9 00 @ 10 00		" @ 9 00
Long Island	6 25 @ 6 75	Domestic Com. 9 50 @ 10 00	Indiana Pressd 14 00 @ 20 00	Salmon @ 6 50
Up River	6 00 @ 6 50	Domestic Face 20 00 @ 22 00	St. Louis Fronts @ 27 00	Sq. " @ 9 00
Haverstraw Bay 2nd	6 50 @ 6 75	Philadelphia 40 00 @ 45 00	———	Light Stretchers @ 12 00
" 1st	7 00 @ 7 25	Phila. mould 50 00 @ 80 00	———	Medium " @ 14 00
Hollow	@ 13 00	Anderson 14 00 @ 32 00	———	Red " @ 15 00
Fronts			15 00 @ 27 00	Dark " @ 15 00
Croton, Brown	14 00 @ 15 00		65 00 @ 350 00	Pressed 22 00 @ 26 00
" dark	15 00 @ 16 00		@ 55 00	Best Paving @ 16 00
" red	15 00 @ 16 00		45 00 @ 50 00	Second " @ 14 00
Chicago pressed (Anderson)			45 00 @	Third " @ 13 00
Chicago Moulded			25 00 @	
Baltimore	7 00 @ 41 00		60 00 @ 100 00	Dom. @ 65 / @ 85
Philadelphia	@ 22 00		30 @	
Trenton	@ 22 00		35 @	
Milwaukee			55 00 @ 65 00	
Moulded:				
Glens Falls Red Pressed	@ 37 00		@ 100 00	
" " Buff "	@ 30 00		@ 120 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.—(₱ cask.)				
Rosendale Cement	90 @ 1 00	1 20 @ 1 40	*Not Sold.*	1 30 @ 50
Louisville "		Brooks, S. & Co	1 05 @ 1 30	B & S.E. 275 @ 300
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
" " (Burham)	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
" 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
" " (Vorwohler)	2 50 @ 2 90	Cleopatra @	@	Josson
" " (Lagerdofer)	@	2 55 @ 3 00	2 75 @ 3 00	2 50 @ 2 75
" " (Dyckerhoff)	2 90 @ 3 25	3 00 @ 3 50	3 25 @ 3 50	3 00 @ 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 50 @ 2 75
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 @ 10 50	8 00 @ 9 00
Lime:				
Lime of Teil	3 50 @ 4 00		*Not sold.*	White Lime 25 @ 30 ₱ bush
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 "	@ 1 00		60 @	
Rockland and Rockport, (Com.)	@ 1 20	@ 1 05	*Not sold.*	
Rockland and Rockport, finish	@ 1 10	@ 1 10	*Not sold.*	
Kelley Island Lime, finish	@ 1 20	@ 1 20	1 00 bulk, 75c.	
State, com. cargo rates (nom.)	@ 85	*Not sold.*	*Not sold.*	*Not sold.*
State, finishing "	@ 1 10	*Not sold.*	*Not sold.*	*Not sold*
Plaster of Paris (calcined.)	1 20 @ 1 25	1 85 @ 2 00	1 85 @ 1 90	1 50 @ 2 25
" (casting)	1 30 @ 1 35	@ 2 25	1 85 @ 1 90	1 75 @ 2 50
Hair (Cattle) ₱ bush	12 @ 15	25 @ 30	30 @ 25	20 @ 25
" (Goat)	22 @ 25	@ 30	30 @ 55	30 @ 35
Sand, ₱ load	1 00 @ 1 25	1 75 @ 1 90	@ 60	@ 1 50
STONE. (₱ *cubic foot, rough.*)				
Granite: (*Maine*)		@ 60		65 @ 65
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	4 50 ₱ Perch

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The Detroit Adamant Wall Plaster Co., 88 Griswold Street, Detroit, Mich.
The Michigan Adamant Plaster Co., 39 North Division St., Grand Rapids, Mich.
The Kansas City Adamant Plaster Co., 517 N. Y Life B'g, Kansas City, Mo.
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Mortar Colors.				
Black, brown, buff ℔ lb.	@ 2½			
Colorific ℔ lb.	@ 2½			
Red	@ 3			
White ℔ bbl	@ 1 75			
Foundation:				
Dimension	@	5 00 ℔ ton	20@	@ 5 00
Block	@	4 60 ℔ perch		Conshocken
Rubble	@	1 25 @ 1 50	8 50 @	1 45 @ 2 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		95 @ 1 16
Kibbe	@ 90	90 @ 1 10		
Brown (Connecticut)	1 00 @	1 25 @ 1 45	1 50 ℔ cub. ft.	1 05 @ 1 35
Amherst } Ohio	90 @ 95	90 @ 1 00	45 @ 50	55 @ 1 00
Berea } Ohio	75 @ 1 00	85 @ 90	45 @ 55	
Berlin } Ohio	75 @ 1 00	80 @ 90	55 @ 65	
Belleville	80 @ 1 25	1 25 @ 1 35	@ 1 25	1 10 @ 1
New Brunswick (Dorchester)	@ 1 00	75 @ 90	"	1 00 @ 1
Caen	@	@ 2 00	"	1 25 @ 1
Carlisle. English	@ 1 05	@ 1 05		95 @ 1
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	350 @ 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*)	5 00 @ 6 00	4 75 @ 5 25	5 50 @ 6 10	2 30 @ 3 00
" green	5 00 @ 6 00	5 50 @ 6 50	6 50 @ 7 10	3 25 @ 3 75
" " unfading	5 00 @ 6 00	5 50 @ 6 50	6 50 @ 7 10	3 50 @ 4 50
" purple	@ 10 00	10 00 @ 11 00	12 00 @ 14 00	7 50 @ 10 25
" red	4 25 @ 4 75	@	6 25 @ 6 85	3 25 @ 4 00
" black, Lehigh	— @ —	@	7 30 @ 8 00	4 00 @ 4 65
" " Chapmans	5 50 @ 8 00	5 50 @ 8 0	6 00 @ 9 00	5 50 @ 8 00
" Unfading Black, Monson, Me.	@		*Not sold.*	@ 25 00
Tiles, Am. ℔ M.				6 00 @ 6 75
N. Peach Bottom, warranted unfading				
PAINTS. (*In oil,* ℔ *lb.*)				
White lead, Am.	7 @ 7½	@ 7½	6½ @ 7	@ 7
" Zinc, "	5 @ 8½	@ 8	7 @ 10½	@ 7
Red lead, Am.,	6½ @ 7	@ 7½	6½ @ 7	@ 7
" Venetian	8 @ 10½	7 @ 12	1½ @ 2½	dry Eng. @ 8
" Vermilion	65 @ 70	72 @ 75 dry	65 @ 68	Eng. @ 66
Red Indian, Eng.	12 @ 20	12 @ 20	12 @ 20	6½ @ 7
Yellow Ochre	6 @ 15	7 @ 12	3 @ 15	dry Am. @ 1½
" Chrome	12 @ 20	18 @ 25	15 @ 25	@ 12
Green (chrome)	8 @ 13	8 @ 20	8 @ 20	@ 12
Green, Paris,	25 @ 40	25 @ 40	18 @ 35	" 20 @ 25
Black, lamp,	15 @ 25	15 @ 25	8 @ 30	@ 12
Blue, ultramarine	12 @ 18	18 @ 30	12 @ 35	@ 20
Oil, linseed, (raw) (℔ gal.)	58 @ 62	61 @ 62	57 @ 60	@ 58
" " boiled (℔ gal.)	61 @ 65	64 @ 65	60 @ 63	@ 61
Turpentine (℔ gal.)	40 @ 41	@ 45	51 @ 51	@ 50
Varnish, coach (℔ gal.)	@	1 50 @ 6 00	1 25 @ 2 00	@ 3 00
Shellac (℔ gal.)	@	2 50 @ 3 00	2 25 @ 4 00	@ 2 75
Putty	2 @	2 @ 4	02½ @ 02½	@ 2
Whiting } dry	75 @ 1 00	1 @ 1½	1 @ 1½	@ 1
Paris white, (Eng.,) } dry	1 30 @ 2 00	2 @ 3	1½ @ 2	@ 1½
Litharge, Am. } dry	5½ @ 6	@ 7½	6½ @ 7	@ 7
Sienna (burnt) } dry	14 @ 20	14 @ 20	4 @ 16	@ 14
Umber, " } dry	14 @ 20	14 @ 20	2 @ 10	@ 12
HARDWARE.				
Nails: (*Per Cask.*) Spikes, (*wrought.*)	@ 2 85		2 75 @ 3 00	pr kg @ 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 70	@ 3 65	3 60 @ 4 75
Finishing nails according to size.)			Add .85 to $1.15	per ℔ 4 @ 6
(*For casing nails add 75c. per keg.)*			" .50 to .90	Add pr cask
Butts: 4"x 4" (℔ 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 (℔ pair.)	@ 65	@ 50	*Not sold.*	48 @ 50
Bronze metal	@ 1 90	plain 1 65	2 00 @ 3 25	@ 1 25
Brass (on supboards)	@ 10	@ 10	@ 12	@ 1 00
Ebony				@ 35
Apple wood				37 @ 1 00
Knobs; (℔ *Set.*)				
Mineral, best	@ 8	@ 8	8 @ 10	@ 08
Lava	@ 50	@ 75	65 @ 80	*Not sold.*
Hematite	*Not sold*	17 @ 33	31 @ 40	25 @ 50
Porcelain	@ 30	@ 10	25 @ 30	@ 25
Glass, solid	*Not sold*	@ 50	*Not sold.*	1 00 @ 2 50
Glass, silvered	*Not sold*	88 @ 1 00	@ 1 50	1 75 @ 2 00
Bronze metal	75 @ 2 00	50 @ 3 00	50 @ 3 00	50 @ 3 50
Brass	1 00 @ 2 50	50 @ 3 00	1 00 @ 3 00	75 @ 1 25
Solder:		@	13 @ 16	13½ @ 16
Sheet Lead		@ 8	7	@ 6½
Lead Pipe		@ 7½	6½	6 @ 6
Iron:				
I-Beams, up to and including 30 ft	3 3-10 @ 3½	@ 3 1-10	@	@ 2 8-10
I-Beams, over 30 ft. ¼, ½, ¾ c. advance	@		3 20 @ 3 70	@ 2 8-10
Channel-Beams	3 3-10 @ 34	@ 3 1-10	" @ "	@ 2 8-10

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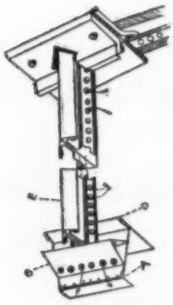

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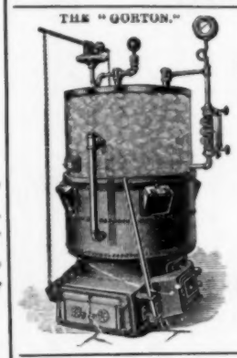

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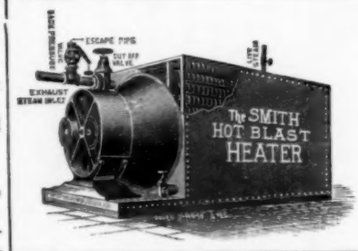

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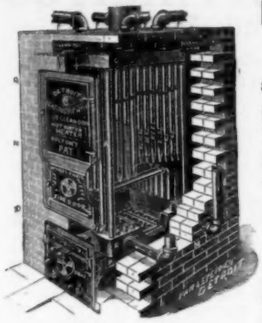

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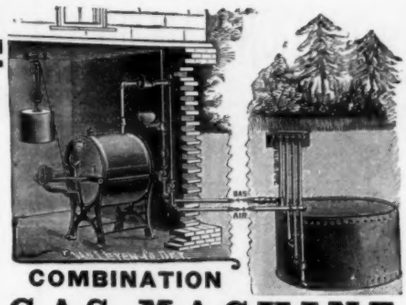

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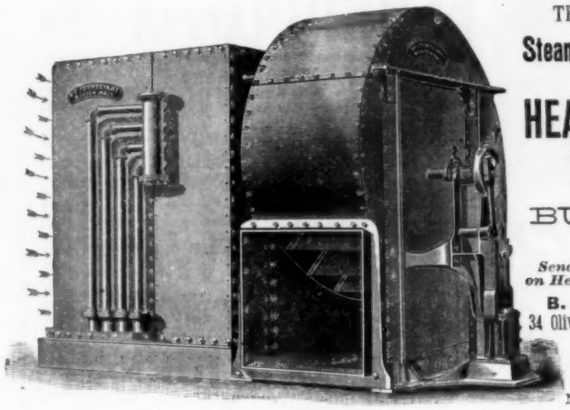

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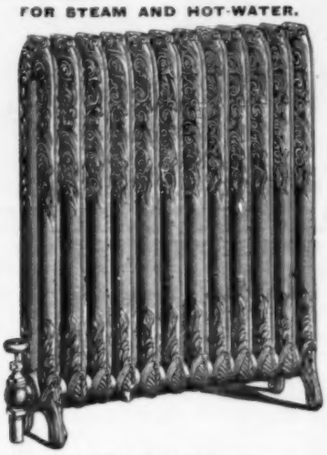

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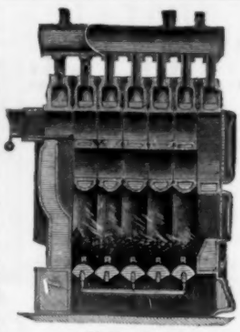

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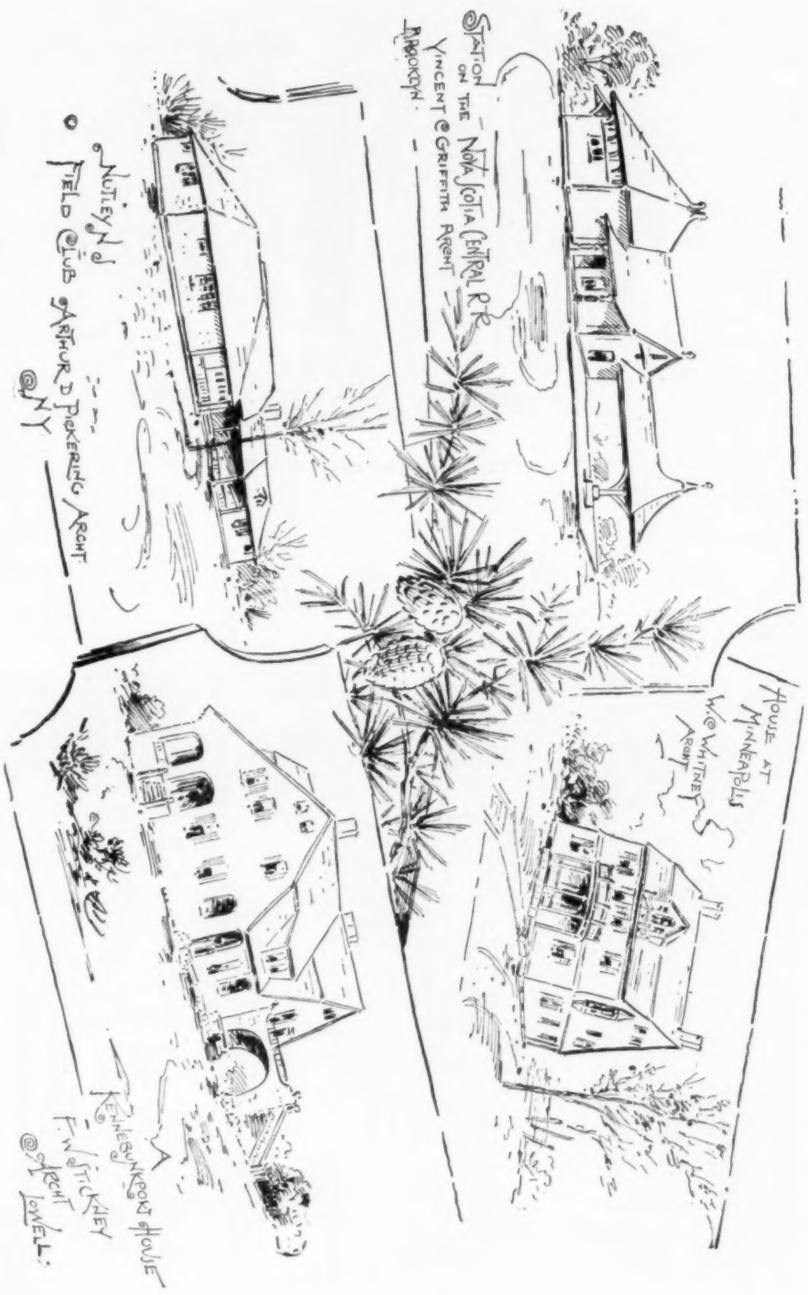
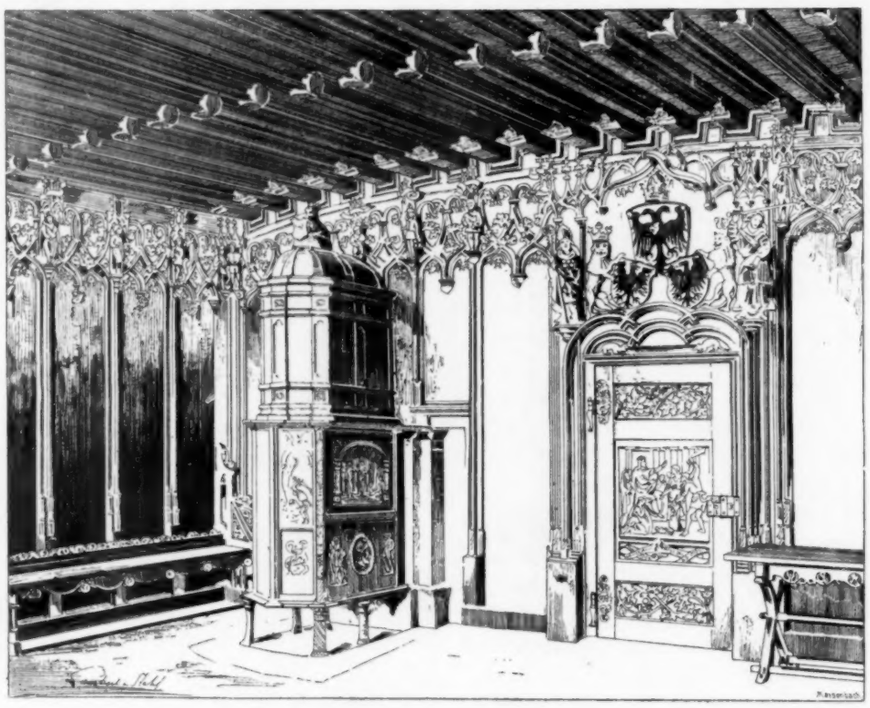


The above is a page from the Book of Sketches, published by Samuel Cabot, of houses that have been actually treated with Cabot's Creosote Shingle Stains. This book is sent free on application.

Vestibule in the Castle of Count H.



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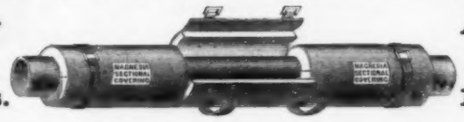

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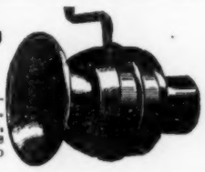

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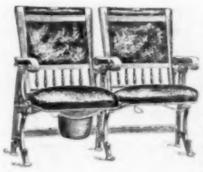

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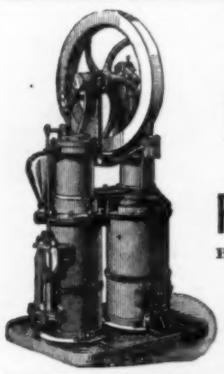

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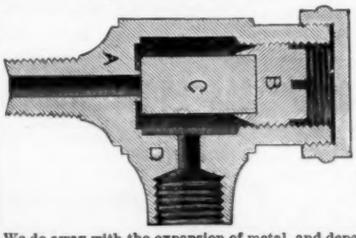

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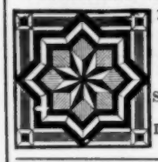

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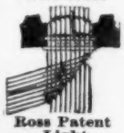
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New Advertisements.

AMERICAN DECORATIVE CO. (Boston, Mass.), Lignomur. Page xi.

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435,957. ELEVATOR MECHANISM. — Charles Whittier, Boston, Mass.

435,960. SHEET-METAL ROOF. — Wilson C. Berger, Canton, Ohio.

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436,075. HOT-AIR FURNACE. — John Evans, Philadelphia, Pa.

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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.

Boston, Mass. — *Salem St., No.* 109, Ward 6, alter first story of dwell. to store; owner, M. Wyzanski; builder, J. T. Harkins.

Cornhill, No. 75, *and Brattle St.*, Ward 7, remodel front of manufacturing building; owner, Charles T. Lovering; builders, Frame & McPhearson.

Boylston St., No. 95, Ward 11, front taken down and additions and general repairs made; owner, F. Horren, trustee; builder, H. McLaughlin.

Lagrange St. No. 25, Ward 10, alterations to brick factory; owner, W. H. Slocumb; builder, T. B. Blakely.

Brooklyn, N. Y.— *Willow St., No.* 95, two-st'y brick dwell., shingle roof, raised one story, three-st'y brick extension added and internal alterations made; cost, $5,000; owner, Charles Mall, 93 Willow St.; architect, W. B. Tubby, 81 Fulton St., New York.

Fulton St., No. 103, four-st'y brick store and dwell., tin roof, raised one story, five-st'y brick extension, tin roof, added and internal alterations made; cost, abt. $4,000; owner, James Curley, 215 Warren St.; architects, M. Freeman's Sons, 286 Warren St.

Union St., No. 374, three-st'y brick dwell., gravel roof, three-st'y brick extension, gravel roof added and other alterations made; cost, $3,000; owner, Sarah A. Mansfield, 374 Union St.; architect, L. E. Mansfield, 374 Union St.

Myrtle Ave., No. 1125, one-st'y brick car-stable, felt and gravel roof, one story added and internal alterations made; cost, $6,000; owners, Brooklyn City Railroad Co., 10 Fulton St.; architect, A. W. Dickie, 1129 Myrtle Ave.

New York, N. Y.— The Western Union Telegraph Co. will build a nine-st'y addition to their building on the corner of Broadway and Dey St., and build four new stories to their structure recently damaged by fire.

APARTMENT-HOUSES.

Boston, Mass. — *Dundee St., Nos.* 30-40, Ward 11, 6 four-st'y brick apartments, flat roofs, 20' x 42'; owner, W. H. Henderson; builder, G. W. Adams.

Brooklyn, N. Y.— *Willoughby Ave.*, n w cor. Grand Ave., four-st'y brick apartment-house, tin roof; cost, $12,000; owner, Edward Judson, 586 Dean St.; architect, W. M. Coots, 26 Court St.

Chicago, Ill. — R. Goss, two-st'y flats, School St., near Fifty-third St; cost, $1,800.

George Powell, two-st'y flats, Aberdeen St., near Fifty-fourth St.; cost, $2,000.

E. A. Berquist, two-st'y flats, Buffalo St., near Ninetieth St.; cost, $2,000.

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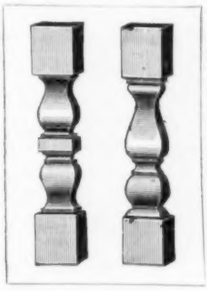

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William Faber, two-st'y flats, 760 Jane St.; cost, $1,100.

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V. Yetter, two-st'y flats, 6416 Aberdeen St.; cost, $1,500.

F. Kleinhammis, three-st'y flats, 530 Hermitage Ave.; cost, $4,000.

Frank Kucaba, three-st'y flats, 1027 West Nineteenth St.; cost, $8,000.

R. C. Ranney, two-st'y flats, 26 Francisco St.; cost, $3,000.

John Waludo, three-st'y flats, 467 West Ohio St.; cost, $4,500.

L. Benson, two-st'y flats, Rynald and Sixty-ninth Sts.; cost, $1,000.

L. F. Ringer, two-st'y flats, 538 Forty-sixth St.; cost, $6,000.

Dennis Roan, two-st'y flats, Avenue K, near Ninety-eighth St.; cost, $1,600.

John S. Thomas, 6 two-st'y flats, Winter St., near Fiftieth St.; cost, $30,000.

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J. Slauer, three-st'y flats, 514 South Wood St.; cost, $5,000.

Samuel McClure, two-st'y flats, 94 Flournoy St.; cost, $4,500.

John Adams, two-st'y flats, 816 West Eighteenth St.; cost, $3,500.

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John Gessell, two-st'y flats, 1457 West Polk St.; cost, $4,500.

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R. F. Maxwell, two-st'y flats, 468 Fullerton St.; cost, $7,500.

O. L. Lindrum, two-st'y flats, Oglesby Ave. and Sixty-ninth St.; cost, $2,200.

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R. H. Beocher, two-st'y flats, 49 Cypress St.; cost, $4,500.

Alonzo Duprain, two-st'y flats, Center Ave. and Fifty-ninth St.; cost, $1,600.

Frank Bargan, two-st'y flats, Forty-seventh St., near Justin St.; cost, $2,200.

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Frank Mills, two-st'y flats, 757 West Seventeenth St.; cost, $3,000.

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William Ashton, two-st'y flats, Fifty-fifth St., near Dearborn St.; cost, $4,500.

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P. Kerwin, three-st'y flats, 5328 Aberdeen St.; cost, $1,500.

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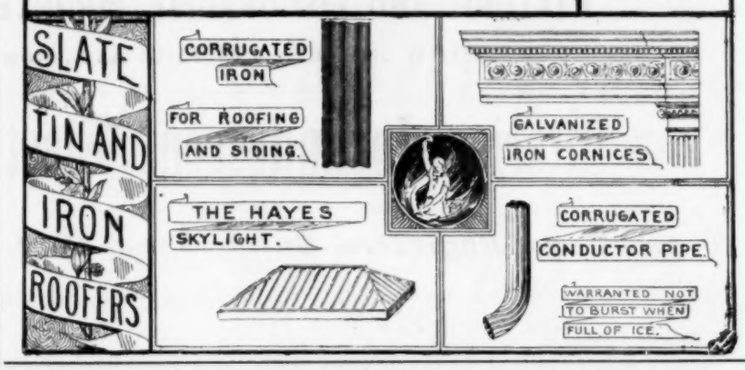

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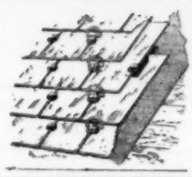

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Brooklyn, N. Y. — *Leonard St.*, e s, 30′ n Van Pelt Ave., three-st'y frame ironwork factory, gravel roof; cost, $6,000; owner and architect, H. Stuetzer, 408 Kosciusko St.

HOUSES.

Boston, Mass. — *Chestnut Ave., No.* 277, Ward 23, three-st'y frame dwell., flat roof, 22′ x 50′; owner and builder, C. A. Russell.

Burgess St., No. 21, Ward 20, three-st'y frame dwell., flat roof, 30.6′ x 35′; owner, Mrs. Annie Clifford; builder, A. P. Clifford.

Chickatawbut St., near Neponset Ave., Ward 24, frame dwell., 21′ x 40′; owner, Phœbe T. Chamberlin; builder, W. J. Hatch.

Whitman St., near Norfolk St., Ward 24, two-st'y frame dwell., hip roof, 26′ x 33.6′; owner and builder, J. F. Haddock.

West St., cor. Orange St., Ward 23, frame dwell., 20′ x 28′; owner, Patrick Cullen; builder, A. Rogers.

Holmes Ave., near Topliff St., Ward 24, two frame dwells., 19′ x 30′; owner and builder, Andrew Crawford.

Ashmont St., near Dorchester Ave., Ward 24, frame dwell., 26.6′ x 37′; owner, Alice S. Babcock; builder, G. Babcock.

Morton St., near Sanford St., Ward 24, frame dwell., 22′ x 38.6′; owner, J. H. Packard; builders, J. A. Tucker & Son.

East Seventh St., Nos. 590-594, Ward 14, three frame dwells., 22′ x 45′; owner, J. P. Cushing; builder, W. T. Eaton.

Rockwell St., No. 29, Ward 24, frame dwell., 23′ x 37′; owner, Mrs. Sarah J. Cole; builder, C. W. Cole.

Blue Hill Ave., rear, junc. Walk Hill St., Ward 24, two frame dwells., 15.9′ x 47′; owner, G. W. Parke; builder, R. McDonald.

Burgess St., No. 23, Ward 20, 3 three-st'y frame dwells., flat roofs, 21.6′ x 46′ and 24′ x 57′; owner, M. Annie Clifford; builder, A. P. Clifford.

Batchelder St., cor. Marshfield St., Ward 20, three-st'y frame dwell. and store, flat roof, 20′ x 42′; owner, J. V. Cullen; builder, Valentine Bock.

Harold St., near Ruthven St., Ward 21, frame dwell., 33′ x 33′; owner, Lucebа Knight; builder, J. T. Chisholm.

Ashland St., near Canterbury St., Ward 23, frame dwell., 20′ x 29′; owner and builder, T. N. Coppinger.

Chestnut Ave., No. 275, Ward 23, three-st'y frame dwell., flat roof, 23′ x 50′; owner and builder, C. A. Russell.

Bartlett St., off Salem St., Ward 7, 2 three-st'y brick dwells., flat roofs, 23.6′ x 50′; owner, L. Ginsbury; builder, Frank Finn.

Brooklyn, N. Y. — *Putnam Ave.*, s s, 295′ w Stuyvesant Ave., 3 three-st'y brick dwells., tin roofs; cost, $9,000 each; owner, E. H. Bishop, 647 Putnam Ave.; architect, John E. Dwyer, 1540 Broadway.

St. Mark's Ave., n s, 225′ e Utica Ave., two-st'y frame dwell., tin roof; cost, $3,500; owner, James Everson, 167 Columbia Heights; architect, J. D. Bogert, 596 Bergen St.

Huron St., s s, 125′ w Manhattan Ave., four-st'y frame dwell., gravel roof; cost, $6,000; owner, Wm. Schwartz, 123 India St.; architect, C. Dunkhase, 527 Grand St.

McDonough St., s s, 382′ e Tompkins Ave., 3 three-st'y brick dwells., tin roofs; cost, $10,000 each; owner, John Fraser, 44 Rochester Ave.

Vernon Ave., n s, 187′ e Nostrand Ave., 2 two-and-one-half-st'y brick dwells., tin roofs; cost, $6,000 each; owner, architect and builder, John Parkin, 32 Hart St.

Oakland St., e s, 100′ s Dupont St., four-st'y frame dwell., tin roof; cost, $6,000; owner, James Murphy, 378 Oakland St.; architect, P. Tillion, Manhattan Ave.

St. Mark's Ave., n s, 180′ w Kingston Ave., three-st'y brick dwell., tin roof; cost, $12,500; owner, Nicholas Toerge, 1131 Bergen St.; architect, P. J. Lauritzen.

Minneapolis, Minn.—J. H. Lubbert, two-st'y frame dwell., 2819 South Dupont Ave.; cost, $5,000.

Fred Lubbert, two-st'y frame dwell., 2712 South Dupont Ave.; cost, $5,000.

C. A. Cummings, two-st'y frame dwell., 2741 Hennipen Ave.; cost, $6,000.

T. P. Healey, two-st'y frame dwell., 3101 Second Ave., s; cost, $6,000.

BUILDING INTELLIGENCE.

Philadelphia, Pa. — *Garden St.*, s e s, bet. Church and Reynolds Sts., 2 two-st'y dwells.; contractor, Amos W. Linn, 4767 Garden St.

Ditman St., n s, n Frankford Ave., 2 two-st'y dwells.; contractor, W. W. Worrell, Tillingham St.

Frankford Ave., e s, n Ditman St., 2 two-st'y dwells.; contractor, S. Stuffe, Ditman St.

Warren St., s s, e Thirty-seventh St., 8 two-st'y dwells.; contractor, Lewis Havens, 518 Girard Building.

Indian Queen Lane, e Thirty-fifth St., three-st'y dwell.; contractors, Snyder & Reichert, Falls of Schuylkill.

Lyceum Ave., e s, e Mitchell St., 2 two-st'y dwells.; owner, Charles M. Horner, 468 Lyceum Ave.

Tyson St., w s, n Cumberland St., 2 two-st'y dwells.; contractor, H. G. Schultz, 2643 Germantown Ave.

Dickinson St., s s, e Second St., two-st'y dwell.; contractor, D. S. Dunbar, 1517 South Second St.

Carlton St., n s, e Twenty-third St., three-st'y dwell.; contractor, F. A. Waschow, 1304 Dover St.

Gratz St., e and w s, s Susquehanna Ave., 19 three-st'y dwells.; owner, Thomas H. Parks, 1800 Diamond St.

Penn St., w s, n Pine St., 7 two-st'y dwells.; contractor, S. R. Eckert, 517 Bridge St.

Ruth St., w s, n Cambria St., 2 two-st'y dwells.; contractor, Benjamin Wetzell, Old Front Street La.

Rutledge St., e and w s, n Cambria St., 58 two-st'y dwells.; contractor, James M. Fitzsimmons, cor. Roschell and Cambria Sts.

Unnamed st., n Lehigh Ave. and w Fifteenth St., 23 two-st'y dwells.; owner, Wm. G. Sorrell, 1750 North Fifteenth St.

Richmond St., e s, n Clearfield St., two-st'y dwell.; contractor, A. Benner, 3161 Richmond St.

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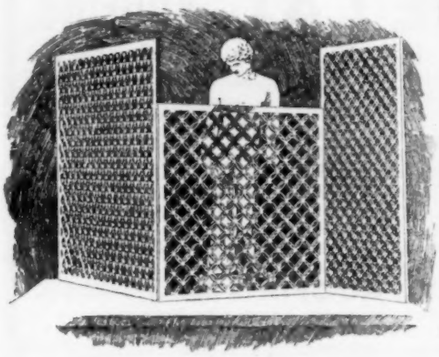

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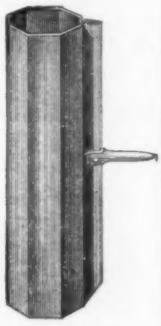

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Nice St., w s, n Barr St., 3 three-st'y dwells.; contractor, Benjamin Walker, 3953 Germantown Ave.

Reno St., s s, w Eighty-eighth St., 29 two-st'y dwells.; owner, James M. Kelley, 888 North Fortieth St.

Green Lane, s s, e Broad St., two-st'y dwell.; contractors, Boyer & Parker, Nilestown.

Wingohocking Ave., e Front St., two-st'y dwell.; owner, William Taylor, 354 Sunnyside Ave.

Courtland St., s s, w Front St., three-st'y dwell.; contractor, E. K. Welch, Wyoming Ave.

Front St., e s, s Courtland Ave., two-st'y dwell.; contractor, E. K. Welch, Wyoming Ave.

Broad St., w s, n Dauphin St., 8 three-st'y dwells.; owner, C. C. Moore, 2001 North Broad St.

Thirteenth St., e s, s Dauphin St., 18 three-st'y dwells.; owner, Edward P. Hipple, s w cor. Thirteenth and Norris Sts.

Dobson St., e s, n Spencer St., two-st'y dwell.; contractors, McLaughlin & McNamara, 3887 Clinton St.

Forty-sixth St., w s, s Woodland Ave., 30 two-st'y dwells.; owner, James C. Moore, 4201 Walnut St.

Brooklyn St., w s, n Ogden St., 11 two-st'y dwells.; owner, Jacob R. Jordan, 1626 South Broad St.

Mantua St., s s, w Thirty-fourth St., 8 three-st'y dwells.; owner, Owen Mountney, 2002 North Seventeenth St.

Letterly St., n s, w Coral St., 5 two-st'y dwells.; contractor, Charles Auchter, 1523 North Twenty-eighth St.

Aramingo St., n s, e Trenton Ave., two-st'y dwell.; contractors, Brocklehurst & Ewing, 514 West Norris St.

Watkin St., s w s, s e Cedar St., 6 two-st'y dwells.; owner, F. M. Brewer, 2315 East Cumberland St.

Mascher St., w s, *and Waterloo St.*, e s, n Lehigh Ave., 4 two-st'y dwells.; owner, Alex Miller, 2622 Gordon St.

Roschell St., s s, e Manayunk Ave., three-st'y dwell.; contractor, Thomas M. Davis, 13 Fetter Lane.

Wyalusing Ave., n s, w Forty-second St., 12 two-st'y dwells.; contractor, Charles Bateson, Forty-third St. and Wyalusing Ave.

Williams Ave., s s, e Fifty-first St., two-st'y dwell.; owner, Wm. Auld, Williams Ave.

Eastwick Ave., n s, e Seventy-ninth St., two-st'y dwell.; owner, Charles S. Kates, Seventy-ninth St. and Brewster Ave.

Paschall Ave., e s, s Hanson St., 7 two-st'y dwells.; owner, W. S. P. Shields, 735 Walnut St.

Seventy-seventh St., w s, s Avenue D, two-st'y dwell.; owner, John Duffee, 3332 Ludlow St.

Third St., e s, s three-st'y and 4 two-st'y dwells.; owner, M. H. Tuft, 2004 Westmoreland St.

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Mount Pleasant Ave., n w cor. Chew St., two-st'y dwell.; owner, John Johnson, 5568 Germantown Ave.

Welsh Road and Crispin Ave., two-st'y dwell.; contractor, Jos. A. Hand, Holmesburg.

Delaware Ave., n e s, bet. Honeysuckle and Riverview Aves., two-st'y dwell.; contractor, Jos. A. Hand, Holmesburg.

Tioga St., s s, e Sixth St., 6 two-st'y dwells.; contractor, J. B. Vanderslice, 2956 North Fifth St.

Girard Ave., s s, w Forty-first St., 5 three-st'y dwells.; contractor, A. Overgy, 1612 North Nineteenth St.

OFFICE-BUILDINGS.

Camden, N. J. — *Fifth and Pearl Sts.*, three-st'y brick office-building; owner, J. W. Young.

RAILROAD BUILDINGS.

Americus, Ga. — A new depot, to cost $10,000, will be built by the Central Railroad & Banking Co.

SCHOOL-HOUSES.

Huntingdon, Tenn. — The Southern Normal University will build a building, to cost $20,000.

STABLES.

Boston, Mass. — *Angell St., rear*, cor. Blue Hill Ave., Ward 23, one-st'y frame stable, pitch roof, 22' x 28'; owner, H. O. Nute; builder, H. H. Fernald.

Brookline, Mass. — *Park St.*, frame stable, 38' x 41'; cost, abt. $4,200; owner, Samuel Williams; builder, A. H. Bailey; architects, Shepley, Rutan & Coolidge, Boston.

Brooklyn, N. Y. — *Saratoga Ave.*, n e cor. Hancock St., three-st'y brick stable, tin roof; cost, $10,000; owner, John Crawley, 1059 Jefferson Ave.; architect, D. F. Atwood, 335 Broadway, New York City.

Smith St., s w cor. Bay St., two-st'y brick stable and dwell., gravel roof; cost, $6,000; owner, Wm. H. H. Childs, 73 Maiden Lane, New York; architect, F. B. Langston, 1225 Bedford Ave.

Chicago, Ill. — A. Steen, two-st'y barn, 216 West Ohio St.

Minneapolis, Minn. — Minneapolis St. Railway Co., frame motor barn, Nineteenth Ave., n, and Washington Ave.; cost, $5,000.

New York, N. Y. — *Sixty-seventh St.*, n s, 375' w Eighth Ave., three-st'y brick stable, tin roof; cost, $12,000; owner, Miles M. Bulding, 10 West Seventy-second St.; architect, Ralph S. Townsend, 1300 Broadway.

Sixty-seventh St., n s, 350' w Eighth Ave., three-st'y brick stable, tin roof; cost, $12,000; owner, T. Leonard, 6 West Seventy-second St.; architect, Ralph S. Townsend, 1300 Broadway.

Seventy-seventh St., s s, 100' e Lexington Ave., three-st'y brick stable, tin roof; cost, $18,000; owner, Edward J. O'Connor; architect, John McIntyre, 3340 Third Ave.

East Forty-third St., No. 150, four-st'y brick stable, gravel roof; cost, $12,000; owners, Westcott Express Co., Seventy-second St. and Eighth Ave.; architect, George H. Griebel, 247 West One Hundred and Twenty-fifth St.

STORES.

Brooklyn, N. Y. — *Oakland St.*, n e cor. Green St., 4 three-st'y frame stores and dwells., tin roofs; cost, $4,000 each; owner, James Kelly, Green St.; architect, Fred Weber, 211 Manhattan Ave.

Woodbine St., n s, 125' e Central Ave., 2 three-st'y frame stores and dwells., tin roofs; cost, $5,000 each; owner, George Schwab, 182 Suydam St.; architects, Wicherty & Copeland, 57 Troutman St.

Boerum St., s s, 100' e Graham Ave., 2 four-st'y frame stores and dwells., tin roofs; cost, $6,000; owners, Dietrich Riezenstein & Roth, Ellery St.; architects, D. Acker & Son, 752 Broadway.

Bergen St., s s, 25' e Troy Ave., three-st'y frame store and dwell., tin roof; cost, $3,000; owner, Owen McAnany, Troy Ave., near Bergen St.; architect, J. D. Bogert, 596 Bergen St.

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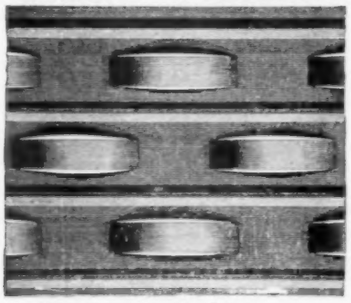
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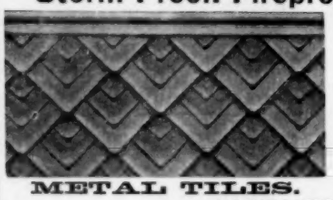
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Knickerbocker Ave., n e cor. Harmon St., 4 three-st'y frame stores and dwells., tin roofs; cost, $4,500 each; owner, Jacob Bossert, Cedar St. and Bushwick Ave.; architect, John Platte.

Camden, N. J.—*Broadway*, ab. Kaighn's Ave., two-st'y brick store; owner, Chas. Hudson, 1315 Broadway.

Market St., brick store; owner, Wm. Sevearns, Fifth and Berkley Sts.

Market St., n s, bet. Second and Third Sts., three-st'y brick store and dwell.; owner, Jacob Guang.

Chicago, Ill.—John Wesler, three-st'y store and flats, 341 Dayton St.; cost, $5,000.

A. Klein, three-st'y store and flats, 3355 Laurel St.; cost, $3,500.

Peter Engles, two-st'y store and flats, 872 North Hoyne Ave.; cost, $2,000.

B. Murciel, three-st'y store and flats, 815 Madison St.; cost, $13,000.

T. Sigmpeitz, two-st'y store and flats, Morgan St., near Sixty-second St.; cost, $2,000.

J. Prior, three-st'y store and flats, 5147 State St.; cost, $3,000.

William Hummel, two-st'y store and dwell., 347 One Hundredth St.; cost, $3,600.

S. Spoerer, two-st'y store and flats, 5530 State St.; cost, $4,000.

BUILDING INTELLIGENCE.

Miller & Chamberlin, 6 four-st'y stores and flats, 87-99 Forty-third St.; cost, $50,000.

Thomas Hoar, two-st'y store and flats, 3523 Wallace St.; cost, $2,100.

Fred Miesner, two-st'y store and flats, 343 Southport Ave.; cost, $5,000.

Louis Bugler, 2 four-st'y stores and flats, 237-239 North State St.; cost, $48,000.

C. Steinbrecker, 9 two-st'y stores and flats, 1007-25 West Chicago Ave.; cost, $38,000.

W. A. Russell, two-st'y store, 150½ Green St.; cost, $2,000.

Detroit, Mich.—John Erhart, three-st'y brick store, Randolph St.; cost, $8,000.

Topping & Fisher, eight-st'y brick store for J. L. Hudson, 11-19 Gratiot Ave. and 67-89 Farmer St.; cost, $200,000; architects, Mortimer L. Smith & Son.

J. Ogenkowski, brick store and dwell., 300 St. Aubine Ave.; cost, $4,000.

New York, N. Y.—*Wooster St., Nos.* 152-156, 2 six-st'y brick and iron stores; owner, P. H. McManus; architect, J. A. Webster.

Fourth St., Nos. 3-6, six-st'y brick store, tin roof; cost, $40,000; owners, Havens & Winters, 399 Manhattan Ave.; architect, Ralph S. Townsend, 1300 Broadway.

Third Ave., No. 1284, one-st'y brick store, tin roo

BUILDING INTELLIGENCE.

cost, $3,000; owner, Thos. Cadwallader estate, 330 Bowery; architect, Frederick Jeuth, 191 Forsyth St.

Greene St., w s, 175' 1" n Bleecker St., 2 six-st'y brick stores, tin roofs; cost, $150,000; owner, Ferdinand H. Mels, 529 Broadway; architects, Cleverdon & Putzell, 529 Broadway.

Bleecker St., Nos. 128-130, 2 six-st'y brick stores, tin roofs; cost, $80,000; owner, George R. Read, 7 Pine St.; architect, Oswald Wirz, 153 Fourth Ave.

Wooster St., Nos. 102-106, five-st'y brick store, mansard, tin and terra-cotta blocks covered with iron roof; cost, $50,000; owner, David L. Einstein, 39 West Fifty-seventh St.; architects, De Lemos & Cordes, 18 East One Hundred and Twenty-eighth St. and 37 West Sixteenth St.

Philadelphia, Pa.—*Forty-sixth St.*, w s, s Woodland Ave., two-st'y store and dwell.; owner, Jas. C. Moore, 4201 Walnut St.

Market St., n s, e Forty-first St., 4 three-st'y stores and dwells.; owners, Arrison, Shelly & Gaston, 535 Drexel Building.

Sixty-first St., s e cor. Mulberry St., three-st'y store and dwell.; contractor, G. W. Steinmetz, 60½ Hamilton St.

Melrose St., s s, w Fifty-fifth St., two-st'y store

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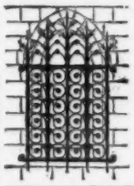

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TENEMENT-HOUSES.

Boston, Mass. — *Commercial St., Nos.* 544-546, Ward 6, 2 four-st'y brick tenements, flat roofs, 17′ x 35′ and 23′ x 35′; owner, Andrew Burnett; builder, John Kelley.

Minneapolis, Minn. — Robert O'Brien, two-st'y frame tenement, 519-525 Third Ave., n e; cost, $15,000.

WAREHOUSES.

Baltimore, Md. — The Hannis Distilling Co. will build a three-st'y warehouse, s w cor. Ostend and Russell Sts.

Brooklyn, N. Y. — *Atlantic Ave.*, s e cor. Cleveland St., one-st'y frame coal storage warehouse, gravel roof; cost, $6,600; owners, Union Gaslight Co., Atlantic Ave. and Ashford St.; architects, The Continental Iron Works, Colyar St.

MISCELLANEOUS.

Boston, Mass. — *Norfolk Ave.*, near Magazine St., Ward 20, two-st'y brick mechanical building, flat roof, 83′ x 108′; owners, Pearson Cordage Company; builders, McMurray & Gately.

Brooklyn, N. Y. — *Bushwick Ave.*, w s, 100′ n Fanchon Pl., one-st'y frame railroad repair shop, gravel roof; cost, $20,000; owners, The Brooklyn Elevated Railroad Co.; architect, O. F. Nichols, 31 Sands St.

Leonard St., e s, 130′ n Van Pelt Ave., one-st'y frame foundry, gravel roof; cost, $3,000; owner and architect, H. Stuetzer, 408 Kosciusko St.

Montague St., Nos. 189-191, running through to Pierpont St., nine-st'y brick real estate exchange and office-building, cement on brick arches, tar and gravel roof; cost, $250,000, owners, Brooklyn Real Estate Exchange; architect, George H. Edbrooke, Temple Court, New York.

Cardiff, Tenn. — The Cardiff Commercial Club contemplate building a two-st'y brick building, to cost $10,000.

Chicago, Ill. — J. Gelart, two-st'y studio, 333 Oak St.; cost, $6,000.

BUILDING INTELLIGENCE.

Rev. C. Bean, basement, 88-90 Cornell St.; cost, $7,000.

J. A. Budlong, greenhouse, Western Ave., near Foster St.; cost, $3,000.

The Moody & Waters Co., two-st'y bakery and stables, 283-291 West Congress St.; cost, $15,000.

Great Falls, Montana. — *Central Ave.*, cor. Fifth St., brick and stone mercantile building, 50′ x 150′, flat roof; containing five stores on ground-floor and 23 offices in stories above; three stories on front and two on rear; stone posts and doorway in front; plate-glass windows, steam-heat; owner, Charles B. Cory, Boston; architects, Bryant & Eaton, Boston.

Jackson, Miss. — A building for the Colored State Insane Asylum, to cost $55,000, will be built; contractor, C. M. Ruburst, Meridian, Miss.

Minneapolis, Minn. — Great Northern Railway Co., brick round-house, cor. Winter and Tyler Sts.; cost, $25,000.

Minneapolis & St. Louis Ry. Co., brick machine-shop, St. Louis Ry., near Cedar Lake; cost, $25,000.

New York, N. Y. — *One Hundred and Seventeenth St.*, n s, 125′ e Second Ave., two-st'y brick storage building, tin roof; cost, $3,500; owners, N. Y. Condensed Milk Co., 71 Hudson St.; architect, M. V. B. Ferdon, 272 West Thirty-fourth St.

Bulkhead, foot of Rutger St., East River, one-st'y iron freight-shed, tin roof; cost, $15,000; owners, New England Terminal Co., 22 William St.; architect, R. P. Staats, 35 Broadway.

Bleecker St., n w cor. South Fifth Ave., six-st'y brick storage building, tin roof; cost, $45,000; owner, P. H. McManus, 324 West Fifteenth St.; architects, Cleverdon & Putzell, 529 Broadway.

East Eighteenth St., No. 436, two-st'y brick storage building, tin roof; cost, $16,000; owner, John F. Deplaine estate, 176 Broadway; architect, Bruno W. Berger, 80 Bible House.

Princeton, N. J. — College dormitory (David Brown Hall), brownstone, four stories 101′ x 123′, Florentine and Renaissance style; square court in middle; cost, abt. $130,000; architect, John Lyman Faxon, Boston.

BUILDING INTELLIGENCE.

Weymouth, Mass.—Public Library building, 45.6′ x 48′; constructed of brick, stone and terra-cotta; mansard roof, slated; business rooms in basement, hall in third story; book-room to contain 20,000 volumes; architect, S. S. Woodcock, Boston.

PROPOSALS.

COURT-HOUSE. [At Brockton, Mass.]

OFFICE OF J. WILLIAMS BEAL, ARCHITECT,
68 MASON BUILDING, BOSTON, MASS.

Estimates will be received at the office of the Plymouth County Commissioners in Plymouth, Mass., **up to noon, Monday, October 13,** for the construction of the new Court-house in Brockton.

All bids to be addressed to the Plymouth County Commissioners, accompanied by certified check for $500, to be sealed and endorsed "Proposal for New Court-house."

The Commissioners reserve the right to reject any or all proposals.

Plans may be seen at the above office on and after September 28.

Per order of Board of Commissioners.

JEDEDIAH DWELLEY, WM. RANKIN, WALTER H. FAUNCE, } Commissioners.
J. WILLIAMS BEAL, Architect. 770

September 15, 1890. 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 7th day of October, 1890, for furnishing and setting in place complete the iron beams, etc., required for the first floor of the United States Custom-house and Post-office building at Eastport, Me., in accordance with the drawing 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 $100. 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 Iron Beams, etc., of First Floor of the United States Custom-house and Post-office at Eastport, Me.," and addressed to JAS. H. WINDRIM, Supervising Architect. 770

MASONIC HOME. [At Utica, N. Y.]

Proposals for the erection of the Masonic Home at Utica, N. Y., will be received under seal, addressed to George Hayes, Secretary Board of Trustees Masonic

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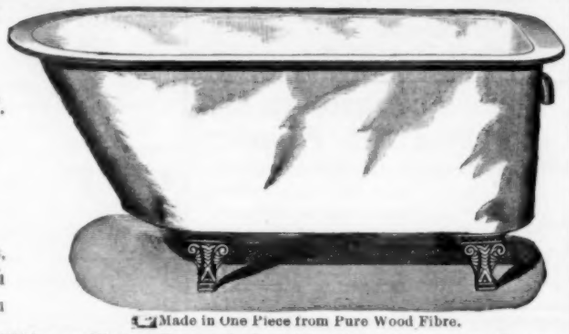

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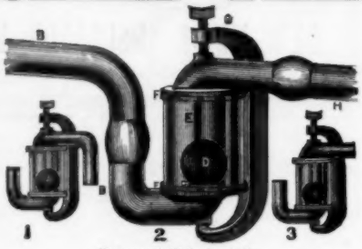

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PROPOSALS.

Hall and Asylum Fund, **until 12 o'clock, noon, on the 11th day of October, 1890.**

Plans and specifications, prepared by William H. Hume, architect, will be on exhibition on and after the 2d of September with George Hayes at the Masonic Hall, corner of Twenty-third Street and Sixth Avenue, New York City, and also with Alexander T. Goodwin, 75 Genesee Street, in the city of Utica.

Proposals must be accompanied by satisfactory bonds in the sum of fifty thousand dollars, warranting the faithful performance of the contract.

The Board of Trustees reserve the right to reject any or all bids. GEORGE HAYES,
769 Secretary.

ALMSHOUSE. [At Cranston, R. I.]

Sealed proposals will be received by the Committee on Buildings and Repairs of the Board of State Charities and Corrections for building the male wing of the new State Almshouse at the State institutions, Cranston, R. I., **until 12 M., September 30, 1890.**

The plans and specifications for the work can be seen at the office of Stone, Carpenter & Willson, architects, 65 Westminster Street, Providence, R. I.

The Committee will receive bids for the masonwork, carpenter-work, steam-heating, plumbing and gas-piping in one bid or in separate bids, and reserve the right to reject any or all bids, as they may deem for the best interests of the State.

Per order of the Committee on Buildings and Repairs.

STONE, CARPENTER & WILLSON,
770 Architects.

September 11, 1890. 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 October, 1890, for all the labor and materials required for furring, lathing, plastering, floor-arches and concrete floors for the United States Post-office, etc., building at Dayton, Ohio, in accordance with the drawings and specifications, 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 $200. The Department will reject all bids received after the time herein stated for the opening of the same; also bids which do not comply strictly with all the requirements of this invitation. Proposals must be enclosed in an envelope sealed and marked "Proposal for Furring, Lathing, Plastering, Concrete Floors, etc., at Dayton, Ohio," and addressed to JAS. H. WINDRIM Supervising Architect. 770

September 12, 1890. 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 October, 1890, for all the labor and material required to furnish and put in place complete the low-pressure, steam-heating and ventilating apparatus, etc., for the United States Court-house and Post-office building at Pittsburgh, Pa., in accordance with the drawings and specifications, copies of which may be had on application at this office or the office of the Superintendent at Pittsburgh, Pa. Each bid must be accompanied by a certified check for $1,000. The Department will reject all bids received after the time herein stated for the opening of the same; also, all bids which do not comply strictly with all requirements of this invitation. Proposals must be enclosed in envelopes sealed and marked "Proposal for a Low-pressure, Steam-heating and Ventilating Apparatus, etc., for the United States Court-house and Post-office building at Pittsburgh, Pa.," and addressed to JAS. H. WINDRIM, Supervising Architect. 770

September 5, 1890. 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 26th day of September, 1890, for furnishing and putting in place complete one hydraulic passenger-elevator, one direct-acting freight-elevator and one direct-acting ash-lift for the United States Court-house, Post-office, etc., at Rochester, N. Y., in accordance with the specification and drawings, copies of which may be had on application at this office or the office of the Superintendent at Rochester, N. Y. Each bid must be accompanied by a certified check for $200. The Department will reject all bids received after the time herein stated for receiving the same; also, all bids which do not comply strictly with all the requirements of this invitation. Proposals must be enclosed in an envelope sealed and marked "Proposal for Elevators for the United States Court-house, Post-office, etc., at Rochester, N. Y.," and addressed to JAS. H. WINDRIM, Supervising Architect. 769

September 6, 1890. 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 September, 1890, for all the labor and material and fixing in place complete the low-temperature, hot-water heating and ventilating apparatus for the extension to the United States Post-office, Court-house, etc., building at Charleston, W. Va., including the reconstruction of the piping, taking down and moving and re-setting boiler of old apparatus, in accordance with the drawings and specifications, 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 $100. The Department will reject all bids received after the time herein stated for the opening of the same; also, bids which do not comply strictly with all the requirements of this invitation. Proposals must be enclosed in an envelope sealed and marked "Proposal for the Low-temperature, Hot-water Heating and Ventilating Apparatus, etc., for the Extension to the United States Post-office, Court-house, etc., building at Charleston, W. Va.," and addressed to JAS. H. WINDRIM, Supervising Architect. 769

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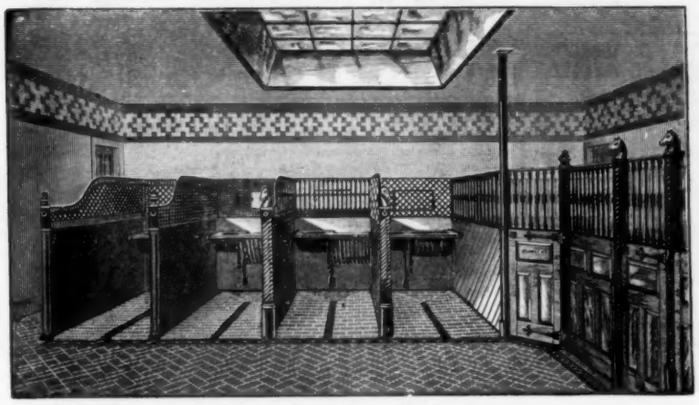

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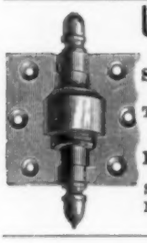

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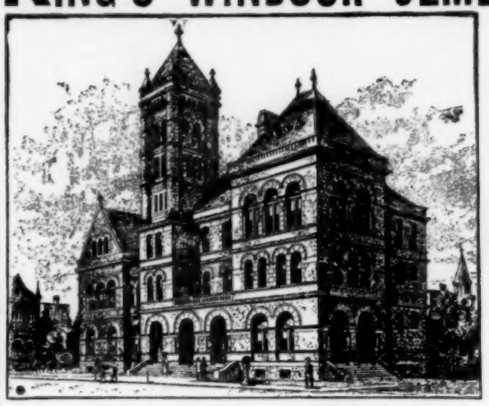

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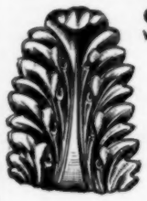

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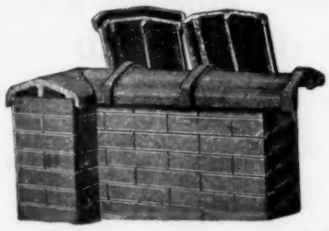

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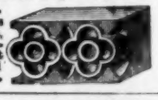

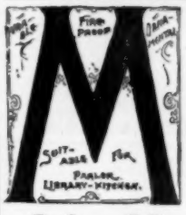

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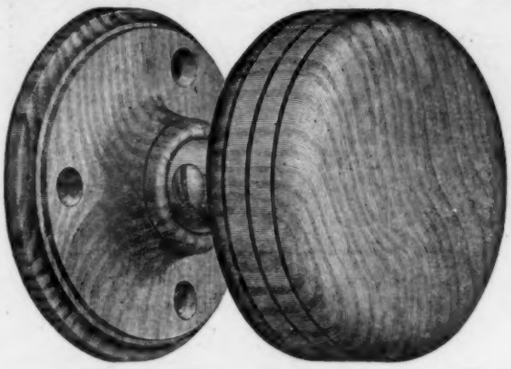

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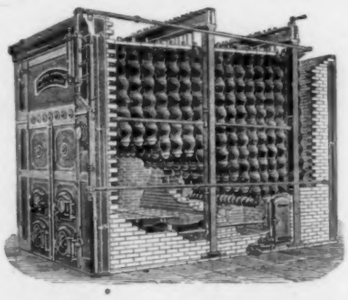

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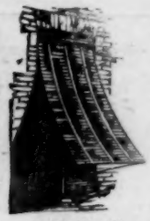

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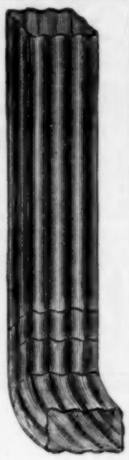

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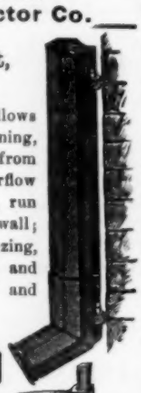

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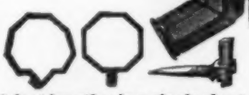

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" 3d quality	18 00 @ 22 00	35 00 @ 40 00	14 00 @ 20 00	30 00 @ 35 00
Spruce	@ 25 00	13 00 @ 25 00	*Not sold.*	16 00 @ 20 00
Hemlock	@ 13½ @ 14	13 00 @ 15 00	@ 12 00	11 25 @ 13 50
Yellow pine	20 @ 40	25 00 @ 35 00	29 00 @ 37 00	14 00 @ 29 00
Cypress	@	32 00 @ 40 00	@	@ 35 00
Clapboards:				
Pine	@	40 00 @ 60 00	10 00 @ 22 00	14 00 @ 25 00
Spruce	@	25 00 @ 40 00	*Not sold.*	*Not Sold.*
Framing Timber:				
Pine			12 00 @ 15 00	25 00 @ 37 30
Spruce	14 00 @ 18 00	15 50 @ 20 00	*Not sold.*	16 00 @ 18 00
Hemlock	12 00 @ 16 00	14 00 @ 16 00	10 00 @ 13 00	13 00 @ 17 00
Yellow pine	18 00 @ 21 00	24 00 @ 35 00		22 00 @ 28 00
Laths:				
Pine	@	2 25 @ 2 35	2 10 @ 2 25	2 75 @ 3 00
Spruce	2 15 @ 2 25	2 25 @ 2 50	*Not sold.*	2 30 @ 3 00
Shingles:				
Pine, shaved ₱ 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 ₱ 125	1 40 @ 1 60	3 75 @ 4 00	6 00 @ 7 50	30" $35 @ 40; 24" 8 @ 21; 20" 35 @ 14
Cedar, split ₱ M	@	@	*Not sold.*	
Cedar, sawed "	@	2 00 @ 4 00	2 00 @ 2 35	
Cypress. Split....7 x 24. "	18 00 @ 20 00	5 00 @ 6 00	3 50 @ 4 00	11 00 @ 14 00
Miscellaneous:				
Piles ₱ ft.	4½ @ 5½	Piles 6c. ₱ ft.	Cut to order.	
Fence pickets, Commo	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 "	@	25 @ 50	*Not sold.*	20 @ 30
Finishing Woods: ₱ M. (*First Qual. Kiln-dried.*)				
Ash	@ 55 00	45 00 @ 60 00	30 00 @ 40 00	30 00 40 00
Cherry	80 00 @ 120 00	85 00 @ 120 00	80 00 @ 100 00	80 00 @ 100 00
Butternut	40 00 @ 60 00	60 00 @ 70 00	50 00 @ 60 00	70 00 @ 80 00
Hard-pine floors (rift)		50 00 @ 60 00		
Mahogany, Baywood [Mexican]	@ 180 00	150 00 @ 160 00	150 00 @ 200 00	150 00 @ 250 00
" St. Domingo	@ 350 00	120 00 @ 350 00	200 00 @ 250 00	200 00 @ 400 00
Maple	45 00 @ 50 00	45 00 @ 50 00	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 @ 80 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 ₱ ℔	@ 6		@ 7	
Spruce floors (clear, kiln-dried)		32 00 @ 35 00		
Walnut, black	125 00 @ 150 00	80 00 @ 120 00	55 00 @ 100 00	50 00 @ 17 00
Whitewood	45 00 @ 50 00	40 00 @ 45 00	18 00 @ 40 00	25 00 @ 40 00
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Jersey	5 25 @ 6 25	Bay State Hard 9 00 @ 10 00		" @ 9 00
Long Island	6 25 @ 6 75			Salmon " @ 6 50
Up River	6 00 @ 6 50			Sq. " @ 9 00
Haverstraw Bay 2nd	6 50 @ 6 75	Domestic Com. 9 50 @ 10 00	Indiana Pressed 14 00 @ 20 00	Light Stretchers @ 12 00
" 1st	7 00 @ 7 25	Domestic Face 20 00 @ 22 00	St. Louis Fronts @ 27 00	Medium " @ 14 00
Hollow	@ 13 00	Philadelphia 40 00 @ 45 00		Red " @ 15 00
Fronts		Phila. mould 50 00 @ 80 00		Dark " @ 15 00
Croton, Brown	14 00 @ 15 00			Pressed 22 00 @ 26 00
" dark	15 00 @ 16 00			Best Paving @ 16 00
" red	15 00 @ 16 00			Second " @ 14 00
Chicago pressed (Anderson)		Anderson 14 00 @ 32 00		Third " @ 13 00
Chicago Moulded				
Baltimore	7 00 @ 41 00		15 00 @ 27 00	
Philadelphia	@ 22 00		65 00 @ 350 00	
Trenton	@ 22 00		@ 55 00	
Milwaukee			45 00 @ 50 00	
Moulded:			45 00 @	
Glens Falls Red Pressed	@ 37 00		25 00 @	
" " Buff "	@ 30 00		60 00 @ 100 00	
" " Moulded Red & Buff	45 00 @ 70 00		30 @	
Enamelled: *Imp.*			35 @	
Enamelled (edge.)	85 00 @ 100 00		55 00 @ 65 00	Dom. @ 65
Enamelled (edge and end)	90 00 @ 115 00		@ 100 00	@ 85
CEMENT, LIME, etc.—(₱ *cask.*)			@ 120 00	
Rosendale Cement	90 @ 1 00	1 20 @ 1 40	*Not Sold.*	1 30 @ 50
Louisville "		Brooks, S. & Co 2 60 @ 3 00	1 05 @ 1 30	B & S.E. 275 @ 300
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
" " (Burham)	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 90	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 50 @ 2 75
" " (Vorwohler)	2 50 @ 2 90	Cleopatra 2 55 @ 3 00	@	3 00 @ 3 25
" " (Lagerdofer)	2 90 @ 3 25	3 00 @ 3 50	2 75 @ 3 00	2 75 @ 2 85
" " (Dyckerhoff)	2 50 @ 3 00		3 25 @ 3 50	
" " (Hanover)	2 35 @ 2 85		*Not Sold.*	2 50 @ 2 75
" " Stettin, (Anchor)	2 15 @ 2 45	2 15 @ 2 50	*Not Sold.*	3 00 @ 3 50
" American (Saylor's)	2 75 @ 3 00	@ 3 00	2 75 @ 3 00	6 50 @ 7 00
Roman	5 75 @ 6 50	@ 6 00	2 75 @ 3 25	8 00 @ 9 00
Keene's coarse	9 25 @ 10 25	@ 11 50	6 00 @ 7 00	White Lime 25 @ 30 ₱ bush
" superfine			9 @ 10 50	White Mass 1 25 @ 1 50
Lime:	3 50 @ 4 00		*Not sold.*	1 00 @ 1 00
Lime of Tell	@ 1 45	@ 1 35		
Hydraulic Lime		St. John 1 00	55 @	
Chicago Lime in bulk			60 @	*Not sold.*
Wisconsin "	@ 1 00	@ 1 05	*Not sold.*	*Not sold.*
Rockland and Rockport, (Com.)	@ 1 20	@ 1 10	*Not sold.*	1 00 bulk, 75c.
Rockland and Rockport, finish	@ 1 20	@ 1 20	1 00 bulk, 75c.	*Not sold.*
Kelley Island Lime, finish	@ 85	*Not sold.*	*Not sold.*	*Not sold.*
State, com. cargo rates (nom.)	@ 1 10	*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
" (casting)	12 @ 15	25 @ 30	20 @ 25	20 @ 25
Hair (Cattle) ₱ *bush.*	22 @ 25	@ 90	30 @ 35	30 @ 35
" (Goat)	1 00 @ 1 25	1 75 @ 1 90	@ 60	@ 1 50
Sand, ₱ *load*				
STONE. (₱ *cubic foot, rough.*)		@ 60		55 @ 65
Granite: (*Maine*)	45 @ 1 25	95 @ 1 00	50 @	75 @ 90
Limestone:	@ 1 00		35 @ 55	Richmond 75 @ 1 50
Bedford	@		35 @ 60	4 50 ₱ Perch
Joliet	1 @		@ 1 00	
Lemont				
Serpentine		10 50 per ton		

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Mortar Colors.				
Black, brown, buff ℔ lb.	1 @ 2½			
Colorific ℔ lb.	@ 2½			
Red	@ 3			
White ℔ bbl.	@ 1 75			
Foundation:				
Dimension	@	5 00 ℔ ton	20@	@ 5 00
Block	@	4 60 ℔ perch		Conshocken
Rubble	@	1 25 @ 1 50	8 50 @	1 45 @ 2 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		95 @ 1 16
Kibbe	@ 90	90 @ 1 10		
Brown (Connecticut)	1 00 @	1 25 @ 1 45	1 50 ℔ cub. ft.	1 05 @ 1 35
Amherst (Ohio)	90 @ 95	90 @ 1 00	45 @ 50	
Berea (Ohio)	75 @ 1 00	85 @ 90	45 @ 55	55 @ 1 00
Berlin (Ohio)	75 @ 1 00	80 @ 90	55 @ 65	
Belleville	80 @ 1 25	1 25 @ 1 35	@ 1 25	1 10 @ 1
New Brunswick (Dorchester)	@ 1 00	75 @ 90	"	1 00 @ 1
Caen	@	@ 2 00	"	1 25 @ 1
Carlisle. English	@ 1 05	@ 1 05		95 @ 1
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	350 @ 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*)	5 00 @ 6 00	4 75 @ 5 25	5 50 @ 6 10	2 30 @ 3 00
" green	5 00 @ 6 00	5 50 @ 6 50	6 50 @ 7 10	3 25 @ 3 75
" " unfading	5 00 @ 6 00	5 50 @ 6 50	6 50 @ 7 10	3 50 @ 4 50
" purple	@ 10 00	10 00 @ 11 00	12 00 @ 14 00	7 50 @ 10 25
" red	4 25 @ 4 75	@	6 25 @ 6 85	3 25 @ 4 00
" black, Lehigh	— —	@	7 30 @ 8 00	4 00 @ 4 65
" " Chapmans	5 50 @ 8 00	5 50 @ 8 0	6 00 @ 9 00	5 50 @ 8 00
" Unfading Black, Monson, Me.	@		*Not sold.*	@ 25 00
Tiles, Am. ℔ M.	@			6 00 @ 6 75
N. Peach Bottom, warranted unfading				
PAINTS. (*In oil,* ℔ *lb.*)				
White lead, Am.	7 @ 7½	7 @ 7½	6½ @ 7	@ 7
" Zinc, "	5 @ 8½	@ 8	7 @ 10½	@ 7
Red lead, Am.,	6½ @ 7	@ 7½	6½ @ 7	@ 7
" Venetian	6 @ 10½	7 @ 12	1½ @ 2½	dry Eng. @ 8
" Vermilion	65 @ 70	72 @ 75 dry	65 @ 68	Eng. @ 66
Red Indian, Eng.	12 @ 20	12 @ 20	12 @ 20	6½ @ 7
Yellow Ochre	6 @ 15	7 @ 12	3 @ 15	dry Am. @ 1½
" Chrome	12 @ 20	18 @ 25	15 @ 25	@ 18
Green (chrome)	8 @ 13	8 @ 20	8 @ 20	@ 12
Green, Paris,	25 @ 40	25 @ 40	18 @ 35	" 20 @ 25
Black, lamp,	15 @ 25	15 @ 25	8 @ 30	@ 12
Blue, ultramarine	12 @ 18	18 @ 30	12 @ 35	@ 20
Oil, linseed, (raw) (℔ gal.)	58 @ 62	61 @ 62	57 @ 60	@ 58
" " boiled (℔ gal.)	61 @ 65	64 @ 65	60 @ 63	@ 61
Turpentine (℔ gal.)	40 @ 41	@ 45	51 @ 51	@ 50
Varnish, coach (℔ gal.)	@	1 50 @ 5 00	1 25 @ 2 00	@ 3 00
Shellac (℔ gal.)	@	2 50 @ 3 00	2 25 @ 4 00	@ 2 75
Putty	2 @	2 @ 4	02½	@ 2
Whiting (℔ cwt.)	75 @ 1 00	1 @ 1½	1 @ 1½	@ 1
Paris white, (Eng.) (℔ cwt.)	1 30 @ 2 00	2 @ 3	1½ @ 2	@ 1½
Litharge, Am. (℔ cwt.)	5½ @ 6	@ 7½	6½ @ 7	@ 7
Sienna (burnt) (℔ cwt.)	14 @ 20	14 @ 20	4 @ 16	@ 14
Umber. (℔ cwt.)	14 @ 20	14 @ 20	2 @ 10	@ 12
HARDWARE.				
Nails: (*Per Cask.*) Spikes, (*wrought.*)	@ 2 85		2 75 @ 3 00	pr kg @ 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 70	@ 3 65	3 60 @ 4 75
Finishing nails according to size.)			Add .85 to $1.15	per ℔ 4 @ 6
(*For casing nails add 75c. per keg.*)			" .50 to .90	Add pr cask
Butts: 4"x 4" (℔ 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 ℔ pair.)	@ 55	@ 50	*Not sold.*	48 @ 50
Bronze metal	@ 1 90	plain 1 65	2 00 @ 3 25	@ 1 75
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	@ 50	@ 75	65 @ 80	*Not sold.*
Hematite	*Not sold*	17 @ 33	31 @ 40	25 @ 50
Porcelain	@ 30	@ 10	25 @ 30	@ 25
Glass, solid	*Not sold*	@ 50	*Not sold.*	1 00 @ 2 50
Glass, silvered	*Not sold*	88 @ 1 00	@ 1 50	1 75 @ 2 00
Bronze metal	75 @ 2 00	50 @ 3 00	50 @ 3 00	50 @ 3 50
Brass	1 00 @ 2 50	50 @ 3 00	1 00 @ 3 00	75 @ 1 25
Solder:		@	13 @ 16	13½ @ 16
Sheet Lead		@ 8	7	@ 6½
Lead Pipe		@ 7½	6½	6 @ 6
Iron:				
I-Beams, up to and including 30 ft.	3 3-10 @ 3½	@ 3 1-10	@	@ 2 8-10
I-Beams, over 30 ft. ¼, ½, ¾ c. advance.	@		3 20 @ 3 70	@ 2 8-10
Channel-Beams	3 3-10 @ 3½	@ 3 1-10	" @ "	@ 2 8-10

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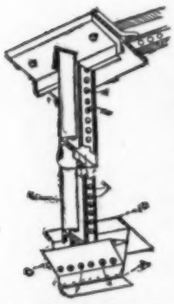

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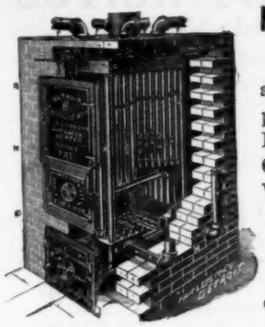

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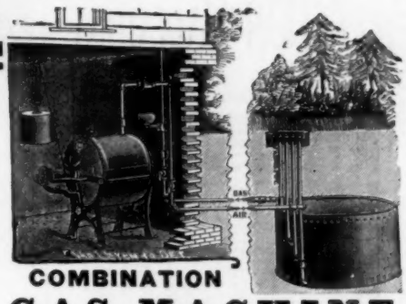

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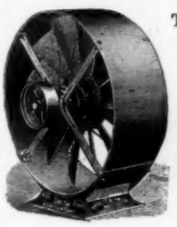

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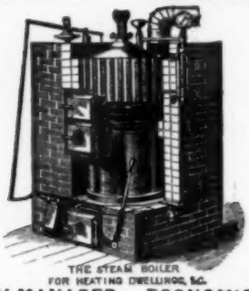

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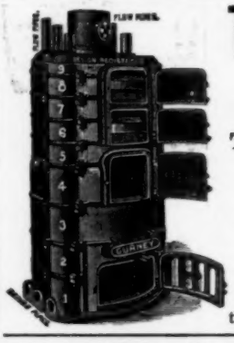

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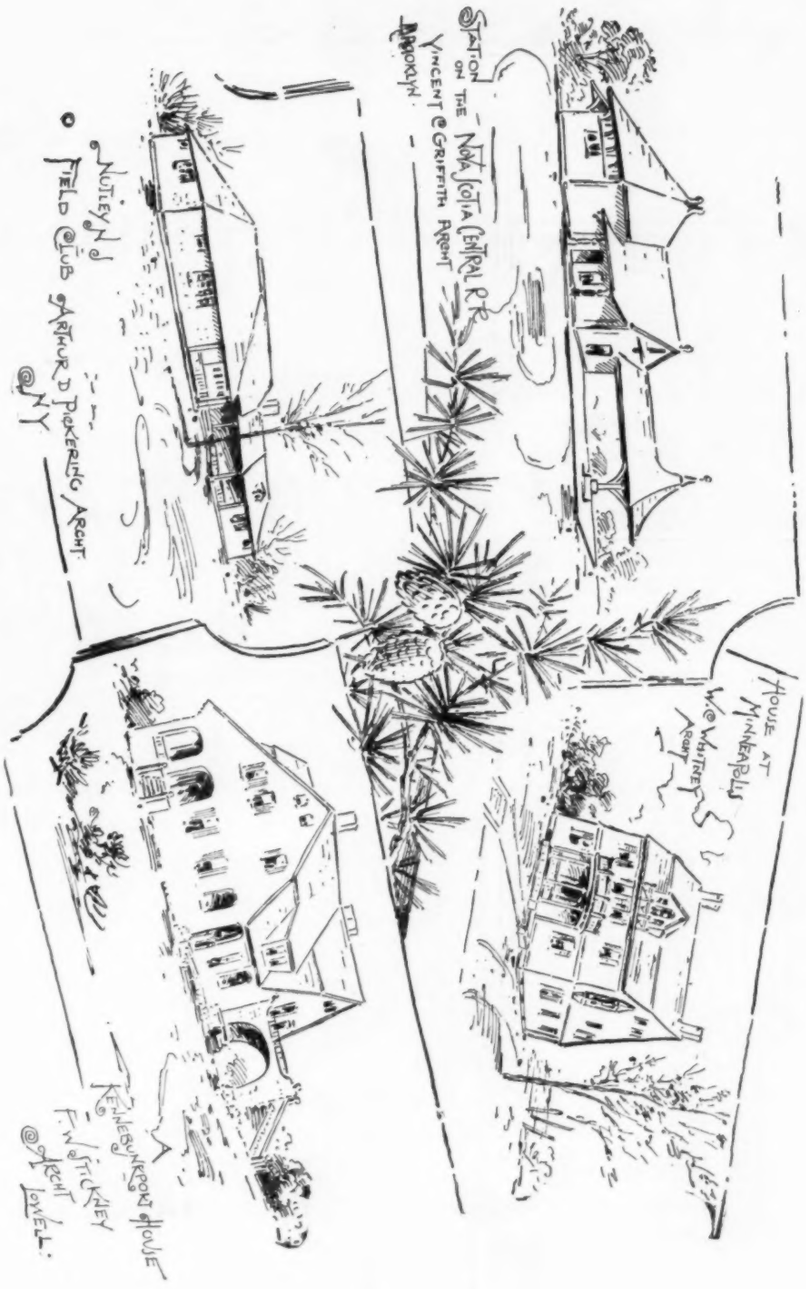

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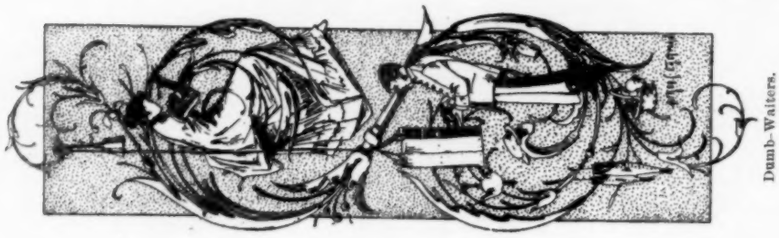

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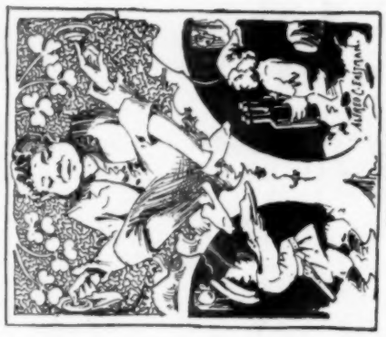

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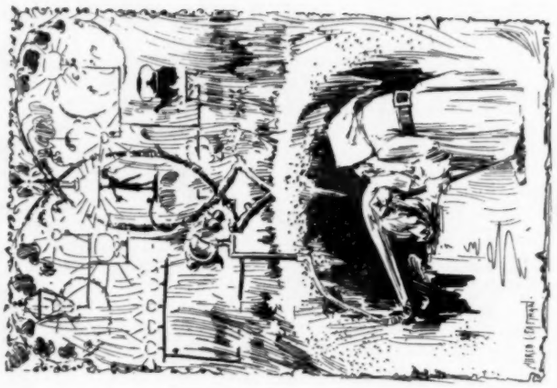

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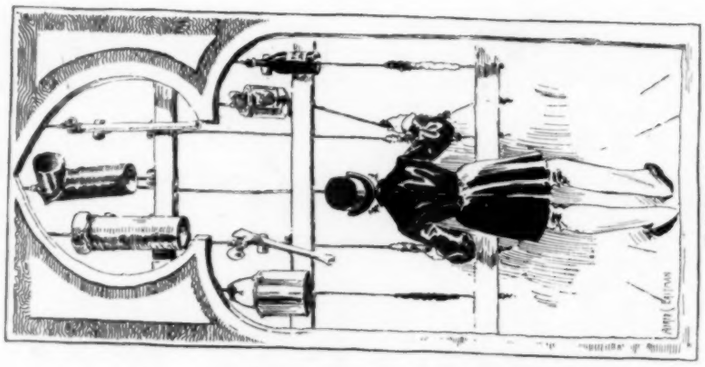

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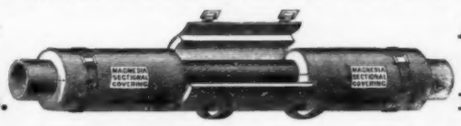

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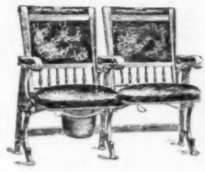

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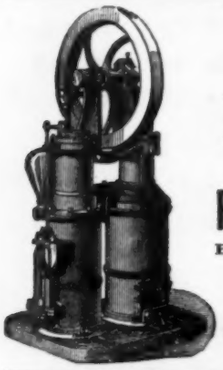

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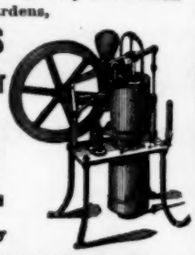

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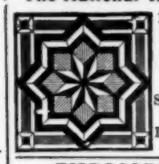

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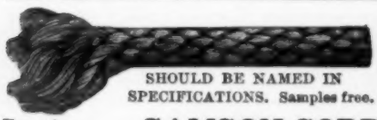

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BUILDING INTELLIGENCE.

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[*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.

Boston, Mass.— *Washington St., Nos.* 786-790, Ward 12, main building increased two stories for mercantile purposes; owner, R. Sherburne; builders, Richardson & Young.

Post Office Square, alterations to counting-room of the Massachusetts Loan & Trust Co.; contract to be let; architect, W. Whitney Lewis.

Hanover St., Nos. 168-172, extending two buildings, adding stories, and refitting for stores and mercantile purposes; owner, L. V. Niles; masons, Fessenden & Libby; carpenter, I. F. Tarbox; architects, Rand & Taylor.

Chicago, Ill. — Jacob Monzell, two-st'y addition, Winter and Fifty-first Sts.; cost, $3,000.

J. S. Colman, one-st'y addition, 536 Wabash Ave.; cost, $5,000.

Jno. Marsedi, two-st'y addition, 516 North Robey St.; cost, $1,200.

Goundee, Brost & Co., one-st'y addition, 225 West Twelfth St.; cost, $1,000.

B. Lity, one-st'y addition, 1333 Robey St.

Alex Cole, addition, 421 Fifty-eighth St.

Indian Orchard, Mass. — Chapman Valve Co., three-st'y brick addition, Pine St.; architect, F. R. Richmond, Springfield.

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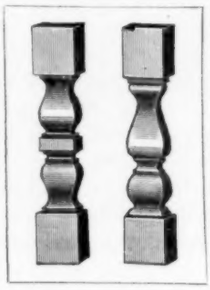

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APARTMENT-HOUSES.

Boston, Mass. — *Dundee St., Nos.* 42-52, Ward 11, 6 four-st'y brick apartments, flat roofs, 20′ x 42′; owner, W. M. Henderson; builder, G. W. Adams.

Waltham St., No. 9, Ward 17, four-st'y brick apartments, flat roof, 20′ x 47′; owner, Mrs. M. M. Adams; builder, B. Y. Heath.

New York, N. Y. — *East Eighty-ninth St., Nos.* 438-442, 2 five-st'y brick flats, tin roofs; cost, $34,000; owner, Bertha Von Barber, 442 East Eighty-ninth St.; architect, Frank Wennemer, 204 East Eighty-sixth St.

East One Hundred and Third St., No. 237, five-st'y brick flats, tin roofs; cost, $15,000; owner, Christian Nurge, 440 East Eighty-eighth St.; architect, Bruno W. Berger, 80 Bible House.

Waverley Pl., No. 106, five-st'y brick flat, tin roof; cost, $30,000; owner, Andrew J. Kelley, s e cor. Prospect Ave. and One Hundred and Sixty-fifth St.; architect, G. A. Schellinger, 128 Broadway.

Ninety-eighth St., n s, 100′ e Columbus Ave., five-st'y brick flats, tin roof; cost, $20,000; owner, Alexander Cameron, 76 Eighth Ave.; architect, Henry Davidson, 222 Ninth Ave.

One Hundred and Sixth St., n s, 265′ w Ninth Ave., 3 five-st'y brick flats, tin roofs; cost, $69,000; owner, Jacob John Barnes, 22 Jewet Ave., Jersey City, N. J.; architect, Anson Birch, 1389 Broadway.

Ninetieth St., n s, 125′ w Third Ave., five-st'y brick flats, tin roof; cost, $20,000; owner, Elizabeth Johnston, 25 East Eightieth St.; architects, A. B. Ogden & Son, 1031 Madison Ave.

Ninetieth St., s s, 200′ e Second Ave., 4 five-st'y brick flats, tin roofs; cost, $72,000; owners, Higgins & King, 1420 Second Ave.; architects, Thom & Wilson, 1267 Broadway.

West Twenty-ninth St., No. 304, five-st'y brick flat, tin roof; cost, $18,000; owner, Robert Begge, 306 West Twenty-ninth St.; architect, James W. Cole, 403 West Fifty-first St.

Greenwich Ave., Nos. 17-19, 2 five-st'y brick flats, tin roofs; cost, $44,000; owner, John Goerlitz, 345 East Forty-ninth St.; architect, Franklin Baylies, 51-52 Bible House.

Seventy-fourth St., n s, 225′ w First Ave., 2 five-st'y brick flats, tin roofs; cost, $36,000; owner, Philip Braender, 120 East Eighty-sixth St.; architect, William Graul, 215 Bowery.

Ninety-third St., s s, 275′ e Columbus Ave., 2 five-st'y brick flats, tin roofs; cost, $45,000; owner, John Selfridge, 256 West Fifty-fifth St.; architect, G. A. Schellinger, 128 Broadway.

Columbus Ave., e s, 54′ n Seventy-fourth St., 2 five-st'y brick flats, tin roofs; cost, $45,000; owner, Thomas Nugent, 82 East Eighty-first St.; architect, G. A. Schellinger, 128 Broadway.

East Twenty-third St., Nos. 205-207, 2 five-st'y brick flats, tin roofs; cost, $48,000; owners, Fish & Wilcox, 330 East Ninth St.; architects, Schneider & Herter, 48 Bible House.

East Fifth St., Nos. 731-735, brick flats, tin roofs; cost, $38,000; owners and architects, Schneider & Herter, 48 Bible House.

One Hundred and First St., n s, 30′ w Columbus Ave., 2 five-st'y brick flats, tin roofs; cost, $40,000; owner, Henry S. Cates, 32 Warren St.; architect, Henry S. Davidson, 222 Ninth Ave.

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Ave., 2 five-st'y brick flats, tin roofs; cost, $40,000; owner, John Hickey, 1729 Lexington Ave.; architect, Edward Wenz, 1491 Third Ave.

Third Ave., n e cor. One Hundred and Fifty-sixth St., 4 five-st'y brick and stone flats; cost, $90,000; owner, Jacob Wicks; architect, Edward Wenz.

CHURCHES.

Cambridge, Mass.—Stone church, 43′ x 99.6′, for St. Luke's Reformed Episcopal Society; seating-capacity, 300; cost, abt. $10,000; contract to be let; architect, Willard M. Bacon, Boston.

East Boston, Mass.—*Cottage St.*, cor. Marginal St., three-st'y brick mission building, 45′ x 78′, with brick and stone church connecting, 38.6′ x 86′, for the Free Church of St. Mary for Sailors; cost, abt. $30,000; builders, Holmes Bros.; architect, Willard M. Bacon, Boston.

Goffe's Falls, N. H.—Stone and wood church, 34′ x 50′, for the Congregational Society; architect, Willard M. Bacon, Boston.

Grand Rapids, Mich.—*Ionia St.*, cor. Sixth Ave., brick veneered church for the Calvary Baptist Church Society; cost, abt. $7,000; architect, W. G. Robinson.

New York, N. Y.—*Eighty-second St., No.* 323, two-st'y brick synagogue, tin roof; cost, $7,500; owner, Congregation Atereth Israel, 520 East Eighty-second St.; architects, Cohen & Rondel, 225 East Seventy-fifth St.

FACTORIES.

New York, N. Y.—*West Thirty-fifth St., Nos.* 526-528, five-st'y brick factory, tin roof; cost, $30,000; owner, Edward H. Johnson, 525-529 West Thirty-fourth St.; architect, J. Kastner, 744 Broadway.

HOUSES.

Boston, Mass.—*Baxter St.*, near Weld St., Ward 23, three-st'y frame dwell., flat roof, 22′ x 36′; owner, Patrick Keenan; builders, H. S. & N. Clark.

Worley St., near Weld St., Ward 23, frame dwell., 22′ x 35′; owner, Mrs. A. F. Hertz; builder, W. S. Mitchell.

Bennington St., No. 550, three st'y frame dwell., flat roof, 21.6′ x 40′; owner, M. Killion; builder, W. Goodwin.

Arundel St., near Selwyn St., Ward 23, frame dwell., 25′ x 30′; owner, W. F. Marculus; builder, G. Hyde.

Marmion St., near Cornwall St., Ward 23, 6 one-st'y frame dwells., 22′ x 28′; owner, Peter Barr; builder, L. W. Bryant.

Crawford St., No. 100, Ward 21, frame dwell., 27.6′ x 45.6′; owner, F. M. Babcock; builder, J. A. Corkum.

Selden St., near Capen St., Ward 24, frame dwell., 22′ x 45′; owner, J. S. Brennan; builder, A. J. Brennan.

Chelsea St., near Saratoga St., Ward 1, two-st'y frame dwell., hip roof, 20′ x 38′; owners, Boston Land Co.; builder, P. M. Hayden.

Mellen St., near Ocean St., Ward 24, frame dwell., 22′ x 39′; owner, C. N. Mellen; builder, H. H. De Lorie.

Elmo St., near Erie St., Ward 24, frame dwell., 20′ x 33′; owner, Mrs. C. F. Baldwin; builder, C. A. Dearborn.

Topliffe St., cor. Homes Ave., Ward 24, frame dwell., 24′ x 37′; owner, Rosanna Simpson; builder, J. H. Kellar.

Topliffe St., cor. Homes Ave., Ward 24, frame dwell., 25′ x 44′; owner and builder, P. J. Campbell.

Westville St., near Ditson St., Ward 24, two frame dwells., 23′ x 42.6′; owners, H. A. Verge and John Yates; builder, H. A. Verge.

Wrentham St., near Dorchester Ave., Ward 24, three frame dwells., 24′ x 42′; owner and builder, J. I. Stewart.

Topliffe St., near Homes Ave., Ward 24, frame dwell., 20.6′ x 38′; owner, Mary Quilty; builder, J. H. Kellar.

Topliffe St., near Homes Ave., Ward 24, frame dwell., 25′ x 44′; owner, J. C. McRae; builder, J. H. Kellar.

Falcon St., near Putnam St., Ward 1, frame dwell., 21.6′ x 40′; owner, Mary A. F. Lambert; builder, D. D. Fish.

Dromey Ave., near Brookford St., Ward 20, 2 three-st'y frame dwells., flat roofs, 25′ x 44′; owner, Catharine Dromey; builder, W. W. Dromey.

Woodward Park St., near Howard Ave., Ward 20, three-st'y frame dwell., flat roof, 22′ x 51′; owner and builder, G. A. Clifford.

Dorchester Ave., near Van Winkle St., Ward 24, frame dwell., 25′ x 38′; owner and builder, Isaac Schurman.

Tileston Ave., near Walk Hill St., Ward 24, frame dwell., 15′ x 40′; owner, Amos M. Leonard; builder, W. D. Rice.

Van Winkle St., near Dorchester Ave., Ward 24, frame dwell., 25′ x 38′; owner and builder, Isaac Schurman.

Melville Ave., near Waldeck St., Ward 24, two-st'y frame dwell., hip roof, 27.8′ x 39.8′; owner, Mrs. S. E. Young; builder, J. M. Larkin.

Austin St., No. 27, Ward 5, three-st'y frame dwell., flat roof, 22.6′ x 48′; owner, T. J. Emery; builder, J. B. Wilson.

Queen St., near King St., Ward 24, frame dwell., 22′ x 51′; owner, F. B. Lothrop; builders, McLeod & Chappelle.

Beacon St., No. 536, Ward 22, five-st'y brick dwell., mansard roof, 26′ x 70′; owner, G. Z. Silsbee; builder, C. H. Dodge.

Brooklyn, N. Y.—*Washington Ave.*, w s, 100′ n Fulton St., four-st'y brick dwell., gravel roof; cost, $10,000; owner, M. Lang, 230 Cumberland St.; architect, J. G. Glover, 186 Remsen St.

Prospect Ave., s s, 250′ e Seventh Ave., 2 four-st'y brick dwells., tin roofs; total cost, $21,000; owner, A. Belitz, 258 Dean St.; architect, George R. Dietrick, 27 Boerum Pl.

Carroll St., n s, 569′ 8″ e Eighth Ave., four-st'y brick dwell., tin roof; cost, $20,000; owner, Wm. R. Webster; architects, N. Le Brun & Sons, 50 Broadway, New York.

Market St., e s, 100′ s Etna St., two-st'y frame dwell., tin roof; cost, $3,500; owner, George G. Peavey, 2927 Atlantic Ave.; architects, Danmar & Fischer, 2921 Atlantic Ave.

Pulaski St., s s, 479′ 3″ e Throop Ave., 6 four-st'y brick dwells., tin roofs; cost, $6,000 each; owner, Cora Waldron, 2134 Fulton St.; architect, John E. Dwyer, 1540 Broadway.

McDonough St., s s, 205′ w Tompkins Ave., four-st'y brick dwell., gravel roof; cost, $35,000; owner, C. A. Betts, Fulton St. and Nostrand Ave.; architect, F. B. Langston, 1225 Bedford Ave.

Vernon Ave., s s, 33′ w Tompkins Ave., 3 three-st'y brick dwells., tin roofs; cost, $12,000; owner, Thomas Walling, on premises; architect, F. B. Langston, 1225 Bedford Ave.

McDonough St., n e cor. Ralph Ave., four-st'y brick dwell. and store, tin roof; cost, $16,000; owner, J. R. Pitt, 624 Macon St.; architect, A. J. Warren, 2583 Atlantic Ave.

Osbourne St., w s, 175′ s Belmont Ave., three-st'y frame dwell. and store, tin roof; cost, $3,500; owner, Joseph Norris; architect, A. J. Warren, 2583 Atlantic Ave.

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Bushwick Ave., e s, 149′ s Troutman St., two frame dwells., one three-st'y, one four-st'y, tin roofs; total cost, $9,000; owner, Peter Gisemann, Bushwick Ave., near Myrtle Ave.; architect, Benj. Finkensieper, 93 Broadway.

Third Ave., e s, 50′ s Fortieth St., three-st'y frame dwell. and store, tin roof; cost, $5,000; owner, Mrs. Campbell, Third Ave. and Fifty-third St.; architects, H. L. Spicer & Sons, Third Ave. and Fifty-third St.

Sixth Ave., w s, 25′ s Twentieth St., 2 four-st'y brick dwells. and stores, tin roofs; total cost, $10,000; owners, Payne & Westover, 93 Broadway, New York City; architect, W. M. Coots, 26 Court St.

Myrtle Ave., s s, 200′ e Hamburgh Ave., 2 three-st'y frame dwells. and stores, tin roofs; cost, $4,500 each; owner, Peter Brown; architects, D. Acker & Sons, 752 Broadway.

Wyckoff St., e s, 100′ n Linden St, three-st'y frame dwell., tin roof; cost, $4,500; owner, Charles Busse, Wyckoff Ave.; architects, D. Acker & Son, 752 Broadway.

Third Ave., w s, 40′ n Fifty-fourth St., four-st'y brick dwell., tin roof; cost, $5,000; owner and architect, J. W. Bailey, 66 Court St.

Ashford St., e s, 100′ n Arlington Ave., two-st'y frame dwell., tin roof; cost, $3,200; owner, W. R. Ray, 71 New Jersey Ave.; architect, W. F. Hill, 40 Vermont St.

Eldert St., s s, 275′ e Evergreen Ave., 5 two-st'y frame dwells., tin roofs; cost, $3,000 each; owner, John S. Gilbert, 140 Eldert St.; architect, John E. Dwyer, 1540 Broadway.

Montrose Ave., s s, 75′ e Humboldt St., four-st'y frame dwell., tin roof; cost, $6,300; owner, Adam J. Wuest, 204 Montrose Ave.; architect, Th. Engelhardt, 905 Broadway.

Pennsylvania Ave., w s, 150′ n Sutter Ave., two-st'y frame dwell., shingle roof; cost, $4,500; owner, Johanna Boyle; architect, A. J. Warren, 2853 Atlantic Ave.

Fayette St., s s, 250′ e Broadway, three-st'y frame dwell., tin roof; cost, $5,000; owner, Anthony Kribs, 24 Fayette St.; architect, Th. Engelhardt, 905 Broadway.

Carroll St., n s, 25′ w Albany Ave., 4 two-st'y brick dwells., tin roofs; cost, $2,500 each; owner, Cora Waldron, 2134 Fulton St.; architect, John E. Dwyer, 1540 Broadway.

Pulaski St., n s, 356′ 3″ e Sumner Ave., 2 three-st'y brick dwells., tin roofs; total cost, $11,000; owner, John Auer, on premises; architects, D. Acker & Son, 752 Broadway.

Thirty-sixth St., s s, 150′ w Fourth Ave., three-st'y frame dwell., tin roof; cost, $3,000; owner, Thomas Newnham, Third Ave. and Fifty-third St.; architects, H. L. Spicer & Son, Third Ave. and Fifty-third St.

Fifty-second St., n s, 312′ w Third Ave. 6 two-st'y frame dwells., tin roofs; cost, $3,050 each; owner, Wm. S. Hassan, 117 Sixteenth St.; architects, H. L. Spicer & Sons, Third Ave. and Fifty-third St.

Greene Ave., n s, 75′ w Hamburgh Ave., three-st'y frame dwell., tin roof; cost, $3,500; owner, Geo. Covert, Willoughby and Lewis Aves.; architects; Schrempf & Loeffler, 788 Myrtle Ave.

Harman St., s s, 75′ w Hamburgh Ave., three-st'y frame dwell., tin roof; cost, $3,500; owner, George Covert, Willoughby and Lewis Aves.; architects, Schrempf & Loeffler, 788 Myrtle Ave.

Franklin Ave., w s, 282′ 9″ n Myrtle Ave., four-st'y frame dwell., tin roof; cost, $4,500; owner, Mary Wade, Myrtle Ave., near Sumner Ave.; architect, Wm. A. Bennett, Union Course Park, Long Island.

Suydam St., s s, 100′ e Broadway, three-st'y frame dwell., tin roof; cost, $5,000; owner, Jacob Eckhard, 13 Suydam St.; architect, Frank Holmberg, 1161 Broadway.

Thatford Ave., w s, 85′ n Sutter Ave., 2 two-st'y frame dwells., tin roofs; cost, $2,000 each; owner, C. Bauer, 17 Hull St.; architect, Chas. Infanger, 68 Van Siclen Ave.

Patchen Ave., w s, 75′ s Hancock St., 3 two-st'y frame dwells., tin roofs; cost, $3,000 each; owner, I. B. Booth, 132 Hart St.; architect, F. W. Ames, 1002 Halsey St.

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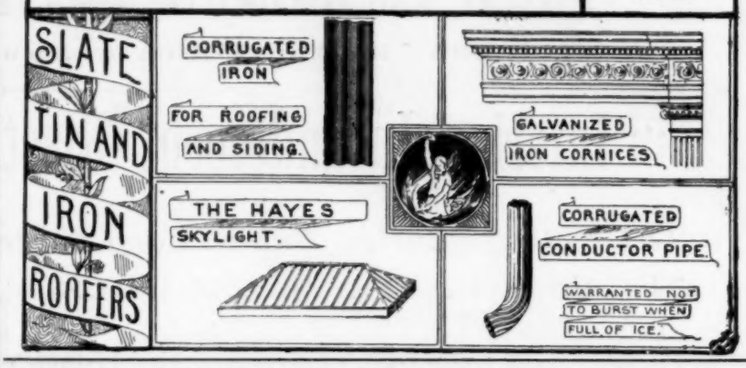

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Sumpter St., s s, 350′ 3″ e Hopkinson Ave., two-st'y frame dwell., tin roof; cost, $4,500; owner, J. Hadley, 284 Sumpter St.; architect, Frank Holmberg, 1161 Broadway.

Camden, N. J. — A block of 500 two and three st'y brick dwells. are being built on Vine St., Ninth to Eighth Sts., and State St., Ninth to Eighth Sts.; builder, Charles W. Cox, 825 Federal St.

Charles River Village, Mass.—Frame dwell., 35′ x 36′; cost, abt. $5,000; owner, C. H. W. Foster; contract to be let; architect, J. Merrill Brown, Boston.

Chicago, Ill. — George Cerveney, cottage, 6527 Ashland Ave.

Joseph Leonard, cottage, Florence and Forty-third Sts.

James Becker, four-st'y dwell., State and Forty-fourth Sts.; cost, $8,000.

H. W. Kennedy, cottage, Lyon Ave., near Eightieth St.

Rudolph Huber, cottage, 1970 Thirty-eighth St.

William Goerke, cottage, Grove Ave., near One Hundred and Fifteenth St.

Abel Gent, cottage, McLane Ave., near Hancock St.; cost, $1,300.

Jennie Baker, cottage, Center Ave., near Sixty-eighth St.

D. F. Hewes, two-st'y dwell., Emerald Ave. and Seventy-sixth St.; cost, $2,500.

Carl Heinman, cottage, 506 Melrose St.; cost, $1,000.

J. E. A. Muller, two-st'y dwell., 859 Melrose St.; cost, $4,000.

Henry Mahme, cottage, Fiftieth and Paulina Sts.; cost, $1,000.

Dewey & Cunningham, two-st'y dwell., Paulina St., near Seventy-first St.; cost, $1,600.

Dewey & Cunningham, two-st'y dwell., Mansfield Ave.; cost, $1,600.

Peter Nelson, cottage, Parnell Ave., near One Hundred and Thirtieth St.

C. F. Crogan, two-st'y dwell., Ford Ave., near Seventy-sixth St.; cost, $2,000.

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E. F. Brady, two-st'y dwell., Newport and Cornelius Sts.; cost, $1,500.

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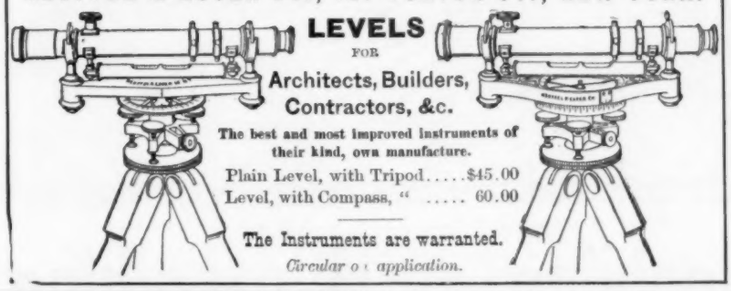

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B. D. Thurbis, 2 two-st'y dwells., Evergreen and Myrtle Sts.; cost, $3,500.
Andrew Culver, cottage, Avenue M and One Hundred and Thirteenth St.
Joseph Schultz, cottage, Avenue M and One Hundred and Seventh St.; cost, $1,000.
Herman Doonedden, 2 two-st'y dwells., 170-172 Ninety-second St.; cost, $8,000.
Henry Feeneen, cottage, Hamlin St., near Bloomingdale St.
B. F. Nygren, cottage, 465 Francis St.; cost, $1,000.
Henry Hefter, two-st'y dwell., 3312 Indiana Ave.; cost, $7,000.
C. G. Carlson, three-st'y dwell., Green and Fifty-ninth Sts.; cost, $2,500.
O. Sollett, three-st'y dwell., 3561 Prairie Ave.; cost, $3,500.
E. Everes, cottage, 2218 Harvard St.; cost, $1,300.
Thomas Boyle, two-st'y dwell., 1840 Diversey St.; cost, $1,600.
Fred Mienke, cottage, 1258 North Oakley Ave.; cost, $1,200.
L. E. Mackey, two-st'y dwell., Lafayette St., near Seventy-second St.; cost, $3,000.
M. A. Hageman, two-st'y dwell., 5629-31 Butterfield St.; cost, $3,000.
D. J. Burns, two-st'y dwell., Fifty-fifth and Tracy Sts.; cost, $3,800.
Frank Loga, cottage, Whipple and Twenty-second Sts.; cost, $1,000.
A. Larsen, cottage, 36 Cherry Pl.; cost, $1,000.
F. S. Bailey, cottage, 108 Clifton St.; cost, $1,700.
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C. E. Waite, two-st'y dwell., Emerald Ave. and Seventy-eighth St.; cost, $3,000.
M. Brockway, cottage, Page St., near Seventy-seventh St.
Fred Tomer, cottage, 2711 Howard St.
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Thomas Boyle, two cottages, Oakwood St., near Underwood St.; cost, $1,500.
N. Jansen, two cottages, 460-462 McLean St.; cost, $2,400.
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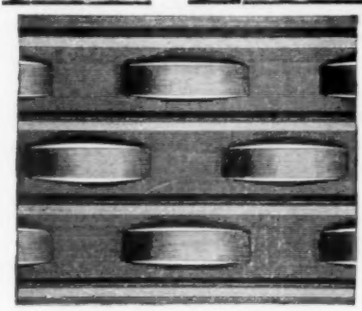

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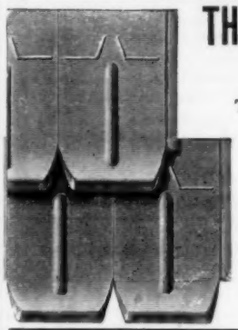

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L. Hoyt, two-st'y dwell., 6358 Star St.; cost, $4,000.
Charles Koegenberg, two-st'y dwell., Peoria and Garfield Sts.; cost, $7,000.

Dorchester, Mass. — *Glen Road*, frame dwell., 33′ x 45′; cost, abt. $5,000; owner, H. L. Doten; builder, D. G. Squires; architect, Willard M. Bacon, Boston.

Grand Rapids, Mich. — Frame dwell. for L. K. Bishop, with all modern improvements; cost, abt. $4,500; architect, W. G. Robinson; builder, W. C. Osbun.

Fall River, Mass.—Brick and frame dwell., 38′ x 80′; cost, abt. $20,000; owner, Stephen B. Ashley; contract to be let; architect, J. Merrill Brown, Boston.

New York, N. Y.—*Eighty-second St.*, s s, 120 w Central Park, West, 3 four-st'y brick dwells., tin roofs; cost, $48,000; owner, Mrs. Mary Gault, 210 West Fifty-third St.; architect, James W. Cole, 403 West Fifty-first St.
One Hundred and Twenty-first St., s s, 260′ w Lenox Ave., 7 four-st'y brick dwells., tin roofs; cost, $140,000; owner, Samuel S. Wright, 4 West One Hundred and Twenty-first St.; architects, Cleverdon & Putzell, 529 Broadway.
Eighty-fifth St., n s, 105′ e Tenth Ave, 16 four-st'y brick dwells., tin roofs; cost, $256,000; owner, D. Willis James, 11 Cliff St.; architect, John G. Prague, 1462 Ninth Ave.
One Hundred and Forty-fourth St., n s, bet. Hamilton Pl. and Grand Boulevard, four brick and stone dwells.; cost, $34,000; owners, J. B. Cross and G. B. Hewlett; architect, J. H. Hamilton.
St. Ann's Ave., n w cor. One Hundred and Forty-first St., four-st'y brick and brownstone dwell.; cost, $28,000; owner, John McQuade; architect, Julius Munckowitz.
One Hundred and Forty-third St., n s, bet. St. Nicholas and Amsterdam Aves., 2 three-st'y stone dwells.; cost, $25,000; owner, D. J. Dwyer; architect, Paul F. Higgs.

Pawtucket, R. I.—Four-st'y brick and frame building; owner, John Wardle; architect, Albert H. Humes.
Edwin Evans, three-st'y frame building; architect, Albert H. Humes.
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Philadelphia, Pa. — *Seventeenth St.*, cor. Latimer St., dwell. of Pompeiian Perth Amboy brick and terra-cotta to match; owner, H. A. Lewis; contract to be let; architect, W. Whitney Lewis, Boston.

Revere, Mass. — Frame dwell.; owner, Scott F. Brickford; contract to be let; architects, Loring & Phipps, Boston.

Somerville, Mass. — *Evergreen Ave.*, frame dwell., 24′ x 55′; owner, James W. Brooks estate; builder, Geo. T. Willoughby.
New St., leading from Marion to Wyatt Sts., 8 frame dwells., 28′ x 72′; owner, H. C. Holt; builders, Smith & Donahoe.
Broadway, cor. Hinckley St., frame dwell., 24′ x 30′ with L, 6′ x 11′; owner, Robert Brown; builder, Wm. E. Jones.
Durham St., three-st'y frame dwell., flat roof, 25′ x 40′; owner, Michael Hawkins; builder, James Mathews.
Raymond Ave., frame dwell., 16′ x 31′; owner, Harry Walker; builder, Charles C. Emerson.
Central St., cor. Hudson St., frame dwell., 24.6′ x 30′, with L's, 13′ x 15′ and 4′ x 20′; owner and builder, James E. Paul.
Webster Ave., frame dwell., 22′ x 29′; owner, Ellen Murphy; builder, Sylvester Woods.
Merriam St., frame dwell., 29′ x 32′; owner, John Keefe; builder, Sylvester Woods.

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Richdale Ave., frame dwell., 23′ x 29′; owner, Annie L. Fletcher; builder, Wm. K. Fletcher.
Lee St., frame dwell., 23′ x 39′, with L, 6′ x 11′; owner, Annie L. Fletcher; builder, Wm. K. Fletcher.
Highland Ave., near School St., frame dwell.; owner, O. C. Hubbard; contract to be let; architects, Loring & Phipps, Boston.

Springfield, Mass. — H. B. Swan, two-st'y dwell., Bowdoin St.; mason, C. G. Noel.

Waltham, Mass.—Frame dwell., 39′ x 43′; cost, abt. $8,000; owner, Edwin Bowker; builder, Geo. Dawson; architect, Willard M. Bacon, Boston.

Winthrop, Mass.—*Crest Ave.*, frame dwell., 34′ x 45′, with L, 19′ x 21′; cost, abt. $8,000; owner, O. E. Lewis; contract to be let; architect, Willard M. Bacon, Boston.
Thornton Park, frame dwell., 26.6′ x 38′; cost, abt. $3,000; owner, H. J. F. Klagge; builder, C. P. Stowe; architect, Willard M. Bacon, Boston.
Frame dwell., 27′ x 33′; cost, abt. $3,000; owner, W. H. McNeil; contract to be let; architect, Willard M. Bacon, Boston.

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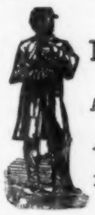

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Philadelphia, Pa. — *Seventeenth St.*, n e cor. Wood St., one-st'y boiler-house; contractor, J. H. Jordan.

Pittsfield, Mass. — Pittsfield Electric Co., brick electric-light and power plant, McKay St.; cost, $25,000.

Ware, Mass. — Central Massachusetts R. R. Co., blacksmith shop, East St.; builders, H. Cummings & Co.

BUILDING INTELLIGENCE.

house, 32′ x 75′; cost, abt. $10,000; builders, Sawyer & Brown; architect, J. Merrill Brown, Boston.

STABLES.

Boston, Mass. — *Brook Ave., No.* 42, *rear*, Ward 20 one-st'y frame stable, 20′ x 30′; owner, Abraham C. Estey; builder, F. Miller.

New York, N. Y. — *Mott St., Nos.* 216-218, two-st'y brick stable, gravel roof; cost, $7,500; owner, Thomas McCarty estate, 236 East Fifteenth St.; architects, Kurtzer & Rohl, cor. Third Ave. and Seventh St.

West Eighteenth St., Nos. 132-145, one-st'y brick stable, gravel roof; cost, $5,000; owner and architect, Lorenzo Weiher, Jr., 143 East Seventy-sixth St.

Eighty-eighth St., n s, 125′ w Tenth Ave., five-st'y brick stable, concrete roof; cost, $75,000; owner, James McNiece, 1482 Tenth Ave.; architect, George H. Griebel, 247 West One Hundred and Twenty-fifth St.

Eighty-fifth St., n s, 160′ w Fourth Ave., three-st'y brick stable, tin roof; cost, $15,000; owners, Gugenheimer & Untenmeyer, 16 East Eighty-first St. and 9 East Ninety-second St.; architects, Walgrove & Israels, 99 Nassau St.

STORES.

Brooklyn, N. Y. — *De Kalb Ave.*, s s, 50′ w Walworth St., 3 two-st'y brick stores for merchandise, gravel roofs; cost, $5,000; owner, George H. Warren, 540 Fifth Ave., New York City; architect, John R. Hinchman, 7 Court Square.

New York, N. Y. — *Washington St.*, e s, bet. Cedar and Liberty Sts., store, gravel roof; cost, $100,000; owner, John Pettit, 94 Nassau St.; architect, James M. Farnsworth Temple Court.

Somerville, Mass. — *Union Square*, frame store, 33′ x 67′; owner, Fulton O'Brion.

BUILDING INTELLIGENCE.

TENEMENT-HOUSES.

Chicopee, Mass. — C. C. Abbey, tenement, cor. Union and Water sts.; cost, $5,000.

Holyoke, Mass. — Charles Greaney, brick tenement block, four stories, brownstone trimmings, Hampden and Walnut Sts.

Dabold Hagy, tenement, Brown Tract; cost, $2,800; architect, G. B. P. Alderman; builder, J. St. John.

WAREHOUSES.

Holyoke, Mass. — Prentiss, Brooks & Co., warehouse.

MISCELLANEOUS.

Boston, Mass. — *Dudley St., No.* 191, Ward 21, two-st'y mechanical building, pitch roof, 25′ x 50′; owner, T. Boalman; builder, W. C. Greenlock.

Washington St., No. 776, cor. Bennett St., Ward 12, six-st'y brick mercantile building, flat roof, 43′ x 110′; owner, R. Sherburne; builders, Richardson & Young.

Chauncey St., No. 70, Ward 10, five-st'y brick mercantile building, 24′ x 86.4′.; owner, J. W. Marshall; builders, Emery & Stuart.

Malden St., near Harrison Ave., Ward 17, one-st'y brick storage, flat roof, 18′ x 50′; owners, Bates & Co.; builder, J. G. Scott.

Austin St., rear, at Prison Point Bridge, one-st'y brick engine-house, flat roof, for Fitchburg R. R. Co.; builder, E. K. Turner.

New York, N. Y. — *Twenty-first St.*, s s, 250′ 8″ w Ninth Ave., 2 four-st'y brick dormitories, peak slate and tin roof; cost, $36,000; owner, General Theological Seminary, Ninth Ave. and Twenty-first St.; architect, Charles C. Haight, 111 Broadway.

PROPOSALS.

COURT-HOUSE. [At Brockton, Mass.]

OFFICE OF J. WILLIAMS BEAL, ARCHITECT, 68 MASON BUILDING, BOSTON, MASS.

Estimates will be received at the office of the Plymouth County Commissioners in Plymouth, Mass., **up to noon, Monday, October 13,** for the construction of the new Court-house in Brockton.

All bids to be addressed to the Plymouth County Commissioners, accompanied by certified check for $500, to be sealed and endorsed "Proposal for New Court-house."

The Commissioners reserve the right to reject any or all proposals.

Plans may be seen at the above office on and after September 28.

Per order of Board of Commissioners.

JEDEDIAH DWELLEY, WM. RANKIN, WALTER H. FAUNCE, } Commissioners.

J. WILLIAMS BEAL, Architect. 770

September 29, 1890. 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 October, 1890, for furnishing all labor and materials required for the erection and completion of the United States Post-office building at Kalamazoo, Mich., except heating apparatus, in accordance with the drawings and specifications, 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 $500. 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 Erection and Completion of the United States Post-

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PROPOSALS.

office at Kalamazoo, Mich.," to be delivered at or before 2 o'clock P. M. on the 16th day of October, 1890, and addressed to JAS. H. WINDRIM, Supervising Architect. 771

ALMSHOUSE. [At Cranston, R. I.]

Sealed proposals will be received by the Committee on Buildings and Repairs of the Board of State Charities and Corrections for building the male wing of the new State Almshouse at the State institutions, Cranston, R. I., **until 12 M., September 30, 1890.**

The plans and specifications for the work can be seen at the office of Stone, Carpenter & Willson, architects, 65 Westminster Street, Providence, R. I.

The Committee will receive bids for the masonwork, carpenter-work, steam-heating, plumbing and gas-piping in one bid or in separate bids, and reserve the right to reject any or all bids, as they may deem for the best interests of the State.

Per order of the Committee on Buildings and Repairs.

STONE, CARPENTER & WILLSON,
770 Architects.

September 15, 1890. 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 7th day of October, 1890, for furnishing and setting in place complete the iron beams, etc., required for the first floor of the United States Custom-house and Post-office building at Eastport, Me., in accordance with the drawing 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 $100. 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 Iron Beams, etc., of First Floor of the United States Custom-house and Post-office at Eastport, Me.," and addressed to JAS. H. WINDRIM, Supervising Architect. 770

September 17, 1890. 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 October, 1890, for all the labor and material and fixing in place complete the low-pressure, steam-heating and ventilating apparatus for the United States Court-house, Post-office, etc., building at Williamsport, 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 Williamsport, Pa. Each bid must be accompanied by a certified check for $100. The Department will reject all bids received after the time herein stated for the opening of the same; also, bids which do not comply strictly with all the requirements of this invitation. Proposals must be enclosed in an envelope sealed and marked "Proposal for the Low-pressure, Steam-heating and Ventilating Apparatus, etc., for the United States Court-house, Post-office, etc., building at Williamsport, Pa.," and addressed to JAS. H. WINDRIM, Supervising Architect. 771

PROPOSALS.

September 11, 1890. 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 October, 1890, for all the labor and materials required for furring, lathing, plastering, floor-arches and concrete floors for the United States Post-office, etc., building at Dayton, Ohio, in accordance with the drawings and specifications, 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 $200. The Department will reject all bids received after the time herein stated for the opening of the same; also, bids which do not comply strictly with all the requirements of this invitation. Proposals must be enclosed in an envelope sealed and marked "Proposal for Furring, Lathing, Plastering, Concrete Floors, etc., at Dayton, Ohio," and addressed to JAS. H. WINDRIM, Supervising Architect. 770

September 12, 1890. 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 October, 1890, for all the labor and material required to furnish and put in place complete the low-pressure, steam-heating and ventilating apparatus, etc., for the United States Court-house and Post-office building at Pittsburgh, Pa., in accordance with the drawings and specifications, copies of which may be had on application at this office or the office of the Superintendent at Pittsburgh, Pa. Each bid must be accompanied by a certified check for $1,000. The Department will reject all bids received after the time herein stated for the opening of the same; also, all bids which do not comply strictly with all requirements of this invitation. Proposals must be enclosed in envelopes sealed and marked "Proposal for a Low-pressure, Steam-heating and Ventilating Apparatus, etc., for the United States Court-house and Post-office building at Pittsburgh, Pa.," and addressed to JAS. H. WINDRIM, Supervising Architect. 770

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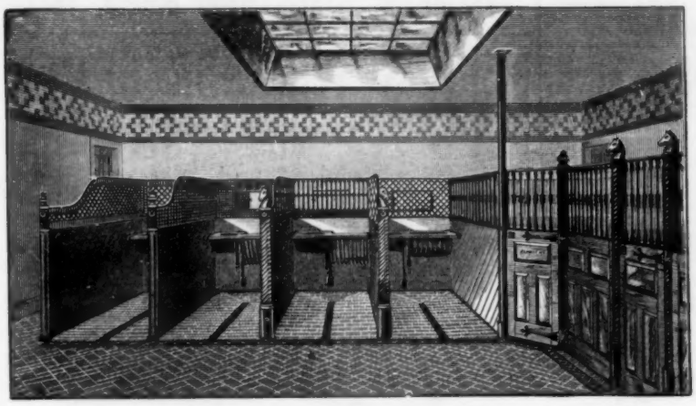

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[*See Alphabetical Index on page VII for Pagination.*]

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

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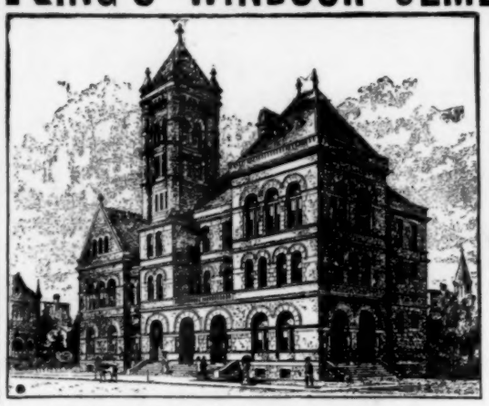

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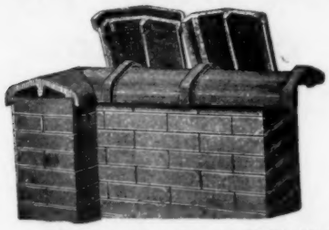

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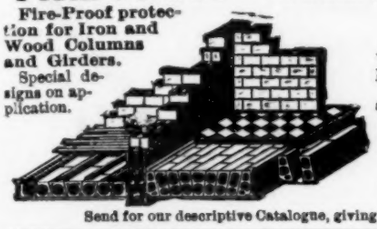

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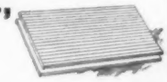

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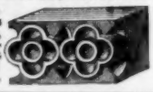

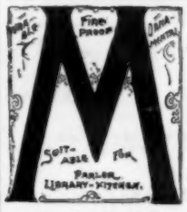

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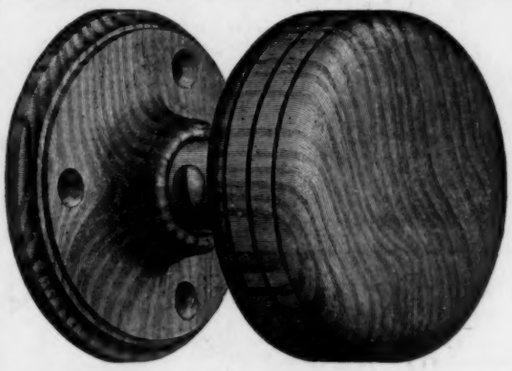

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