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SUMMARY:—

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THE Providence Journal observes that, judging from the statistics of the past seven months, the fire-loss of this year in the United States will exceed that of last year, which was one hundred and fifty-two million dollars. The cost of keeping up fire-departments, and of paying salaries and commissions to insurance officials and agents, is at least as much more, so that we may safely say that this country now spends half a million dollars a day, not counting Sundays, on the national ash-heap. We have before pointed out that the annual cost of American fires was greater than that of supporting the armies of Germany and France combined, but this year we shall have done still better, and the expense of our ash-heap will be greater than the cost of maintaining not only the armies, but the navies, of the two greatest Continental powers. More than this, it appears that the shiftless and foolish waste, on which we lavish annually more money than is required to maintain the military power of the two strongest nations in the world, costs us lives as well as treasure. In six years, from 1883 to 1888, nearly three thousand persons lost their lives by fire in the United States. The average number has probably increased since then, but no subsequent statistics have been prepared, so that the present rate is not known. However, even at five hundred violent deaths a year, it costs us more lives to hold at bay the fire-fiend whom we so recklessly invite than it does Russia to conquer Central Asia. There is some comfort in finding that, so far as sacrifice of life by fire is concerned, Great Britain surpasses us. In England and Wales, the average annual number of persons who meet death from fire is, we are told, fifteen hundred. It may be observed that this statement rests on the authority of the Providence Journal, but, whether we accept it as accurate or not, it may be taken for granted that the loss of life as well as property, both here and in Great Britain, is much larger than it should be. The remedy is very simple. If all houses were made so that they could not burn, persons and property in them would be nearly safe, and could be made entirely so by suitable subdivision of the space in them. To make houses that will not burn, incombustible materials, and only such materials, must be used, and there is no reason why the use of combustible, and therefore dangerous, building materials should be permitted in any country. It is true that a house of iron and brick is expensive, but the proper remedy for this is to find means of reducing the cost of the iron and brick, not to abandon them and use wood. There is no reason why iron beams, suitable for dwelling-houses, should not be sold in all our large cities for a cent a pound; and bricks can be sold at a profit for three dollars a thousand, where they are made under modern conditions of economy. At these prices, the difference in cost

between a fireproof building and a wooden tinder-box is not very great, and the details of incombustible construction are being rapidly cheapened and simplified by our architects, so that, with a little legislative help, we might hope to see, even before the end of the century, the definitive abandonment of wood as a material of construction in American cities.

LE GENIE CIVIL makes some sensible remarks about the "summer exodus," as it is called here, which takes the well-to-do inhabitants of the cities for a shorter or longer time into the country during the hot season. Where the city family can spend its vacation far out in the country, among mountains and green fields, or in some unfashionable and lonely spot on the seashore, it will be the better for the change; but to great numbers of city people, instead of rest and fresh air, their holiday, spent in a crowded summer-resort, brings nothing but discomfort and fatigue, with the added evil effects, in most cases, of bad air, bad water and bad food. To all these things people expose themselves at the most dangerous season of the year, when the vital forces are reduced by the summer heat, and, to make matters worse, the pleasant excitement of change of scene, with, often, a polite reluctance to complain, makes people overlook warning symptoms which would justly alarm them at home. The consequence is that hundreds, perhaps thousands of families, every year pay the penalty of their summer's exposure to unwholesome influences in the severe illness, if not the death, of one or more of their members. To avoid such consequences, those who propose to spend a part of the hot season away from home should bear constantly in mind certain principles of hygiene. In the first place, if the resources of the family do not permit them to spend their vacation in comfort, with as good rooms and good food as they would have at home, they had much better not go away at all. A house or apartment, even in the hot city, with plenty of pure water for drinking and bathing, is safer than the wretched accommodations of crowded seashore resorts. If the necessary time and money can be spared, it is best to go far away from the city, entirely out of the reach of crowds and microbes. There are plenty of places, unfashionable and almost unknown, where the air and water are pure, and comfort and elbow-room can be had at a reasonable price. These are the places in which tired city people can rest and refresh body and mind, and, although they cannot always be found without some trouble, this trouble must be taken, if necessary, rather than risk the lives of a family in the usual summer-resort.

ANOTHER precaution which should not be overlooked is to acclimate the body gradually to the change of climate and surroundings involved in the summer outing. A man, or, still more, a young person, arriving in the country pale and feeble from overwork or nervous exhaustion, starts at daybreak the next morning, perhaps, for a trout-fishing trip. His circulation is weak from want of exercise, and he is therefore easily chilled, and his digestion is more or less disordered from the same cause. He has one or two hearty companions, and, in imitation of them, wades all day in a mountain torrent, eats an enormous lunch of cold doughnuts, and returns, chilled to the marrow by the night air. The next day he is on the sick list, and remains there until his return to town, fortunate if he recovers then, while, if he had been sensible enough to devote four or five days to accustoming himself gradually to the change of regimen, he might have received lasting benefit from his vacation.

THE Werkmeister Zeitung gives some suggestions, from a discourse of Dr. Otto Schluter before the Master Mechanics' Association of Stettin, in regard to the treatment of slight wounds, such as carpenters and other workmen are very subject to. The first direction is to observe the course of nature in treating wounds, and follow with discretion the suggestions to be derived from so doing. It will be noticed that a superficial cut or scratch is accompanied with pain, which induces the injured person to withdraw the part affected from the source of the pain, and thus avoid further damage, and the continuance of the pain leads him to bandage or otherwise care for the distressed member, in such a way as to preserve it from

cold and infection. It will next be observed that the wound bleeds, more or less profusely, according to the amount of injury done to the veins and arteries. The effect of this bleeding, Dr. Schluter informs us, is to wash the wound, and, by means of the outward stream of blood, to prevent injurious germs from effecting an entrance into the circulation. In pursuance of these indications, then, the first thing to be done in case of injury is to wash the wound carefully, after which the limb should be protected by clean bandages, and kept warm and quiet until the process of healing is well advanced. If the injury is not very serious, and the wound has been successfully washed, it will, unless it receives infection from the bandage, begin at once to heal by what the doctors of the last generation used to call the "first intention," the tissues being repaired without important inflammation. If, however, one or more of the microbes of corruption, which are always floating in the air, succeed in effecting a lodgement on the freshly-injured tissue, they will set up a change in the fluids surrounding them, which may have serious consequences, and always delays greatly the cure of the wound. The evidence that infection of this sort has been received is to be found in the swelling and heating of the parts about the wound, which, as the saying is, become "inflamed." The local inflammation is accompanied with more or less general fever, and the injury finally "suppurates," forming a whitish liquid, which, if the course of the cure is favorable, is set free, or absorbed, and the wound at last heals, by the formation of new tissues underneath the portion destroyed by suppuration. The whitish fluid formed during the process of suppuration is, however, of a corrosive and poisonous character, and unless it can escape freely, it will "burrow," as the surgeons say, among the softer tissues, in such a way as sometimes to cause great injury. Dr. Schluter observes that the skin on the hands of workmen is usually hard and impenetrable, so that the secretion from an inflamed wound cannot easily escape. Under these circumstances, it corrodes its way through the muscles underneath, generally toward the joints, where the tissues are softer than elsewhere, and causes permanent distortion and stiffening there.

THESE things being so, it is obviously of great importance to prevent the germs of infection from reaching the wound, so that inflammation, with all its serious consequences, may be avoided. In hospitals, where severe operations are performed, the risk from this source is very great, and not only is every precaution taken to have the wound carefully washed, and the bandages and operating instruments absolutely clean, but the air surrounding the patient is often kept clear of microbes by a spray of carbolic-acid solution, which destroys the germs which come under its influence. On a smaller scale, it is often advantageous to wash a wound with a weak solution of carbolic acid, containing not over two per cent of acid. Even at this strength, however, carbolic acid is occasionally injurious, and in some hospitals a weak solution of cooking-salt is used instead, while in Vienna, according to Dr. Schluter, a solution of acetate of alumina, of moderate strength, is often employed. If either acetate of alumina, or cooking-salt is used, the solution should be boiled, to destroy the germs present in the water. Bandages must be perfectly clean, and it is advantageous to put on first a soft linen bandage, then a piece of oiled-silk or parchment-paper, and a second bandage on top. The parchment-paper, or other waterproof material, keeps in the moisture of the inner bandage, and prevents it from drying and sticking to the wound. The inner bandage should be renewed, always with the same precautions, twice a day, and if this is carefully done, and the wound has received no previous infection, the process of healing is likely to go on well.

APPARENTLY, the most skilful chemists, as well as the ablest physicians of the universe are the microbes. Pasteur has shown us that benevolent, or, as the *Lancet* would have it, well-trained microbes have the power of defending us from the most terrible infectious diseases, and the Massachusetts Board of Health has obtained photographs from life of the microbe which can do what no human chemist has ever done, that is, oxidize ammonia into nitric acid. Very recently, another microbe has been discovered, who also practises chemistry, his special branch being the formation of citric acid from glucose. It is not many years since one

of the stock wonders of chemistry was the conversion of starch, potatoes and similar substances into uncrystallizable sugar, or glucose, by the action of sulphuric acid, but this tiny organism, which shows itself in a green, felt-like skin over the surface of the liquid undergoing its action, converts glucose itself into pure citric acid, carbonic acid being disengaged. We have thus, by making friends with the "citromycetes," as their discoverer, M. Charles Wehmer, calls them, the means of extracting both lemon juice and sugar from potatoes, corn and many other cheap vegetable substances. This discovery may have a possible practical value to shipmasters on whaling or other long voyages whose supplies of scurvy-preventing lime-juice may have given out or been accidentally destroyed.

A CERTAIN experimenter has been trying the comparative effect of various sorts of decoration upon the lighting of rooms. Taking a room hung with black cloth, he illuminated it with one hundred candles, and then counted the number of candles necessary to bring rooms decorated in other ways to the same degree of illumination. He found in this way that a room with a dark brown paper required eighty-seven candles to make it as light as the black cloth one with a hundred; a room with blue paper took seventy-two candles, and one with a pale yellow paper required sixty. A room lined with panel-work, either in natural wood, or in white paint, needed fifty candles; one with dirty panelling required eighty, and a room with plain, whitewashed walls took only fifteen.

A CASE was decided in France the other day, which has a considerable interest for railway travellers. The plaintiff took a train at Asnières for Paris. The train, according to the official time-table, should have left Asnières at 8.12, and was due in Paris at 8.20. In fact, it did not arrive in Paris until 8.53, a delay of thirty-three minutes. The plaintiff, in order to meet an important business engagement, was obliged to hire a carriage at the Paris station, and pay two francs for the conveyance to his destination; and he subsequently brought suit against the railway company, to recover these two francs, and five hundred more, which he claimed as general damages. The company resisted the claim, on the ground that, although it acknowledged the delay to be due to the fault of its servants, the plaintiff had not proved any real damage, and that, even if the damage claimed had been proved, the company would not be responsible, inasmuch as it had not been previously notified that it would incur the risk of extraordinary damages if it transported the plaintiff. The court held, in regard to the claim for two francs carriage-hire, that this was a just demand on the part of the plaintiff, and that the company must pay it. The claim of five hundred francs, however, it could find no ground for allowing. As the defendant company would have to pay the expenses of the suit, the plaintiff would not need the money for this purpose, and he had not shown any other damage requiring such indemnity. It therefore rejected this claim, allowing the plaintiff only his two francs, but condemning the company to pay all costs and expenses.

IT is unusually noticeable this year that a considerable number of the most prominent students of architecture in the Paris School of Fine-Arts bear surnames already distinguished in the profession. Thus, among the ten "logistes," or competitors for the Prize of Rome of this year, no less than three, MM. Deperthes, Varcollier and Letrosne, appear as pupils of architects of the same name, well-known to fame, and there are many other examples in the lists of the winners of the school "recompenses." Undoubtedly, this indicates that it is common in France for the sons of architects, particularly of the more noted ones, to adopt their fathers' profession, as it is also in England, where the younger Barry, Scott, Street, Waterhouse, Blomfield and others pursue with signal success the family calling. Although there are many exceptions, it is still almost the rule that it takes at least two generations of training to develop a great artist. Nothing is more common than to read, in the "*Lives of the Painters*," that the subject of any particular biography was the son of another artist; and the greatest musicians have generally been brought up from childhood in a musical atmosphere. Whether this inherited inclination is of so much value in an abstract art like architecture as in music and painting remains to be seen, but there seems to be no reason why it should not be.

APSES.¹—II.

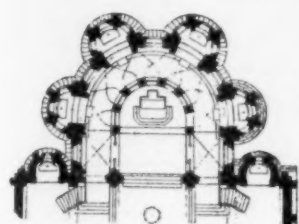


Fig. 15. Plan of the Apse of the Church of Orcival (Puy-de-Dôme.)

and the planning of the radiating chapels. Even in the Romanesque era, this system, although less developed, furnishes a very interesting subject for investigation, as will appear from a study of the plan of the church of Orcival (Puy-de-Dôme, see Fig. 15). The illustration shows the projection of the groined vaults, and indicates the difficulty to be overcome in establishing them, on account of the difference in the spacings, which vary with the position of the choir columns and the opening of the apsidal chapels. Builders succeeded in surmounting these obstacles only after numerous attempts, which the student will find it profitable to follow by comparing the divers constructions of the time; notwithstanding some imperfections of details—notably in the summers—which were skilfully corrected later, the artistic merits and impressive effect of these Romanesque apses cannot be gainsaid; several of them are very remarkable, particularly that of the church of Issoire (Puy-de-Dôme, see Fig. 16). By the aid of this exterior view we can readily reproduce the plan disposition, which is strikingly like that of the Orcival church; we must, nevertheless, take into account this difference: at the centre of the apse at Issoire there is a rectangular chapel. In our illustration, one is struck with the frank and ingenious way in which all the divisions of the general composition are marked on the outside: in the centre rises the choir, of circular form; the deambulatory is designated by the apertures between the radiating chapels, by which it is directly lighted; each chapel stands out by itself and supports its independent roof, above which, to admit of its upward development, rises a gable, the prolongation of which penetrates the roofing of the circular side-aisle; lastly, in the rear of the rounded part of the choir, appears the gable separating the latter from the straight part, and the whole abuts against the wall of the tran-



Fig. 16. Apse of the Church of Issoire.

sept, which is flanked at its base by other apsidal chapels, and which is surmounted by a polygonal tower. Surely, it would

¹ From the French of A. de Baudot, in Planat's *Encyclopédie de l'Architecture et de la Construction*. Continued from No. 925, page 165.

be difficult to unite so many different elements with more apparent order and with a better general effect; the conception, which is by no means unique in Romanesque architecture, is therefore full of instruction for the architect, and a fertile subject for his study.

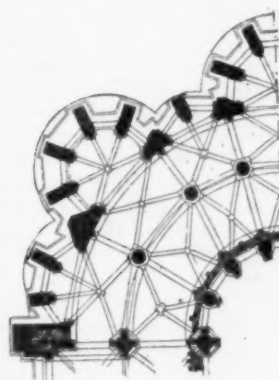


Fig. 17. Plan of the Apse of the Cathedral of Chartres.

In the thirteenth century, the deambulatory was almost universally introduced into churches with any pretensions to importance; but in Burgundy particularly, notably in the Cathedral of Sens, a single chapel was disposed in the axis of the church. Afterwards, radiating chapels were ranged quite around the apse, or a certain space was left between them, as at the Cathedral of Le Mans, where the chapels were carried out a great distance; because of this depth, which brought the light far from the deambulatory, openings were contrived in the wall of the latter between the chapels; at Chartres (Fig. 17), where the encircling side-aisle is double, the chapels are farther apart and the windows of the deambulatory are not in the wall itself, but in a small, scarcely projecting apse; light is therefore very abundant in this choir. The constructors of the thirteenth century were not slow in finding a solution which provided for the free admission of light, and at the same time made it possible to have numerous chapels corresponding to the division by bays of the deambulatory, as well as to those of the choir openings.

Given the disposition henceforth adopted without exception

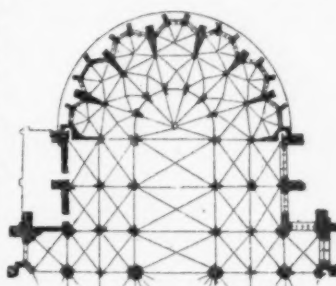


Fig. 18. Plan of the Apse of the Cathedral of Beauvais.

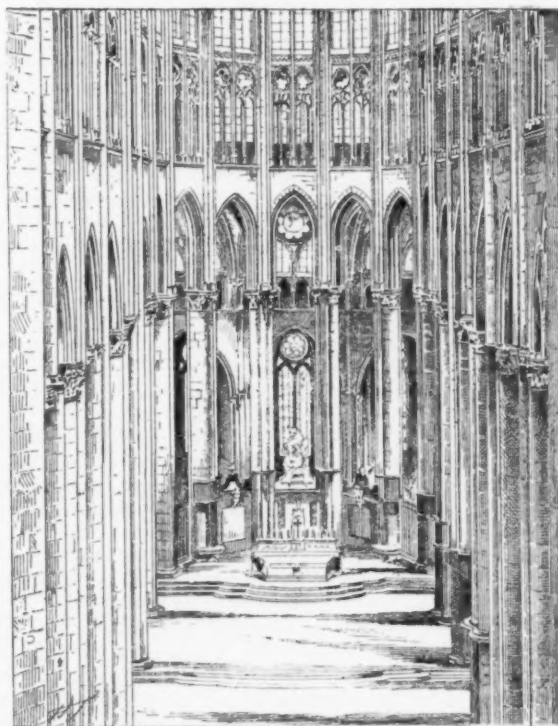


Fig. 19. Apse of the Cathedral of Beauvais.

— large bays surrounded by stone windows designed for glass — and the original circular form of the choir had to be abandoned. As it was impossible to establish such windows on

curved surfaces, recourse was had to polygonal plans for terminating the central aisles at right angles to the choir, and thereafter the general disposition of deambulatories and radiating chapels was materially modified in favor of that form of vaulting the summers of which could be very frankly traced and constructed; moreover, the use of projecting groin-ribs, which constitute the ogival vault, singularly aided in the solution, and, on the other hand, brought great relief by the creation of these remarkable compositions of apses. The example given in Figure 18 reproduces the plan of the choir of the Cathedral of Beauvais; like that in the Cathedral of Cologne, which it strongly resembles, it may be considered as the highest conception to which ogival art could attain in this respect. No more hesitation, no more groping; the trace is perfect at every point; the harmony between the various parts of the apse is complete. The wondrous merit of the choir of Beauvais, which soars to a height of more than forty-five metres beneath the key of the vault, is not, however, limited to the remarkable disposition of the plan. This very rational construction is the logical outgrowth of the principles laid down and developed with so much art by Gothic architects, and it would be impossible to advance farther in the path of boldness.



Fig. 20. Apsé of St. Peter's, at Caen.

This vast choir, which awes the beholder without inspiring the slightest timidity, has stood for centuries, and it bears to-day the guaranty of a long existence in the future: it is true that in the fourteenth century, or shortly after its construction, it had to be slightly modified by the insertion of piers, dividing into two sections each of the right-hand bays of the choir; this addition, which was so adroitly accomplished that it escapes the eye of every one but an architect, was necessary on account of the character of the soil, and because of some imperfections in the execution of the work, which was greatly hurried; but all this does not affect the merits of the conception, which, had it been realized under more favorable conditions, would have been absolutely irreproachable. The aspect of the edifice is most impressive; this is due not only to the unusual height of the choir, but more especially to the disposition sought in the superimposition of the chapels: there are four open stories, the effect of which obtained from the entrance to the choir is marvellous; the reader will be able to form an idea of it from the interior view shown in Figure 19. The apsidal disposi-

tions of the Middle Ages were preserved in the large churches that were reared during the early Renaissance, and which were quite rare. We must cite especially, as examples of these, Saint Eustache, at Paris, and, as a most interesting apse, that of St. Peter's, at Caen (Fig. 20); this latter is engrafted upon a Gothic church. From the exterior view given here, it is easy to account for the arrangement of the choir and chapels, all traced on a polygonal plan; the radiating chapels are five in number, the central one of which — dedicated, according to an old custom, to the Virgin — is more important than the others simply in its height. This apse, as is readily seen, is an accurate copy in the general plan of mediæval dispositions; the only variation is in the details, and is due to the introduction of the Classic element; yet we discover in the scale of the details and in certain of the forms the entire decorative tradition of French art. In view of the mixture of these two elements, this architectonic composition is of extraordinary value, marking, as it does, the transitional period in a most striking and withal a most interesting manner.

Later, under Louis XIV and Louis XV, a number of churches were erected whose plans were French in their great lines, and in which the influence of the mediæval apse is apparent, as in Saint-Sulpice and the Cathedral of Versailles; but these heavy monuments are devoid of interest as regards constructional method; the vaults have become unnecessarily massive, and those of the deambulatories are nothing more than semicircular barrel-vaults, on which the openings of the chapels are accused in penetrations having a monotonous, commonplace and graceless effect. These edifices, consequently, do not offer a very important subject of study for the architect, although they are sumptuously treated, and sometimes exhibit much talent; they are of interest to us from the place which they occupy in the history of art, but they furnish only a false and feeble interpretation of a period, neither the spirit nor the grandeur of which was understood by their authors.

A. DE BAUDOT.

LIBRARY BUILDINGS.¹

FELLOW ARCHITECTS AND GENTLEMEN:—

In endeavoring to reach the solution of a problem, its premises must be well understood. This obtains more especially in architectural art on account of the great scope and complexity and resources of that art. As all branches of this art spring from the needs of mankind, the first consideration of design must be that of utility.

Viollet-le-Duc, the great architect and archaeologist, says:

"A design, although possessed of artistic merit, may be utterly worthless if there should be wanting the elements of utility and stability."

Mitford says:

"To be good, architecture must be true—true according to the programme of requirements and true according to the methods of construction. To be true according to the programme, is to fulfil with scrupulous exactness all the conditions imposed by necessity; to be true according to the methods and means of construction is to employ materials with due regard for their qualities and capacities. That which is generally regarded as a matter of pure art, viz, symmetry, the apparent form, this is quite a secondary consideration." The design should be the result of ideas evolved from the purpose, method of construction, the nature of the materials employed, and æsthetic reasoning.

Among the most difficult problems an architect can undertake to solve is that of planning a building for library purposes. A library building, like all other structures, is built with reference to certain primary conditions, such as climate, locality, surroundings, directions of the compass, capacity, special use, cost, nature and accessibility of building material.

Therefore, to accept any one plan, whether tested by trial and approved by experience, or still on probation, as an infallible model for imitation under all circumstances, would obviously be a grave error, because there are no two library structures of equal requirement, and each one is erected and equipped under varying and often peculiar conditions and influences.

To imitate specific features of interior arrangements, which have been found acceptable under a contemplated programme, is not only unobjectionable, but sometimes greatly to be desired, because it is impossible to devise for every library new, distinctly different and practical features.

It may not be amiss here to state, by way of digression, as illustrating the point in hand, that one of my principal motives in making a foreign tour for the inspection of the library buildings of the Old World was to see what had been the nature and purport of modern improvements and innovations in library construction. The spirit,

¹ A paper by Mr. J. L. Smithmeyer, F. A. I. A., prepared for the Annual Convention A. I. A., but read at the World's Congress of Architects.

if not the letter, of the law providing for the erection of the Congressional Library at the National Capital, made it incumbent upon me to familiarize myself with the exterior appearance, as well as the internal arrangement, of all notable library structures—to adopt what was good and meritorious and to avoid what was baleful and uncongenial to a more advanced stage of civilization.

The early history of the birth of the library buildings of Europe is not without a special interest, as tending to show how crude was the attempt to inaugurate and bring into popular notice and favor those institutions which have developed from rude beginnings into structures of great architectural beauty, and are the reservoirs and attractive receptacles of commanding intellectual treasures. A large proportion of the great library buildings of Europe were donations of high ecclesiastics, cardinals, bishops, or from kings and nobles of the various States. They were originally their residences and were simply adjusted to their new purposes. Their claim to the consideration of the architect is therefore limited. These buildings, together with the various structures, which were originally built as libraries in the past and in different parts of the Old World, were mostly erected under various (sometimes adverse) circumstances, and in periods gone by which, intellectually and otherwise, vastly differed from each other and from ours. They, therefore, did not bear much resemblance to each other, either in interior arrangement, or exterior design. The contingencies of wars and other great disasters, the want of easy intercourse between nations, together with existing prejudices and superstition, of which the Old World had her share, have greatly added to this diversity. For that reason much good can be obtained by the study of the various (and sometimes novel) devices and characteristics of the individual libraries in way of avoidance as well as in way of adoption.

The variety of these individual devices and characteristics induce the architect to systematize and classify them, and hence we find them divided into three distinct systems and many variations, each of which possesses merit according to the requirements of the case. They are as follows:

1. *Shelf System.*—Well adapted to private and small public libraries (no separate reading-room).
2. *Alcove System.*—Well adapted to public libraries of large size and rapid increase (with or without separate reading-room).
3. *Stack System.*—Well adapted to libraries which have separate book-repositories or magazines and separate reading-rooms.

The dimensions of the *shelves*, *alcoves* or *stacks* depend upon a variety of conditions, but under no circumstances should the book stories be more than eight (8) feet high, and not more than ten (10) books to be allowed for one foot of book-shelf.

Reverting to our proposition that the imitation of specific features of interior arrangement is sometimes greatly to be desired, it ought to be borne in mind that under no circumstances should there be a modification of or departure from the necessities of a contemplated programme without due reference and deference to *light*, *comfort* and the *protection* of the books. It is further to be considered that a system of interior arrangements, however commendable in the matter of a private library, may be anything but advantageous for a circulating or college library. So will a system for a parliamentary library be ill-suited to a private collection, and it is certain beyond argument that no system now existing would meet the requirements of the Congressional Library of the United States, now in progress of construction at the National Capital.

It would be useless, if not idle, here to discuss the arrangement of the libraries most renowned, and compare their merits and defects with the requirements of this library, as none, either in the Old or New World, in the past or present, required such a multiplicity of provisions and multifarious arrangements as the Congressional Library at Washington, D. C.

This is partly due to a law of Congress requiring all authors and publishers in the land to deposit two copies of every publication in this library, partly to the rapidly-accumulating articles of the graphic art in the copyright branch in this institution, partly to donations from individuals of large collections, and partly to exchanges, foreign and American; also to the growing documentary stores received from all the States of the Union and from foreign governments, and to the growth from annual purchases of books. It is further due to the great augmentation of periodicals, pamphlets, newspapers, magazines, maps, charts, engravings, color-prints, music, etc., making it really more of a museum of literature, science and art than, strictly speaking, an aggregation of valuable books.

There was necessity for ample provision for the multitude of curiosity-seekers and visitors to all parts of the Library, as well as for the ease, quiet and comfort of the readers and students, and this quietude and comfort was not to be impaired or in any way disturbed.

Ingress on the part of the general public to certain rooms devoted to study is expressly forbidden, but all the other apartments and reading-rooms are free to the passing and re-passing throngs. The grand reading-room may be overlooked from a gallery which is so elevated as to prevent the possibility of annoyance to those below, yet affording to visitors a complete view of their readers and their every environment.

There was necessity also for rooms and apartments for that eminent librarian, Hon. A. R. Spofford, and his host of assistants. Special rooms also had to be provided for those exclusively inter-

ested in the domain of science, not forgetting necessary space of commanding importance for the packing, distributing, collating, bibliographing, cataloguing and binding of books.

An attempt to limit the entrance of the American public to the reading-rooms and a few other rooms, wherein the articles of the graphic art are exhibited, to refuse them familiarity with the colossal array of information which the human mind has accumulated and still gathers together in the way of literature, science and art, or to deny them a full insight into the enormous machinery for access to, and the utilization of every part of these intellectual riches, would be regarded, not only as hostile to democratic teachings and the genius of our free institutions (which lay open to the general public every department of the Government buildings, the Capitol and even the home of the Chief Executive) but would be considered disagreeable to and at war with the spirit of the age.

Wide passages and corridors affording the fullest view of all these library treasures are, therefore, everywhere necessary and in every part of the building, and the arrangement of the books is so ordered as to afford absolute protection against theft or injury to them.

It is a noteworthy fact and ought to have place here that all librarians and architects, who have made the study of libraries a specialty, fully approve the locating of the reading-room as near the centre of the structure as possible. The alcove arrangement for the storing of books is universally regarded as the most to be desired, where space and means permit its use and where the method of heating and ventilating is so arranged as to prevent the accumulation of heat in the upper stories of the book-repositories, so detrimental to the preservation of books. By means of the alcove system, the capacity of a library (within its walls) can be more than doubled, if necessary, a feature highly prized in modern libraries with their steady and rapid increase. One of the greatest annoyances experienced by all librarians is the periodical enlargements which these structures have to undergo from time to time, to accommodate the accumulating books.

The management of the library is greatly disturbed and its books much injured by the building operations of new annexes. It is therefore advisable to make all the rooms, especially those which are used as repositories for books, *spacious*, and to arrange them in such a way that they will admit of increased shelving capacity without the erection of new annexes—a contingency which should be postponed till as distant a period as possible.

Light.—The subject of light is of equal importance with all other considerations in the construction of a library building. It is a well-known fact that the effect of light in a room depends, not only upon the quantity admitted, but upon the direction of the light, whether taken from near the horizon, or the zenith; also upon the quality of the glass through which the light penetrates, its condition of cleanliness, the number and thickness of the sash-bars, and other elements of obstruction in the window surfaces, as well as upon various other minor conditions in and outside of the rooms. In order to obtain the best results, light should be obtained from as many openings as circumstances will permit. The more diffused the light becomes in a reading-room, the more agreeable it will be to readers, and the better will be the chances for obtaining good light in every part of the room.

Heating and Ventilation.—What was said about the introduction of light, viz, that it should be obtained from as many openings as circumstances would permit, is equally true of heating. Whether hot air or hot water or steam are used to warm the building is of less import than that either one of them should be connected with a system of ventilation and made inseparable from it. One of the results of experiments and investigations of the laws of hygiene has been the substitution of a newer system of ventilation embodying the advanced principles of hygiene in diametric opposition to the old method.

This system is called the "vacuum" or "down-draught" system, and consists in exhausting (i. e. withdrawing) the vitiated air—by means of fans or fires—through openings near or in the floor and allowing the entrance of fresh air through corresponding openings near or through the ceiling. By this method the fresh air, as it enters, distributes itself horizontally and equally, over the room and descends in the ratio in which it is exhausted beneath—from the lower part of the room. In its slow, equal and constant downward movement (not exceeding two cubic feet per second) every space and crevice is filled with fresh air, rendering it impossible for any foul air to remain and be re-inhaled by the occupants, or for any dust particles to rise and settle on the books; and since its downward movement extends slowly and over the entire horizontal cross-section, all draughts are avoided.

The humidity of the incoming air in hot and dry weather and its temperature in summer and winter can be momentarily adjusted and regulated before it enters the room, but the quantity of the incoming fresh air is always the same.

The cardinal features of this system—of great value to library buildings—consists in the simultaneousness of the removal of the impure and the introduction of the pure air, in preventing the dust particles from rising and settling on the books, and in controlling the temperature and the humidity of the incoming air.

Fireproof and Damp-proof.—Another point of vast importance in the construction of a library which deserves all the consideration that can be bestowed upon it is the security of the building and its

treasures against destruction from fire or dampness, which are among the most formidable enemies to library buildings and their valuable contents. The destruction of books, etc., by dampness is only a slower process than that engendered by fire, but it is equally as effective and sure. All materials which enter into the construction and equipment of a library building should, therefore, be absolutely non-combustible, so far as possible to counteract the effect of dampness. The various repositories in large library structures should be completely isolated from each other, and the book-shelves so divided by non-combustible partitions, at proper distances, so that each division is protected against the other in case of fire.

Dampness in the present acceptance of the term, refers to the stealthy approach and incursion of the noxious moisture of a gaseous and deleterious nature which emerges from the soil beneath and is called "ground air." This damp atmosphere dissolves the glue in the paper and bindings of the books, discolors, mildews and ultimately decomposes them as well as all old parchments, engravings, etc., and in the end permeates the materials of which the building is composed and prematurely destroys them. This moisture enters all buildings, the temperature of which is higher or the walls of which are dryer than the soil underneath, and many avoidable epidemic diseases are thus engendered. Wherever water does not stand as "ground water," the interstices of the soil are occupied by air, and as the ground water rises, this air is forced up into cellars and basements and becomes, by aspiration, into the warmer and dryer parts above, the air of the structure. The use of cement, asbestos, soap-stone, hollow bricks and other materials of that nature, and a thorough drainage of the ground largely reduce the detrimental effects of this moisture, but do not fully obviate them.

By means of a simple and inexpensive contrivance and the use of the same force which brings this ground air from the depths of the ground into our abodes, (according to the laws of nature) we can divert its movement and make it follow the suction created by air-ducts built in the walls for that purpose, which extends from the surface of the ground inside of the structure to the top of this building; thus this moist air will be carried off through these ducts and the walls likewise protected. Of course the cellar, or basement floor, must not rest on the ground, but be placed a few feet above the soil, thus forming an air-chamber, as it were, into which this ground air is sucked by the warmth of the building above and from whence it is carried off through the air-ducts and expelled.

There is another sanitary advantage gained by the introduction of this chamber. It will afford the desired opportunity and convenience of hanging all plumbing pipes, etc., to the ceiling of this air-chamber, and thereby provide a chance to discover and repair leakages. This contrivance is inexpensive and works automatically.

The design of a library building implies a due consideration of the constructive necessities and of propriety of materials coupled with analytical investigation of the conditions imposed by the programme and of the methods whereby they can be expressed in a material organism.

Pugin says: "The great test of architectural beauty is the fitness of the design to the purpose for which it is intended, and that the style of the building should so correspond with its use, that the spectator may at once perceive the purpose for which it was created."

It has been my aim to put into compact shape the suggestions of a long experience in the matter of the construction of libraries and other buildings. In the limited time allowed me for this paper, it was impossible for me to do more than cursorily call attention to the mark of progress in all things that pertain to our exalted profession. Where volumes might be written, I have been compelled so to curtail, that this crude paper can only hint at the requirements which an advanced civilization teaches to be necessary to the proper construction of library buildings.

Very respectfully, J. L. SMITHMEYER, F. A. I. A.

ARCHITECTURAL DRAWINGS AT CHICAGO.

AS the criticism of American architecture by an intelligent foreigner is apt to be more entertaining and instructive than that of an equally intelligent native, we believe our readers will be glad to read the following extract from a description of the exhibition of drawings, at Chicago, published in the *Builder*:

The American architectural drawings are placed in the upper galleries of the Fine Art Building, and consist of a somewhat heterogeneous collection of executed work, competition drawings, students' work and photographic details. Although the collection contains many examples of good work, there can be no doubt that, on the whole, the Americans have missed a great opportunity of showing the architects of all nations what they are doing and what they can do in the way of architectural drawing, for the Exhibition cannot be said to be representative of all that is best in American draughtsmanship.

It is, however, a fact which the Americans themselves acknowledge, that show-drawings, as we understand them, are not often prepared, at any rate, to such a large extent as in England, and this is but natural in a country where everything is done in such a hurry and under such pressure as in the States. It has even been said that in the hurry of work buildings have been commenced before the drawings have been completed, and that as for exhibition drawings, the answer would be that a photograph would be taken when

the "job was through." This is, of course, extreme, but it may serve to point out in what direction the fault lies. The first thing which naturally impresses itself on one is the absence of some of the latest large works from the Exhibition. Church work is almost entirely absent, and the works mostly *en evidence* are tall business premises treated on a very large scale with somewhat startling color. Small country houses are plentiful, and illustrate the well-known American school of draughtsmanship which has been introduced of late years into England, and which errs by the introduction of tricks and unnatural effects, but which is always bright, and never overladen or "worked up," as in some of the older styles of draughtsmanship. There is practically no students' work, as we understand the term; that is to say, no sketches or measured-work. The reasons for this are not far to seek, in that there is nothing old or interesting enough to sketch or measure in the States. This fact is also emphasized by American students going to the *École des Beaux-Arts* at Paris, or studying in their own architectural schools, which are founded on it, and we know that out-door sketching and the measurement of old buildings are not a part of that system.

There are, however, in the collection several *projets* executed from the *École* and from private *ateliers* in Paris; these studies show, as usual, the unsuitability of the treatment to the subject in hand, although, from the point-of-view of composition, they may, and doubtless do, answer their purpose.

Mr. L. J. Millet, himself an architect-student of the *École* and Lecturer on Architecture at the Art Institute of Chicago, has had the arrangement of the drawings, and has endeavored to keep those by the same architects in groups, a method which, curiously enough, was adopted simultaneously this year at the Royal Academy, with good results.

Perspective and geometrically shaded drawings seem fairly evenly divided, the perspectives being always employed, as is natural, in the country houses and smaller works, and in some of the bigger works in which color is the medium employed. One finds extreme difficulty in generalizing anything which is American; whether in architecture, painting or sculpture, there seems no standard of general excellence; for instance, you find some drawings executed with a care and freshness which is positively delightful, and on the next screen you are horrified to find a drawing which is characteristic of the very beginner. For this reason, it will be best to make a few notes of the more important contributions.

Mr. Richard M. Hunt's only contribution is a drawing, twelve feet high by three feet wide, of a part of the house for Mr. W. K. Vanderbilt, delicately modelled in the Early French Renaissance style, and which consists of three stories and a roof modelled after the *Château de Blois*, the niches containing statuary, while the angle turrets are elaborately carved.

Messrs. Adler & Sullivan, of Chicago, send pen-drawings of the Union Trust Building at St. Louis, in which the principles advocated by these architects are well exemplified. It is a fifteen-story building on a corner site. Light is obtained on the long side in a way that is becoming characteristic in America, and which has been adopted at the new Women's Temple at Chicago, viz, by recessing the central portion of the façade and thus forming a court, with one side left open to the street, which is, of course, a great improvement on an internal court. The two lower stories are thrown into a basement with semicircular upper windows and predominating horizontal lines, thus binding the lower part of the structure well together; the next ten stories are grouped together between piers connected at the top with semicircular arches, the windows being recessed between these and treated plainly. Above this comes a strong horizontal band, and the next two stories are enclosed under columns supporting a massive projecting cornice, the top story being lighted from the roof. The principle of the design seems right, and it certainly emphasizes the architects' idea that unity is the first great principle of composition, and that every building, whether high or low, should be enclosed within one main idea and should not be a succession of floors piled one above the other without reference to the scheme as a whole. The detail of the great semicircular entrance doorway reminds one somewhat of the intricate sculpture work at the Golden Gate of the Transportation Building by the same architects. The design is rendered in a slightly-finished pen-and-ink perspective.

Near this is a drawing by Mr. Bruce Price, which, as hinted at previously, is a good example of what *not* to do. It is an elevation in water-color of a design for a high building. Mr. Price has taken the Tower of St. Mark's, at Venice, with the marble loggia at the base included, and by the introduction of the windows to each story he has turned it into a modern American "sky-scraper." It is true he is able to get thirty-two stories into his building, but where is the American inventiveness about which we hear so much? Any Yankee notion would be better than this, and it is difficult to understand how such a design could have found a place in the Exhibition.

In the corner bay, hard by, are three large framed drawings by Messrs. Cram, Wentworth & Goodhue, of Boston, which are interesting in many ways. They are drawn to a large size, each being six feet by four feet, and are designs for three churches of some pretensions, of which, as already remarked, there are few in the Exhibition. One of these is executed in monochrome, while two are in pen-and-ink, after the English methods in many respects, but in which a new device, called, "spattering" in the States, has been introduced in the following way: When a large plain wall-surface

occurs in a drawing, which it is desired to cover so as to give it an appearance of texture of stonework, or plaster, or what not, the rest of the drawing is covered up with the exception of the part to receive the tone, and a brush full of ink is then drawn along a comb, sprinkling the drawing to any desired shade, and really giving it a very soft and agreeable effect. It produces somewhat the same effect as light washes in conjunction with pen-work. These churches are more English in composition and treatment than any in the collection, and remind one somewhat of the late John Sedding's work; For example, we notice the same large west window, with its three buttressed divisions, the square towers enriched at top with small spirelets of copper, and the turrets as at Trinity Church, Sloane Square. Whether either of the architects are English, we are unable to say, if not, the influence of the *Builder* plates has found its way to Boston, Mass.

Alongside, Messrs. Lamb & Rich send some large frames. One is a bromide enlargement of a pencil drawing, which comes out very softly, although the lines are somewhat distorted from being enlarged. This is certainly a novel way of getting a large architectural drawing, but the effect is a somewhat blurred one.

In the next bay is a large water-color drawing of the New York State Building at the Fair, by Messrs. McKim, Mead & White. The design is founded very literally on that of the Villa Medici at Rome. The coloring is somewhat overdone, and the blue of the sky not cleverly handled.

No. 3238 is a four-story building, executed in monochrome, by Hughson Hawley, who has executed a number of drawings in the collection, but whose standard varies very much. Close at hand is a small drawing by Messrs. Rossiter & Wright, of New York. It is executed in pencil on gray paper, and is a design for a small country house to be executed in gray stone. The only coloring is that put on the red tile roofs, and brick chimney-stacks which start directly from the stone at the eaves level. The drawing is very quietly treated, and seems to us the right principle to bear in mind for an architectural drawing, especially in view of the tricky innovations of the present day. Almost next to this, and by the same architects, is a perspective and small plan of the Clark Memorial Library on Long Island, treated in pencil on gray-toned paper with slight color indications on walls; the building is small, containing only a library with alcove, reading-room and librarian's room and with museum over large library, and with open-timber roof. A couple of trees crisply put complete the drawing, which is one of the most satisfactory of its kind in the show.

Photographs are admitted, and we wonder how long it will be before that much abused institution, the Royal Academy, will allow this form of representation on the walls of the Architectural Room, a method of portrayal which is at once the most truthful and the most satisfactory of any kind. That of the Madison Square Tower at New York, designed after the famous Giralda at Seville, by Messrs. McKim, Mead & White, of New York, is very satisfactory, as showing the grouping with the surrounding buildings.

Here follow several large Ecole designs by students, in which the plans occupy most of the space, and scores of which might be seen in any French exhibition. A very well thought-out set are, however, sent by Mr. T. F. Turner, a pupil of M. Paul Blondel.

Perhaps the most satisfactory piece of pen-work is the drawing of the new City-hall for Boston, Mass., by E. M. Wheelwright, architect, and which is drawn by Mr. Charles D. Maginnis. The design is apparently founded on Bramante's Cancelleria Palace at Rome; the building being large, and the drawing of it comparatively small, the architectural features have had to be very judiciously put in, so as not to overcrowd the drawing, and Mr. Maginnis has had to adopt a sort of architectural shorthand. There is not a ruled line on the drawing, all the straight cornices naturally occurring in a Renaissance work of this kind being put in by hand; the shadow of the loggia on the top story is effectively put-in, while no cross-hatching appears at all, the difference in tone being obtained by thickness and closeness of line. The shadows from cornices are treated as being produced by sunlight high in the heavens, and almost in front, and are sharply expressed, reminding one somewhat of the method of Mr. Gerald Horsley. The figures and statuary are equally well done. It is such exquisite pieces of work as this, which it would be impossible to improve upon, which make it very difficult to generalize on the collection as a whole.

Mr. Wheelwright also sends his design for a primary school-house at Boston, also executed by Mr. Maginnis. It is a Classical composition, two stories in height, with projecting top cornice, the lower story rusticated, with small, square windows and large doorway at each end, and the upper floor with large, semicircular windows, grouped towards the centre.

In the exhibition are several competition drawings executed for the Cathedral of St. John at New York. We note that by Mr. W. H. Wood, a fly-away pen-and-ink drawing in which lights and shades are contrasted together in an alarming way. No. 3390 is another set, in line, by Mr. R. W. Gibson, an Englishman settled in New York, and which is in every way superior to the last-named. The Americans do not, for the most part, seem capable of designing anything well in the Gothic style, and especially a building of this magnitude, and it seems certain that anything we are to expect from America must come from the new conditions of life which exist there, and which involve new problems for the architect, and not

from anything which has gone before, and which, of necessity, does not commend itself to the American architect.

Messrs. Carrère & Hastings send several large drawings of their magnificent Hôtel Ponce de Léon at St. Augustine, Florida. This hotel is constructed externally of white plaster, with red brick dressings to windows and red Italian tile roofs. The grouping is symmetrical, with towers and open loggia, emphasizing points on the plan, and a bright effect is obtained by the introduction of palm-trees and green shrubs and by the bright-blue Florida sky. The size of this water-color is about twelve feet by six feet, and we are glad to note that a ground-plan almost the same size has been sent and placed over so that the rationale of the design can be followed. In many instances, however, no plan appears with the elevations or perspectives, which is, we suppose, a concession to the vulgar idea of making a pretty picture for the public to gaze at without reference to its real merits as a design.

Large drawings of several high buildings appear. In these, water-color has naturally been the medium selected by the draughtsmen, in view of the large amount of space to be covered. Amongst others, Messrs. Shepley, Rutan & Coolidge, of Boston and Chicago, and who succeeded the late Mr. H. H. Richardson in his practice, send a large water-color about eleven feet high by six feet wide, showing the Ames Building at Boston, a structure thirteen stories high. A Romanesque feeling runs through the features, as was to be expected, but we cannot help thinking that the principle adopted by Messrs. Adler & Sullivan is the only way to design these high buildings, and that the placing of stories one above the other, and marked with horizontal bands, and with no unity of expression, almost looks wrong.

What we may term architectural impressionism is somewhat largely illustrated. It is difficult to draw the line between this and mere sketches, perhaps, but Mr. Arthur Rotch sends a clever little pencil-sketch of a country house in perspective in the Italian Renaissance style, with large, overhanging eaves, the walls of yellow color, and with dark-tiled roof. It is a very good example of a water-color, with general masses indicated. The California State Building, in the World's Fair, by Mr. A. Page Brown, which, in itself, is a very interesting structure, is shown by a hideous scene-painter's drawing in bright green and red. The design itself is made up of materials from the old Spanish missions in California, and is one of the most pleasing of the State Buildings.

One of the most careful pen-drawings is that of a design by Mr. H. J. Hardenbergh for an art-club, in a very small type of François I style, in which some strong sunlight effects are introduced in keeping with the best American style. Messrs. Holabird & Roche, architects of the Live-stock Pavilion at the Fair, send some quietly-colored drawings of their work, that of the First Sheridan Tower being especially characteristic of American work. It represents a square tower with solid, circular, projecting angles and low, segmental doorway at base, the upper story being projected on corbels to come near the edge of angle-projections, and treated with upper colonnade and pyramidal roof with rounded edges, the whole design rather reminding one of Richardson's work.

Messrs. Holabird & Roche also send a good water-color perspective of their new "Old Colony Building" at Chicago, now being erected in a central part of the town. It is seventeen stories in height, in gray stone, with circular, corbelled bays at the angles, plain, square-headed windows and boldly-designed cornice, the upper stories enclosed, as it were, to form a frieze, and forming one of the most satisfactory of the high buildings at Chicago.

No. 3338 shows a bright sketch in pen-and-ink of a country house such as we are accustomed to see in the American illustrated journals, the idea in the architect's mind being, apparently, to make as much roof and as little wall as possible. It is sketchily put-in with sloping walls and placed on a hillock. No information is given, and it is possibly a fancy sketch to catch a client.

Some large drawings hard by, in the French manner of a "design for a suburban residence," by an Ecole student, show about as little knowledge of the requirements as is possible to imagine. If the title had been altered to "A Prince's Country Mansion" the case would have been very different.

Messrs. Le Brun & Son, of New York, exhibit a neatly-colored water-color of a new ten-story office-block, the Metropolitan Building in the Madison Square, at New York. It is built of white stone, and unity is attained by enclosing several stories under one arch.

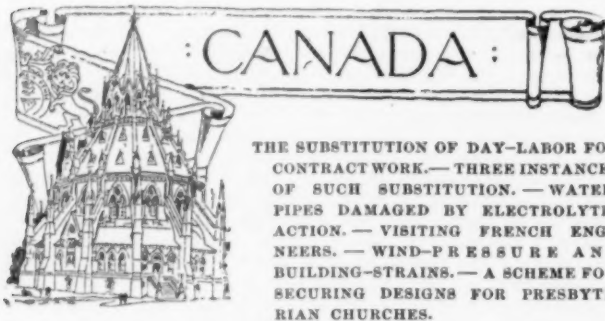
Messrs. Peabody & Stearns send a sheet of office-sketches, in color, of buildings erected by them, many of which are very effective; but, considering that Messrs. Peabody & Stearns have done some of the best domestic works recently erected in the States, many of which are at Newport, R. I., these sketches do not do justice to them, and it is a pity they were unable to send more drawings. This is, however, only a further illustration of the fact that even the foremost architects of the States do not give time to the preparation of show-drawings.

An unexecuted house by Messrs. Andrews, Jaques & Rantoul is shown in a bold sepia drawing which is quite Elizabethan in character, with mullioned windows and diapered walls, and with terraced front, making altogether a composition which must have been studied by one having an acquaintance with English precedent, which is very rare indeed in the collection.

In the enlargement of the Cambridge City-hall (Mass.), by Messrs.

Longfellow, Alden & Harlow, the late Mr. Richardson's influence is clearly seen. It has been executed in rough-faced granite, with steep-pitched roof and dormers, with massive central tower, and with open upper stages as campanile. Another firm of architects who send works of interest is Messrs. Gilbert & Taylor, whose design for a frame-built house, with granite basement, is shown in a very cleverly-executed pen-and-ink drawing by Mr. Gilbert, who also shows an exquisitely-drawn little sketch of a stone church at the foot of a hill at St. Paul, Minn., in which the grouping is cleverly handled.

The armory for the Thirteenth Regiment at Brooklyn, by Mr. R. L. Daus, is a very appropriate piece of work, and is being executed at the present time. It is shown by a good water-color drawing, and is of unpolished red granite in a castellated manner, with huge semicircular entrance arch, flanked by circular towers, the rest of the design kept dignified and severe, the upper part of the towers corbelled over castellated. Mr. Daus has studied at the Paris Ecole, but in this design he has shown that he can, like Richardson, forget a good deal of what is taught there. In conclusion, we should say that the Exhibition, although not by any means strong, is, perhaps, a fair one, but that it contains extremes of good and bad work, both in regard to draughtsmanship and design, while water-color and pen-and-ink seem to hold even sway. Church work must be very badly represented, because we know that some very good work on a small scale has been done under the influence of the late Mr. Richardson. No designs for stained glass, which take up so much valuable space in our Royal Academy, are present in the collection, and color decoration is not represented at all in regard to studies for exterior or interior work. But taking into account the apathy of the American architects to making "show drawings," we should say that the collection is a fairly representative one of the state of American architecture at the present time, and compares very favorably with our own collection at Chicago.



THE SUBSTITUTION OF DAY-LABOR FOR CONTRACT WORK.—THREE INSTANCES OF SUCH SUBSTITUTION.—WATER-PIPES DAMAGED BY ELECTROLYTIC ACTION.—VISITING FRENCH ENGINEERS.—WIND-PRESSURE AND BUILDING-STRAINS.—A SCHEME FOR SECURING DESIGNS FOR PRESBYTERIAN CHURCHES.

EVERY now and then one's attention is casually attracted to some movement in connection with the building trades by a paragraph in a daily paper—it may be from some remote quarter of the globe or from some place near at hand—that for the time excites an interest, which, however, soon flags for want of further notices of the matter; but the absence of such further notices does not at all imply that the subject is at an end and later on one is startled to find that the movement, whatever may be its nature, has all the time been growing until it has reached proportions that are likely to be formidable if it is of a character of real importance. One such movement that should not be overlooked, but which does not seem to be attracting the attention it deserves, is the substitution of day-labor for contract-work. The subject is not a new one and, therefore, perhaps, it is less likely to be noticed. Often and often one has seen paragraphs to the effect that such and such works are about to be carried out and that no contracts will be entered into, but that the work will be done by day-labor. Now, however, these paragraphs are becoming much more frequent and we see works of the first magnitude attempted in this loose and slipshod and unbusinesslike method. In some cases the idea is that (especially in municipal works) the proprietors will save the builder's profit; the proprietor becomes the builder, hires the men and supplies the material, but so far, the results of such a proceeding do not appear to be very satisfactory to those who have to pay the bills. And yet we find that this method is growing more and more in favor, and despite the experience of those who have burned their fingers, when the opportunity arises, proprietors seem anxious to give it a trial. It would be well if the attention of all interested in such matters could be aroused to investigate it. Several attempts to introduce this system have recently been made in Canada, and some important works have been so carried out, while others are at the present time being executed after this plan. Some works, no doubt there are, for which it is impossible, from the uncertainty of the actual necessary work to be done, to arrange contracts. These are generally in the nature of drainage works, or perhaps, in connection with systems of water-supply or railroad-tunnelling and so forth, but it is very seldom that constructive works cannot be perfectly figured out beforehand and properly estimated and contracted for. A few years ago an iron railway bridge on the cantilever principle was constructed over the Lachine Canal near Montreal, the estimated cost of the work was \$250,000. Here was a case in which there was no reason at all against entering into proper contracts for

the execution of the work, but it was a Government work and the officials in charge decided to carry it out by day-labor with the result that the actual cost has been \$200,000 above the estimate. Recently, too, a very vigorous attempt was made by a section of the Montreal City Council to have some important works, such as the widening of several streets which necessitated the pulling-down of continuous rows of houses and shops, done by day-labor. Violent opposition, however, was offered and after very much delay and several unseemly scenes at the meetings, those in favor of contracts gained the day. In Toronto, as has already been remarked in a former letter, the Court-house is now being built on the day-labor system and the rate-payers are watching the progress of the work with no little anxiety. The cost is to be about a million and a quarter, but the heavy bills for wages paid fortnightly by the City Treasurer may well arouse the fears of the public who of course are not aware of the actual progress beyond what they can see upon the site. The architect here is practically the contractor. After the failure of the original builder and the subsequent tendering for the completion of the works, the author of the finally-accepted tender refused to go on and the architect taking the matter into his own hands decided to complete the work by day-labor. This case is no doubt somewhat unique and it is doubtful whether any architect ever occupied the position that the architect of this building now does. The City Council and the Court-house Committee have practically washed their hands of the affair, the entire responsibility has been laid upon the architect and been accepted by him; he has to provide a Court-house complete, according to an accepted plan, and hand it over to the City Council ready for use within a stipulated time. The City Council have given their treasurer orders to pay whatever accounts he "initials" up to a certain amount, and while this game goes on the rate-payers have to wait in silent anxiety. These three instances of day-labor applied to works of considerable importance (or attempted to be applied) certainly mark an important phase in the history of building.

Another matter still more remarkable, however, should be brought to the notice particularly of the officials of the water-works department of every city. Electricity (no one will gainsay it) is a very remarkable servant and despite all that experts in its treatment have yet been able to do by way of controlling it, it still likes sometimes to show that it is a long way from being tamed or domesticated, if it gets a chance of freedom. The Water-works Department of the City of Hamilton, Ontario, has been seriously troubled by a freak of the "fluid." The city is furnished with an electric-railway system on the "trolley" principle, and it has been found that in the streets where electric-cars run the outside of the lead water-pipes laid under the ground is eaten away by (what the papers speak of as) "electrolytic action." Such appears to be the result, though the reason for it has not yet been satisfactorily discovered; but it is curious that the place where the pipes were most affected is in the neighborhood of the power-house. A possible cause may be found in the fact that all water in the subsoil drains away rapidly into the bay, owing to the grade on which the city stands, thereby leaving the subsoil particularly dry, so that the electric fluid conducted into it for dispersal does not readily disperse and acts upon the metal it finds there on its way to "ground" elsewhere. The matter, however, will be investigated.

The two French engineers, Baron Tournette de Rochemond (Inspector-general of Bridges and Approaches at Paris) and M. Henri Vitellart (Engineer-in-chief of Bridges and Approaches at Havre) who were sent by their Government, together with six other engineers, to the World's Fair, to examine into various engineering works exhibited there, have paid a visit to Canada on their way home and had an interview in Ottawa with Mr. Schreiber, the Chief Engineer of Railways and Canals. Part of their mission was to inspect some of the principal public works of this country. On their way to Ottawa they spent some time examining the Sault Ste. Marie Canal, now in course of construction, and they expressed it as their opinion that this canal is the finest piece of work they have ever seen. This is high praise, for these engineers have inspected the principal canals of Europe, and recently the Manchester Ship-canal, which is the most modern one of importance. They have asked for plans of certain portions of the work. They propose to visit the Chignecto Ship-railway and the Halifax Graving-dock before leaving Canada.

The *Canadian Architect and Builder* calls attention to the "growing frequency of wind storms" of great severity and violence in Canada, and warns architects that they should take such matters into consideration in calculating the strength of their buildings. The warning is not unnecessary, for although the Dominion has rarely been visited by more than the tail of the cyclones which do so much damage in the United States, these tails have lately been very powerful, and although hitherto our buildings have not suffered much, now that the fashion of "sky-scrapers" is coming in, while they are few and far between, their upper portions, at least, get the full benefit of the gales.

Some time ago we mentioned a competition of an unusual nature, one proposed by the leaders of the Presbyterian Church in Canada, the object of which was to secure fair designs for churches of all sizes for the purpose of improving their church architecture. The intention was to publish a number of these designs in a pamphlet and circulate among all their congregations so that any one who intended building a new church might by reference to this pamphlet see

what could be obtained for the money proposed to be expended. The name of the author of each design was to be appended and it was supposed that in selecting a design, the committee would apply to the author for drawings for their church. The conduct of the competition was left in the hands of the Council of the Ontario Association of Architects and small prizes were offered. The first competition met with very little success, possibly the intention of the promoters was not well understood and the prizes were not sufficiently tempting, but now several designs have been secured and a pamphlet of nearly forty pages has been issued containing designs for churches suitable for country villages and towns. Whether the hopes of the architects whose designs are published will be realized remains to be seen; but from previous experience, it is more likely that an author will find his design copied by local builders with perhaps such alterations as may be suggested by the genius of the village.

A remarkable story comes from the country in this connection. A town-hall and market-building were to be erected at a cost of about \$20,000 but the committee decided in the first place that the services of an architect were entirely unnecessary. A local carpenter was asked to prepare a design in the rough, he being credited with a genius that way, and when this was submitted, a builder was asked to put it into shape for contracting, or in other words, perhaps, he was to reduce the rough "sketch" to a scale-drawing. This having been done a great difficulty, apparently quite unforeseen, arose: the design was approved by some but not by all, and the parties were pretty nearly divided: a dead-lock ensued; high words were bandied about and a considerable amount of ill feeling was generated. Meeting after meeting was held but no advance was made towards a settlement of the question, but when matters were beginning to reach serious proportions, some person gifted with more intelligence than his neighbors (let us suppose it was the mayor), suggested that the advice of an architect might after all be of some service to them. A vote was taken with the result that a unanimous invitation was sent, with the request that the representative of the profession would come with all speed.

ITALIAN CITIES.¹—X.

VENICE.—II.

VENICE is perhaps the only city which surpasses all imaginings. It would be vain to exaggerate the picture in advance. It would be vain to dream of more wonderful things. From the moment one enters the lagoon, one recognizes that it was not possible to preconceive the brilliancy, the fantasticality, the strangeness, the originality of the picture which one has before his eyes. A city built in the water, which seems to float in the azure like a fantastic boat, surmounted with domes and towers, is in itself a dazzling rarity; but when this city is, besides, a vast metropolis, which during several centuries has governed a large portion of the world, and has accumulated in its history the most glorious and redoubtable remembrances; when this capital offers the almost inconceivable speciality of containing, heaped one upon another, the most widely differing specimens of man's art work, it is easy to understand that the imagination of the greatest poet cannot present an idea of it before having seen it. Here one would say one had arrived at a place where, during five hundred years, a marauding people were pleased to gather together the fruits of its rapine. They set out on an expedition and pillaged at hazard, and returned laden with booty to increase the common riches, and it is thus that churches rose by the side of other churches, palaces before palaces, and bridges, quays, campaniles, porticos ranged themselves one after another without order, without rule, without prearranged plan but in an altogether happy-go-lucky manner. It is an accumulation of things unheard of, grandiose, unconnected, dissimilar, which considered separately would be horrible, but which, on the other hand, in this unconscious disorder, in this accidental grouping, in this decoration touched-in in haste like a drop-scene daubed-in hurriedly, harmonize with one another, and agree together through the very strangeness of their forms and the unexpectedness of their juxtaposition. Every century, every style, every people, every taste, every species, every aberration here finds expression, and has joined the heap. It would be impossible to sort it out and classify its separate parts.

To describe Venice, it would be necessary to compile several volumes, and after one had filled an entire library, he would only perceive that the work must be begun all over again. It is necessary, therefore, after having remarked the general character of the city, to limit one's self to noting the most considerable monuments.

The three branches of art had in this city a most brilliant blossoming. Sculpture did not make so good a showing as painting or as architecture; but yet she could not fail to occupy and retain an important place in a city where at a given moment gathered the most able artists of the peninsula.

The first influence which began to make itself felt was that of the Tuscans in the fourteenth century, an epoch when the school of Pisa took the first step and excited the emulation of all Italy. This influence is especially visible in the statues of Jacobello in the Church of St. Mark. Then after the Buoni and the Lombardi, the genius of the Renaissance affirmed itself in full brilliancy with Sansovino, who gave to Venice the best of his talent, and there founded a school to which belonged many sculptors of worth.

After the age of Sansovino came the time of the Decadence, which lasted to our time, and which was interrupted only by one instance, a phenomenal one, that of Canova, who, protected by Senator Falier, became a sculptor of the highest rank, and found himself by a strange chance, at the beginning of the century, in training to express all the graces and finesses of classic art and pagan conception, and knew enough to hark back to the purest sources of Hellenism.

Painting at Venice underwent very accidental vicissitudes. Up to the fourteenth century it was practised by mosaic-workers and Greek daubers who painted in fresco and distemper. After this epoch, the revelation prepared by Giotto and his school made its influence felt throughout the North of Italy, and did not fail to modify the tastes and fashions of the Venetian studios. There was about the commencement of the fifteenth century an unexpected kind of germination in the style local at Murano, but this germination was a little corrupted by the influences of German and Flemish painters, who, after the fashion of Van Eyck and Dürer, made long sojourns at Venice, and to this epoch dates the celebrated breviary of Cardinal Grimani, a marvel of Christian art preserved in the Ducal Palace, and which was ornamented with admirable miniatures by Memling and his Flemish colleagues. This Germanic influence is less visible, through a certain rudeness, in the works of Vivarini da Murano, at the time when Mantegna, pupil of Squarcione, had already begun to introduce into Venice the principles of his school, which invoked the principles of antiquity.

In spite of these fluctuations, Venetian painting already was adding strength to its peculiar temperament, and inclining to become that which it really became later, a school of colorists. This peculiarity is attributable to the artists' familiarity with mosaic-work, where the colors are lively and brilliant, and where each of them has its own individual color, and to the traffic with the Orient, which brought into the City of St. Mark the rich Oriental merchants, clad in brilliant stuffs and bright with jewelry of great cost.

These are, according to our views, only trivial reasons. The Venetian painter is, first of all, a colorist, because by reason of a meteorological phenomenon, which it is no part of our task to explain, the light of the Italian sky at the head of the Adriatic, upon the mirror of the lagoon, which serves as a reflector and multiplies its intensity, takes on crude and violent tones and acquires a startling brilliancy in the midst of which objects can only preserve their relief and take on, so to speak, expression on the condition of cutting the luminous background by the vivacity and strength of their color. Here, everything which does not glitter is condemned to be forced into the background and disappear under the flood of moving and enveloping light. Here the line is also condemned to soften down and be drowned in the full glowing air, and the artist's eye becomes accustomed to distinguishing the gamut of colors rather than the contours of the objects. Color and movement are the characteristic features of Venetian nature, of Venetian landscape, and this is why the painters of this country were destined, at the moment when art was beginning to arrive at full maturity, to become colorists like Titian, and impassioned and unrestrained lovers of movement like Tintoretto.

It is so certain that the ambient *milieu* must exercise over the artists of the brush at Venice an irresistible fascination; it is so true that from this *milieu* disengages itself an imperious law to which each one feels himself subjected, that the Venetian painters always somewhat resemble one another, and that it is possible to say, almost without exaggeration, that one who knows one knows them all. One thing which is certain is that, for an observer and an experienced critic, a Venetian painting is always recognized by something or another. After those two grand masters whom I have just mentioned, and who, with Giorgione and Veronese, were the most puissant interpreters of painting at Venice, art in this city ceased from following a correct inspiration, from conforming itself to good traditions, and turned, as in all the rest of Italy toward the end of the sixteenth century, to excesses and exaggerations which made certain an irremediable decadence.

If architecture, Venice has no school except in the geographical sense of the word, for the reasons which have been given above. At an early day, the Venetian people, enriched by their commerce, made vain by their power, proud of their domination, which was exercised over the northern portion of Italy and over the Adriatic, and which extended over almost all of the Orient, desired to have monuments which should be the witnesses of their force and prosperity; but, when they thought of building their cathedral, they borrowed the model from Sta. Sophia at Constantinople. When they wished to build a palace to serve as the dwelling of their Doge and Government, they built a monument in a style composed of reminiscences of Moorish and Gothic work. After the Arabic arcade in horse-shoe form, pointed, chubby and constricted at its base, we see appear the pointed opening of Germanic origin; but in the palaces and churches of the early times the Moorish note dominates, and even to-day, in passing along the canals, bordered with palaces whose façades are decorated with trefoils, with roses and arabesques, one enjoys the vision of an Oriental city transported by enchantment into the West; while Orientals, at the sight of churches where rules the key-note of Italian barocco work, and palaces through whose physiognomy pierces the Gothic style, must experience the sensation of visiting an Occidental city which tried to embark for the Orient, but has stopped short on the shores of the sea.

¹ Continued from No. 924, page 159.

Through a necessity which is derived from the very nature of its environment, Venetian architecture could not be content with the simple line; in a city built upon the water, between heaven and sea, that is to say, in a *milieu* where variety and the hues of terrestrial landscape are lacking, where there are no trees, the peculiarities of the soil, the chromatic scale of the ground, the usual purity of contours, must have given to the town a character at once *triste*, monotonous and dry. In order to impress on this city life and movement in the midst of the unity of the sky and the liquid plain, it was necessary to vary the ornaments and overload the designs and multiply the accessories, to suggest in some degree a vegetation luxuriant in details and of perpetual growth, at the risk even of falling into the baroque style, and giving birth to an art which amid other surroundings would appear coarse and awkward. And this is the reason why the *frontons*, the arcades, the colonnades, the cable-mouldings, the rosettes, the sculptured foliage, in place of being here architectural enormities, appear like embellishments; and this is why the city, considered as a whole, shows itself like a marvellous piece of embroidery, like a city constructed in a filigree of marble, like an exquisite piece of sculpture, so light, so delicate, so vaporous, so diaphanous, that in place of being built on solid piles, it seems to float vaguely on the water and lie at the mercy of the waves, like a fantastic bark half-seen in a splendid dream.

The first architects who endowed the Venetian city with local artistic tradition were the Lombardi family, founded by Pietro, and which includes at least a half-score of distinguished masters. During more than a century they peopled the city with buildings, monuments, palaces, churches and tombs, and their style was called Lombardesco. We may consider as belonging to this epoch the interior façade of the Ducal Palace, the most ancient portion of the Procuratie, the Palazzo Camerlenghi, the prisons, the Rialto, and the Bridge of Sighs. But the three masters who contributed most to complete the character of the city were San Micheli, Jacopo Tatti, called Sansovino, and Palladio. Sansovino, who was sculptor and architect, had travelled much in other parts of Italy, and especially to Rome and Florence. He therefore brought to the borders of the lagoon all the charms, all the conquests, all the faults of the Renaissance, heightened and aggrandized by the originality and inventive eccentricity of his imagination, which carried him in the direction of bold and complicated creations. He is assuredly one of the greatest artists of the sixteenth century, which was at once the century of the Renaissance and of the Decadence.

It is through one of those pieces of injustice, of which criticism and history offer too many examples, that Palladio, who was considered the continuer and successor of Sansovino, has been ranked before San Micheli in the hierarchy of the great names of art. Of all the artists who worked at Venice, Palladio is, perhaps, the one who less understood the necessities of the frame within which his works must be adapted. On the pretext of reconstructing art from the pure sources of antiquity, he imitated the ancients almost to the point of becoming a mere plagiarist. The simplicity which he labored to achieve, and which would have had, perhaps, its *raison d'être* elsewhere, gives at Venice a dryness, an aridness and relative coldness to his works, which are quite out of tune in the midst of this revelry of ornamentation, this *furor* of complications, which were, as we have said, imposed by necessity on the Venetian architect. We see this especially in the Church of San Giorgio Maggiore, in the Church of the Redentore, and in the façade of San Francesco de la Vigna. This is all the more inexplicable, because coming after, or at the same time as, Brunelleschi, Alberti, Bramante, the Peruzzi, San Micheli and the two San Gallos, he might have composed for himself a style less servilely borrowed from Classic types, and more appropriate to the peculiar necessities of Venetian environment. He thus failed of originality, and only gained distinction for having believed that the Greek artists were worth more than those of contemporaneous Italy. With these reservations, we can recognize that, in the style of which he made a specialty, he conceived some very estimable works, and that at the moment when the Decadence knocked at the doors of the Peninsula the love of Greek and Roman traditions was, perhaps, a salutary check which he had the merit of exemplifying, and which retarded and limited the debasement of art. It is especially at Vicenza, where he was born, and in its environs more, perhaps, than at Venice, that are found monuments, and especially palaces, in which he was able to give free rein to his powers of invention, and the fertility of his mind, which knew how to blend all styles by taking from each one that which was best in it. It is to be regretted that the bricks, of which, in default of marble and hard stone, he was forced to make use, give to his works an aspect of poverty and a vulgar physiognomy, and prevent them from bringing out all the graces and all the delicacy of his design.

His plans are always wisely conceived, with ordonnances well disposed, and breathe an imposing serenity; but one too much feels the control of convention and the sterile rule of preconceived formulas. At bottom, that which has contributed to rank Palladio high in the esteem of posterity is his writings, in which he has stated with extreme precision the principles and fundamentals of his art, and these writings are to-day consulted with benefit by men of his profession. He is much more celebrated for the counsels he has given than by the monuments which he left behind him; and, like Vasari in painting, he has made himself illustrious by that which he said of the works of others much more than by the works which he conceived and executed himself.

San Micheli certainly had more force, more spontaneity, more breadth, more invention. He belonged, moreover, to that category of architects who knew with equal facility how to build a religious edifice or a work of defence. He was military architect of the Republic, and his adventurous and romantic life indicates a temperament at once energetic and haughty, similar in more than one particular to that of Michelangelo Buonarroti. But we will not insist upon this parallel between Palladio and San Micheli, of which we have already said enough in the article¹ which we consecrated to the city of Verona, where he was born.

H. MEREU.



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

THE ATKINSON BUILDING, SAN FRANCISCO, CAL. MR. A. PAGE BROWN, ARCHITECT, SAN FRANCISCO, CAL.

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

THIS little building stands out alone in all San Francisco as the only one of its type and has encouraged its author to do something more in the same line. The building is built of brick cemented on the outside and the cement finished with a mixture of white sand and cement: no oil paint being used. This white sand comes from the beach at Monterey and is used in glass-making. It is almost a pure white and gives to the building a most exquisite color in contrast with the red and green. The negative for this print, which is unfortunately reversed, was made by Messrs. Andrews & Lange.

HOUSE FOR R. C. SIBLEY, ESQ.: FRONT VIEW. MR. JAMES BROWN LORD, ARCHITECT, NEW YORK, N. Y.

HOUSE FOR R. C. SIBLEY, ESQ.: GARDEN VIEW. MR. JAMES BROWN LORD, ARCHITECT, NEW YORK, N. Y.

NATIONAL FIRE INSURANCE BUILDING, HARTFORD, CONN. MR. W. C. BROCKLESBY, ARCHITECT, HARTFORD, CONN.

HOUSE FOR JOHN BERGIN, ESQ., DORCHESTER, MASS. MR. PATRICK A. TRACY, ARCHITECT, BOSTON, MASS.

[Additional Illustrations in the International Edition.]

ROSEHAUGH MANSION.

THE work now being carried out consists of considerable additions to an existing house, in the form of new hall, drawing-room, billiard and smoking rooms, etc., on the ground-floor, with swimming-pool and complete arrangements for Turkish bath in the basement, and the entire remodelling and casing of the old house. In addition to the alterations, considerable works have been carried out on the estate by the present proprietor of Rosehaugh, who is one of the most progressive and enlightened of the younger landlords of the North. These include such work as the creation of a lake, the water-power obtained from which by means of turbine machinery supplies the power for electric-lighting of the mansion and estate buildings. The details of the work have been very much improved from those shown upon the published drawing, during the course of execution, and while showing certain similarity in style and treatment to English work of the sixteenth century, much of the detail is French in character, as much of the old Scotch work of this period shows distinct evidence of French influence. The plate is copied from the *Builder*.

TOMB OF GUILLAUME DU BELLAY IN THE CATHEDRAL OF MANS, FRANCE.

GUILLAUME DU BELLAY, one of six brothers of a noble family of Anjou, once viceroy of Piedmont, acquired a brilliant reputation as a soldier during the Italian wars, as a diplomatist during his embassies to England and Germany, and as a writer through having composed several works of history and poetry. He died on his return from Italy, January 5, 1543, and his brother René, Bishop of Mans, caused his body to be carried to Mans and entombed in the chapel of Notre Dame du Chevet, in the cathedral, but was prevented by his own death from rearing the intended monument, this task being left to his brothers Jean, Cardinal du Bellay, Bishop of Paris, and Martin, Prince d'Yvetot, then Governor of Piedmont. Well known to all who study the French sculpture of the Renaissance epoch, the tomb of the Seigneur de Langey has been several

¹ See *American Architect* for April 27, 1880, et seq.

times described and illustrated. Writing in 1810, Lenoir says: "The mausoleum of Langey du Bellay, of which M. Maulny has preserved the greater portion set up in the museum of the Department of Sarthe, gives a very good idea of Germain Pilon, its author. The sarcophagus is wholly of Italian marble, ornamented with a bas-relief that closely imitates the antique. The two trophies, also of Italian marble, disclose the genius which created it, and charm all connoisseurs by beauty of execution. The figure of Langey and the two caryatides are of Tonnerre stone. Black marble sphinxes support the sarcophagus. The loss of the ornaments of the greater portion of this mausoleum is to be regretted." Elsewhere, the same writer says: "The precious relics of the mausoleum of Langey escaped devastation in 1793." In 1793, the revolutionists seized upon the cathedral at Mans for purposes of public assembly and public fêtes. They there committed numberless disorders, and Garnier, the representative of Saintes, distinguished himself by causing to be broken a large number of statues which decorated the building. It is probable that the tomb of Langey was no more spared than the rest. As may be easily seen by glancing at the illustrations, which are copied from *L'Art*, the monument, in its present condition, is far from affording the impression of magnificence which was caused by the original tomb. The essential portions still remain, but the harmony of the composition is destroyed. If the statue, the marine frieze ornamenting the sarcophagus and the guardian caryatides are admirable, they are admirable as isolated fragments. There now exist in the monument wide vacant spaces wholly opposed to the genius of the Renaissance, and the statue stands out against a background which adds nothing to its worth.

Nowadays, however, we have certain information that the attribution of the tomb to Germain Pilon is out of the question, since Pilon was born in 1535, and the statue must have been executed about 1548. Placing reliance upon the resemblances which exist between this statue and that of Admiral Chabot, M. Palustre infers that it is the work of Jean Cousin. As to the marine frieze, it appears to be the work of Italian artists. Whatever may be the real truth as to the author of the monument, the matter is of secondary importance. The thing of real interest, and the one which attracts us, is the majestic beauty of this half-reclining male figure, these caryatides, with their grim countenances, and the movement in the frieze, where live and palpitate about a female figure, sea-gods and marine animals.

ITALIAN FOUNTAIN.

This plate is copied from *Architektonische Rundschau*.

THE NEW RAILWAY-STATION AT HALLE.

This plate is copied from the *Zeitschrift für Bauwesen* from which we borrowed other details of the same building which were published in our issue for July 29.

STANMORE HALL LIBRARY.

In this part of Stanmore Hall it is satisfactory to see a modern treatment of ornament that is not out of place with Gothic woodwork, and the result, if compared with some late examples of libraries in houses, must be judged to be attractive and suitable.

THE CHAPTER-HOUSE OF A CATHEDRAL.

The plate is a reproduction of the principal elevation of a design prepared according to the conditions of and submitted in the Soane Medallion competition of 1891. The drawing illustrated was hung in this year's Academy. The materials chosen are red brick and stone, with a lead-covered roof. The plan is hexagonal, giving an interior, vaulted in brick, with stone ribs. A feature is made of the central shaft—a treatment which is typical of the best examples of the chapter-house extant, and too thoroughly in accordance with the traditional character of the building to be set aside for the questionable advantage of a free floor, gained in a chapter-house which, baptistry-like, has no central shaft. The design is by Mr. John Begg.

ULM, AFTER A DRAWING BY SAMUEL PROUT.



[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.]

MR. ATKINSON AND THE WORLD'S FAIR BUILDINGS.

BOSTON, MASS., September 23, 1893.

TO THE EDITORS OF THE AMERICAN ARCHITECT:—

Dear Sirs,—Having been again at Chicago, I believe I have missed one rejoinder which you made to my review of the buildings of the great Fair. A rejoinder in which I am said to be "one-sided

in" dealing with architects and architecture has attracted my attention. I fully admit that you are right. I am one-sided in dealing with architecture in general and with the architecture of the Fair in particular, for the reason that the practice of the architect according to my experience is a one-sided art. It is so exclusively a fine art as to make it unsafe as a rule, for the mill and workshop constructor to consult the professional architect or to be guided by him lest in the effort to give a better æsthetic or artistic appearance to the industrial buildings, utility, light or air should be sacrificed. As for instance the present tendency, so strongly developed by the late Mr. Richardson, to the round arched window is one to be absolutely avoided in the construction of the factory, the workshop, the warehouse or the office-building in which light is a very important element—the top light being the most essential. You express some surprise that a Philistine like myself should have been, as one may say, so entranced with the beauty of the buildings at Chicago. Ought it to be a matter of surprise that one who deplores the bare and inartistic quality of the buildings with which he is habitually called to deal, should be impressed by the artistic beauty of others?

If you are right in saying that the purpose of the Chicago Exposition was not to make an exhibit of industrial progress then I am prepared to admit that complete success has been attained in the artistic effect of the buildings; but at a very excessive cost as compared to the type of buildings which would have given a much more suitable expression to industrial progress. I differ with you wholly as to what might have been the purpose of the Exposition and would have been under certain other conditions which were changed when the situs of the Exposition was fixed at Chicago. I also differ with you wholly as to the relative attendance and profit, in proportion to the expenditure, under the conditions of an exhibition devoted to the development of progress in all arts.

You cite my favorite advocacy of low buildings—one, two and three stories as against the narrow, high and unsightly factory buildings which are so common; you speak of this class of buildings as if the function of the architect had nothing to do with them. If such is the fact then the profession of architect is separated by a party-wall, through which no passage can be made, from the practice of the engineer who is in charge of mill, work-shop and warehouse construction. It is that separation which I have endeavored to break down and perhaps with some effect. The rules of mill-construction have been adopted by some of the best architects in the country—sometimes in their integrity—sometimes so perverted as to utterly fail of their purpose and also fail even in their artistic effect.

I have cited two buildings in the Chicago Fair as almost the only ones from which any lesson could be taken to be carried outside the gates for application in the work of life. These two buildings are the Workman's Model Dwelling, built of brick, for one family, corresponding to those which are so numerous in Philadelphia, and the Workman's Model House built of wood, belonging to the exhibit of the State of New York. The question arises whether or not there is an architect competent to build a workman's dwelling corresponding in floor area to the one exhibited at Chicago at a cost of one thousand dollars, which will be more pleasant to the eye and a better object-lesson in cultivating the taste of those who must dwell in such houses, than this one is.

Your Philistine correspondent thinks he could do vastly better with the thousand dollars both in construction and in æsthetic effect and he means to make a trial; but as he is himself incapable of drawing anything or putting any conception of artistic effect on paper he would probably fail without the assistance of his son. He, however, puts this question, Is the profession of architecture so one-sided as to make it difficult for the Editor of the *American Architect* to name one of the profession who could apply the fine art claimed in its practice to the construction of a workman's dwelling built of wood at a cost of one thousand dollars, which would satisfy the requirements of life and at the same time satisfy the artist? So far as the experience of the undersigned covers the ground the members of the profession fail to do satisfactory work at low cost in wood or even in brick. In the construction of this class of small dwelling-houses at low cost there have been worse failures æsthetically on the part of architects than in examples which have been set up by the mill constructors and engineers. If the factory, the work-shop, the workman's dwelling and the operative's house are not worthy of attention by those who are engaged in architecture as a fine art, then I adhere to my original statement that we must wait for the true artist yet to be born who can develop architecture as the great artists of old time did who were engineers and builders as well as artists. If that is a one-sided view then I claim all the merit of being a one-sided man in dealing with this subject; namely, dealing with that side of the profession which up to this time has been almost wholly neglected.

If the motive of human welfare is not as true an incentive to the artist as the motives which governed the constructors of Grecian temples, mediæval cathedrals and the castellated palaces of the old world, then the architect must give place to the artisan and cease to attempt to put extraneous decoration upon buildings which are wholly intended for use. I have not myself so low an opinion of the profession as to believe it cannot be elevated to a plane in which it may cope with motives of modern life without putting crazy and combustible roofs on top of exterior structures that obscure the light—fail to impart wholesome conditions to the interior—and

which contains the cellular structure which will cost this country an ash heap valued at one hundred and fifty million dollars in the present year.

If that is a one-sided view of the profession then I hope that the architects in a body will come over to my side ere long. We may then have less art and more comfort in our dwelling-houses—less æsthetic effect and a more true adaptation of the true principles of art in industrial buildings; fewer picturesque hospitals of irregular form surmounted by crazy roofs and a greater number of buildings in which the cure of disease and the care of the incapable may be more safely and surely conducted; fewer ambitious attempts and more successful results in adapting each class of buildings to the motive and purpose on which it is to be put in use.

EDWARD ATKINSON.

[As usual we find Mr. Atkinson very largely in the right but as usual, too, we find him disposed to hold the architect solely responsible for sins of commission and omission which logic and ethics demand shall be shared between the architect, the client, the insurance companies and the municipal authorities. He usually assumes the position that architects employ imperfect and undesirable methods because they are ignorant of the existence of other methods or are incapable of employing them when they are known. We, on the other hand, know that the real state of the case is that they do know and can use approximately perfect methods but are restrained from using them because the common foible of humanity to gamble allows the client, with the abetting of the insurance companies and the authorities, to take risks which all four parties concerned know ought not to be taken. We still believe that architects are useful members of society and have a right to the livelihood they earn and to a certain amount of gratitude from the public at large even if they do not devote themselves to the designing of industrial buildings. We still remain convinced that the problem the architects of the World's Fair buildings were asked to solve was not to produce specimens of architecture that could be "carried away from the gates of the Park for application" elsewhere. They were required to prepare buildings of temporary (therefore visionary or dreamlike—"Hellenic" or otherwise) nature suitable for a grand holiday occasion which was to satisfy and instruct the æsthetic nature of man quite as much as to show him how he could add to his physical comfort and increase his money gain by the practice of strict economic principles in several directions. The buildings for a grand holiday occasion should be, and properly have been, differentiated from buildings that can be taken away and used elsewhere as greatly as a grand holiday differs from the common working-day. As to the workman's cottage, we do not doubt that there are hundreds, even thousands, of architects who could build a hygienic and enduring workman's cottage at a cost of \$1,000 which would be acceptable to the artistic sense, but it would be an unprofitable task to try to earn a living by devoting one's attention to this class of work. Mr. Atkinson's communication suggests several questions which he may be able to answer. How large a percentage of mill and industrial buildings have ever been entrusted to the care of such architects as have shown themselves competent to produce artistic results when equivalent sums of money have been entrusted to their handling? How many workmen having \$1,000 to spend resort to architects for their designs as compared with those who go to the nearest carpenter? Is it known how many industrial buildings or workmen's homes Michael Angelo, Leonardo da Vinci or Brunelleschi designed and built to the acceptance of those men of their day of a Philistine cast of mind? They are known to have been good engineers, but is it known that the modern architect under similar conditions would not prove himself as competent in this direction? Is it really supposed that there are no architects in this day and country who could, if they were willing, design and build a mill or workman's house as substantial, as economical of cost and material and as barren of artistic feeling as such structures are now produced by those who have not made the production of artistic effects a prime consideration? If an architect is one who by instinct would produce a beautiful effect regardless of cost and excess of strength, and if an engineer is one who by instinct would produce a structure economical in cost, having no useless surplus of strength and absolutely disregarding of "looks," they must perforce in these days of haste and complicated living be employed together to produce those fully satisfactory results that we, as well as Mr. Atkinson, would like to see achieved. But then the capitalist must be content to pay a living to each collaborer, and as the capitalist is the most confirmed of gamblers he is not ready yet to take this step which would do as much as anything to give actuality to that millenium we all dream about.—EDS. AMERICAN ARCHITECT.]

BACTERIOLOGY AND SANITARY PLUMBING.

PHILADELPHIA, PA., September 22, 1893.

TO THE EDITORS OF THE AMERICAN ARCHITECT:—

Dear Sirs,—Having dropped the practice of architecture for the study of hygiene, and in particular that branch of it called bacteriology, I am led by the decided change in my views, produced by this study, to write you a few lines regarding sanitary plumbing.

The whole system of plumbing, required in all our leading cities, is devised with the idea of keeping out that great bugbear "sewer-gas."

Now the question immediately arises, what is sewer-gas? In order to answer this it is necessary to give a short explanation of the lives and functions of those minute organisms called bacteria.

These are complete organisms consisting of a single cell which live upon organic matter, and excrete other matter. They are divided into two general classes—those that live upon dead organic matter and those that live upon living organic matter. Now those that live upon dead organic matter have many gas-producers among them, that is, they absorb the dead organic matter as their food and excrete nitrogen, carbon, sulphur, hydrogen, etc., or gaseous compounds of these. I can now think of no gas-producing bacteria that produce disease in man. This gas is as harmless as the gases produced in a chemical laboratory. All that is necessary for safety is their dilution with air below a dangerous limit. This explains why men work continually in sewers and remain perfectly healthy.

Take an ordinary waste-pipe in a dwelling-house, the sides up to the parts of the fixtures that are exposed in the room are covered with slimy organic matter, upon which millions upon millions of bacteria are growing. A colony of them which has located themselves below the trap can easily grow up through the slimy matter in the water of the trap to the same matter above the trap, the water in no way impedes their growth, indeed it aids most of them.

Now what we want in a system of plumbing is to keep disease out of the house. The disease-producing bacteria will grow in this slime in the same manner as our friends the bacteria who reduce dead organic matter to simple chemical elements, i. e. sewer-gas. Now if these disease-producers are in the sewers, as in an epidemic, or have been introduced into the waste-pipes of a house by the careless disposal of the excreta of a person sick with a contagious disease; what means have we to prevent them from entering our houses? Nothing, except in houses that are provided with fixtures that are easily, amply and continually flushed. Back-vents placed along the lines of waste only add extra surface to grow slimy. Main lines of ventilation, of course, dilute these gases, whose only harm is the power of displacing some of the oxygen in an apartment. Our breath is equally bad.

Cleanliness is our only safety. This applies to the waste-pipes as well as the fixture. Simplicity, of course, promotes cleanliness.

I would drop all back-vents; carry all main lines of waste-pipe through the roof; prohibit by law the use of any fixture that has an overflow that cannot be easily cleaned; provide flushing-tank fixtures and have all surfaces around plumbing accessible for cleaning and made of non-absorbent materials as far as possible.

Very respectfully yours,

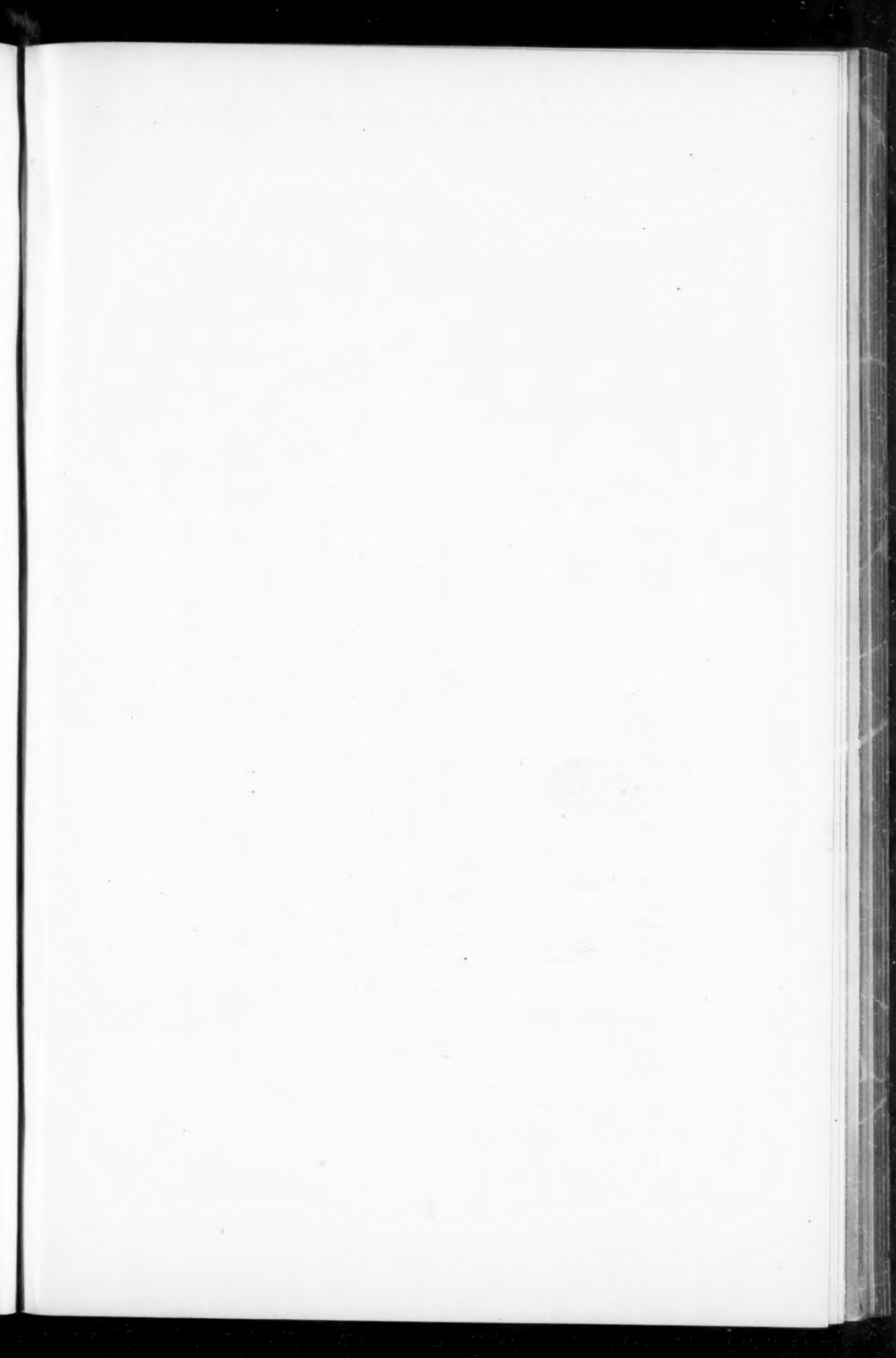
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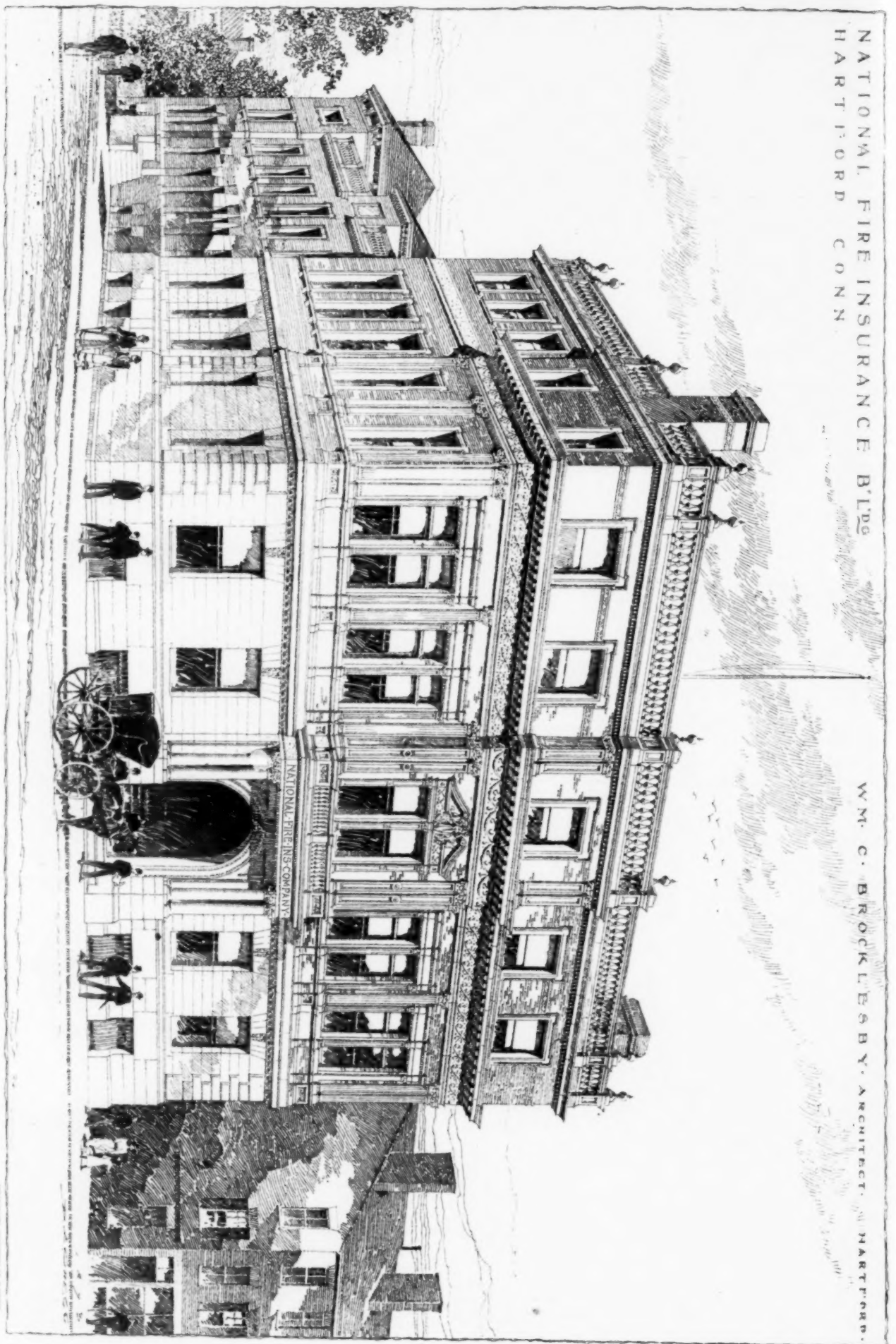
SUBMARINE FOUNDATIONS MADE BY SOLIDIFYING SAND.—Somewhat akin to the process which Mr. Harris used with success on the troublesome section of the Elmwood-avenue sewer for solidifying quicksand is a process by which the sand and gravel at the bottom of a river or the sea are converted into a concrete masonry foundation without being excavated or even disturbed. The process, as described by Fr. Neukirch before the World's Congress of Engineering, consists in using air-pressure to force dry powdered hydraulic cement through a pipe down into the bed of sand or gravel. The pipe or tube has a lance-shaped foot perforated with small holes through which air is forced. The pipe is sunk deep into the sand and gravel bed by forcing air through these holes, which displaces the particles of sand at its foot and allows it to settle. When the tube has reached a solid substratum the cement is fed into the tube, and the current of air carries it to the foot of the tube, and injects it with considerable pressure into the sand and forms a matrix with the sand, gravel and water present. The blowing-in of the cement and air in this mobile mixture produces a boiling action at the end of the tube which thoroughly mixes the cement and sand. As the process goes on and the introduction of the cement continues, the tube is slowly drawn up at a speed which permits the required quantity of cement to be introduced. As the tube is drawn up and the injection of the air ceases, the grains of sand subside and settle firmly together, occupying a smaller space than before the cement was introduced. Each sinking of the tube gives, of course, only a column of concrete, its size depending upon the pressure of the air and the looseness of the sand. To insure the solidity of the whole foundation, the pit is divided into small fields from 8 to 12 inches square, and into each field the pipe is sunk and the requisite quantity of cement forced. To limit sharply the lateral dimensions of the foundations and to protect it against outside influences, it is in the first instance surrounded with sheet-piling or a coffer-dam.—*Providence Journal.*

A GERMAN ON THE WORLD'S FAIR.—Dr. Julius Lessing of Berlin has been speaking well of the World's Fair. "I was delighted, perfectly charmed. Such magnificence I had not looked for! What splendid buildings! Paris had nothing like it to show. And this is only a young town—a mere infant. Architecture like what I see here the world has not seen since the destruction of the Forum, when Rome was in the very apogee of her greatness. Added thereto is the what I may call aristocratic elegance of the exhibition proper, the absence of all country-fair accessories, which even in Paris were a sort of disturbing element in 1889. Whatever I have so far seen of these marvellous constructions convince me that the overwhelming and inspiring impression made upon me by the Chicago World's Fair will remain an enduring one for life."—*New York Times.*

THOSE MAMMOTH AUSTRALIAN TREES.—A story is going the rounds that a gum-tree 415 feet in height has been discovered in the Cape Otway ranges. We must probably take the report as a sign that Australian patriots are recovering from their general depression. Trees of this size were generally believed-in on the faith of current reports accepted by Baron von Müller, till some years ago a photographer advertised for a tree of about these dimensions with the result that nearly 100 feet had to be struck off the accepted estimate. Neither was this because all the finest had been cut down. For the finest generally grow in parts where it does not pay to fell them, and a few landowners have always cared for their preservation. Early explorers were a little rough in their measurements, and these grew with years, though the trees had ceased growing.—*Westminster Gazette.*



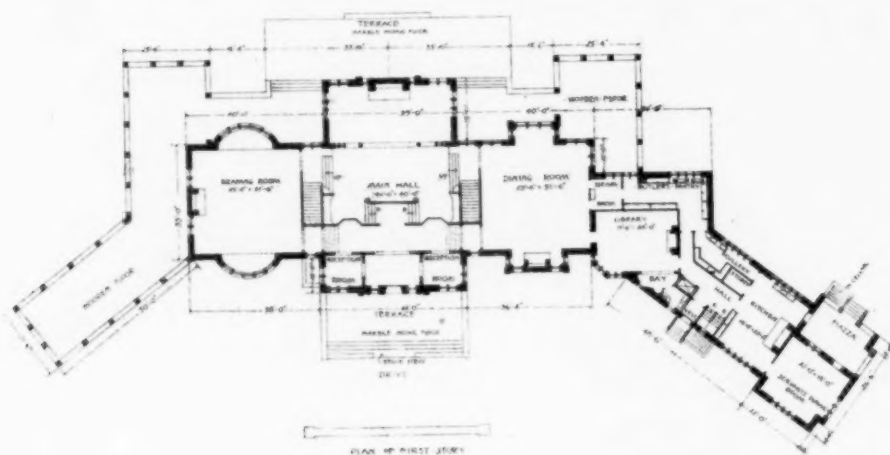
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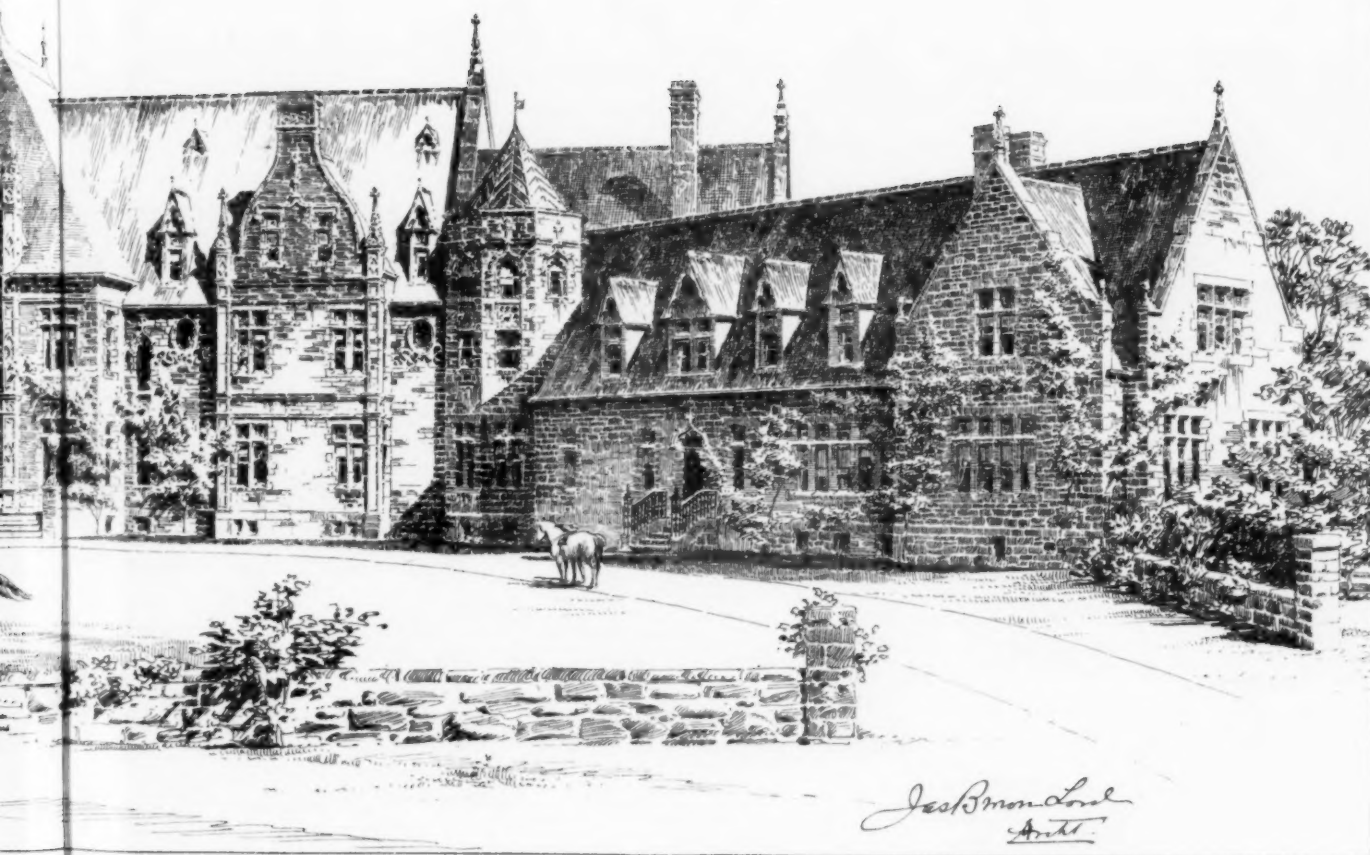
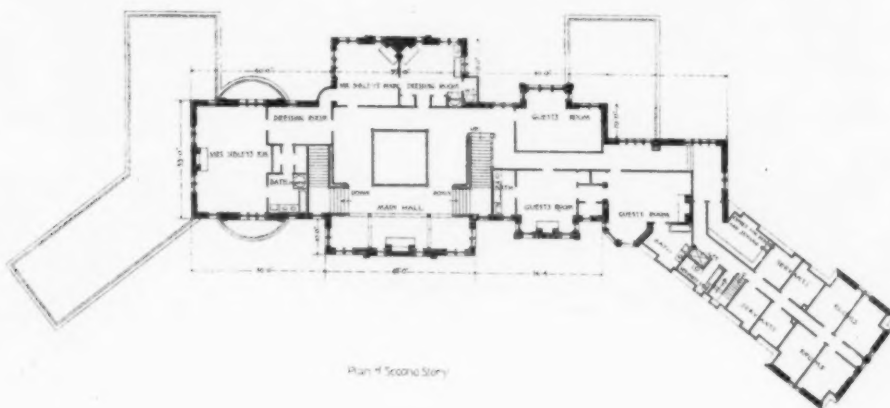


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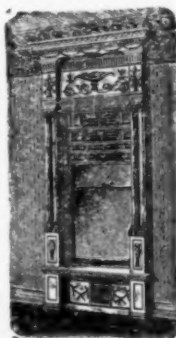
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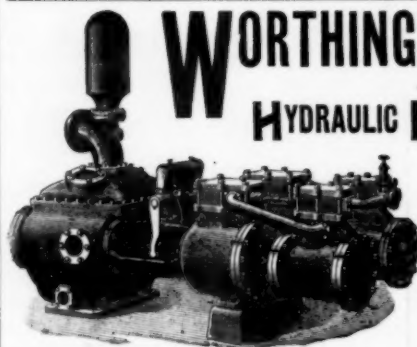
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Common: Cargo afloat.				Sq. Hard @ 9 00
Pale.....	2 50 @ 2 75	Eastern }	Building Brick	" @ 7 00
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Long Island.....	@			Sq. " @ 9 00
Up River.....	5 00 @ 5 50			Light Stretchers
Haverstraw Bay 2d.....	5 25 @ 5 50			Medium " @ 10 00
" 1st.....	5 50 @ 5 75			Red " @ 12 00
Hollow.....	@ 13 00			Dark " @ 13 00
Fronts:				Pressed 18 00 @ 20 00
Croton, Brown.....	@ 12 00			Best Paving @ 14 00
" dark.....	@ 13 00			Second " @ 13 00
" red.....	@ 13 00			Third " @ 12 00
Chicago pressed (Anderson).....				Dom. { @ 65
" Moulded.....				@ 82
Baltimore.....	37 00 @ 41 00			
Philadelphia.....	23 00 @ 24 00			
Trenton.....	@ 19 00			
Milwaukee.....				
Moulded:				
Glens Falls Red Pressed.....	@ 37 00			
" " Buff.....	@ 30 00			
" " Moulded Red & Buff	45 00 @ 70 00			
Enamelled: Imp.				
Enamelled (edge).....	65 00 @ 100 00			
Enamelled (edge and end).....	90 00 @ 115 00			
CEMENT, LIME, etc.—(P. M.)				
Rosendale Cement.....	95 @ 1 10	1 15 @ 1 25	Not sold.	1 30 @ 1 50
Louisville.....		Brooks, S. & Co.	1 05 @ 1 15	BS&Co 2 75 @ 3 00
Utica, Akron, Buffalo, Milw'kee.	Not sold.	2 40 @ 2 75	1 00 @ 1 10	2 85 @ 3 25
Portland, English (Gibbs).....	2 25 @ 2 50	2 40 @ 2 75	3 00 @ 3 10	2 85 @ 3 15
" (K. B. & S.).....	2 50 @ 3 00	2 40 @ 2 75	3 00 @ 3 25	2 75 @ 3 00
" " Black Cross.....	2 25 @ 2 50	2 40 @ 2 75	3 00 @ 3 25	2 85 @ 3 15
" " (Burnham).....	2 50 @ 2 50	2 40 @ 2 75	2 90 @ 3 15	2 75 @ 2 85
" " (White's).....	2 65 @ 3 00	2 40 @ 2 75	3 00 @ 3 25	
" " French (Lafarge).....	3 00 @ 3 75	@ 5 00	3 75 @ 4 25	
" " German (Alsen).....	2 90 @ 3 25	3 00 @ 3 50	@ 3 20	Hemmoor 2 50 @ 2 75
" " (Fewer).....	2 25 @ 2 40		3 20 @ 3 40	2 75 @ 2 85
" " (Lagerdofner).....	2 50 @ 2 90			
" " (Dyckerhoff).....	2 60 @ 2 90	Cleopatra	2 40 @ 2 75	2 60 @ 2 75
" " (Hanover).....	2 50 @ 3 00	3 00 @ 3 50	3 25 @ 3 50	3 00 @ 3 25
" " Stettin, (Anchor).....	2 35 @ 2 85	Condor 2 50 @ 2 75	Not sold.	2 75 @ 2 85
" " American (Saylor's).....	2 15 @ 2 25	Wedge 2 40 @ 2 75	Not sold.	
Roman.....	2 75 @ 3 00	2 15 @ 2 50	2 60 @ 2 70	2 70 @ 3 00
Keene's coarse.....	4 50 @ 5 00	@ 3 50	2 75 @ 3 25	3 00 @ 3 50
" superfine.....	5 00 @ 5 50	@ 6 00	6 00 @ 7 00	6 50 @ 7 00
		7 00 @ 9 00	9 00 @ 10 50	8 00 @ 9 00
Lime:				
Lime of Tell.....	3 50 @ 4 00			
Hydraulic Lime.....	@ 1 45	@ 1 35	Not sold.	White Lime P bush
Chicago Lime in bulk.....		St. John 1 00	60 @ 70	25 @ 30
Wisconsin Lime.....	@ 80	@ 1 05	Not sold.	{ White Mash
Rockland and Rockport, (Com.).....	@ 95	@ 1 10	Not sold.	1 25 @ 1 50
Rockland and Rockport, finish.....	@ 1 20	@ 1 20	Not sold.	1 00 @ 1 00
Kelley Island Lime, finish.....	80 @ 85	Not sold.	1 00 bulk, 75c.	
State, com. cargo rates (nom.).....	1 05 @ 1 10	Not sold.	Not sold.	Not sold.
State, finishing.....	1 40 @ 1 50	1 85 @ 2 00	1 85 @ 1 90	1 50 @ 2 25
Plaster of Paris (calcined).....	@ 1 60	@ 2 25	1 85 @ 1 90	1 75 @ 2 50
" (casting).....	16 @ 18	25 @ 30	16 @ 20	20 @ 25
Hair (Cattle) P bush.....	18 @ 21	@ 30	30 @ 35	30 @ 35
" (Goat).....	1 00 @ 1 25	1 75 @ 1 90	@ 60	@ 1 50
Sand, P load.....				
STONE. (P cubic foot, rough.)				
Granite: (Maine)		@ 60		85 @ 95
Limestone:				
Bedford.....	45 @ 1 25	95 @ 1 00	50 @	75 @ 85
Joliet.....	1 00		35 @ 55	
Lemont.....			35 @ 60	Richmond 75 @ 1 50
Serpentine.....		10 50 per ton	@ 1 00	Parch 4 50 @ 5 50

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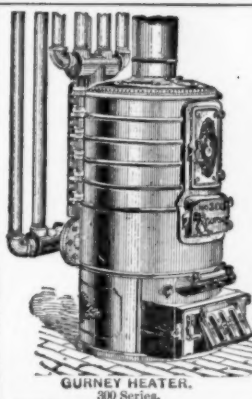
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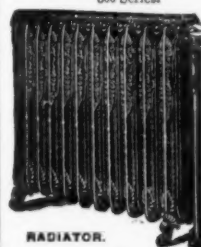
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Dimension.....	5 00 @ 500	4 60 @ 500	20 @ 500	5 00 @ 500
Blue.....	4 60 @ 500	4 60 @ 500	20 @ 500	5 00 @ 500
Rubble.....	1 25 @ 150	1 25 @ 150	8 50 @ 500	1 45 @ 250
Blue stone: (P sq. ft.)				
Sidewalk.....	30 @ 500	40 @ 175	75 @ 100	1 in. th. 10 @ 25
Planed.....	50 @ 600	@ 75	50 @ 100	37 @ 50
Sandstone:				
Longmeadow.....	@ 80	80 @ 90	@ 95	95 @ 105
Kibbe.....	@ 90	90 @ 110	@ 50	105 @ 125
Brown (Connecticut).....	1 00 @ 95	1 25 @ 145	1 50 @ 50	85 @ 95
Amherst Ohio.....	90 @ 95	90 @ 100	45 @ 55	85 @ 95
Berea.....	75 @ 100	85 @ 90	45 @ 55	85 @ 95
Berlin.....	75 @ 100	80 @ 90	55 @ 65	100 @ 110
Belleville.....	80 @ 125	1 25 @ 135	@ 125	105 @ 115
Carlisle, English.....	@ 100	75 @ 90	@ 95	125 @ 135
New Brunswick (Dorchester).....	@ 105	@ 105	@ 95	95 @ 105
Cazen.....	@ 105	@ 105	@ 95	95 @ 105
Corse Hill (Scotch).....	@ 105	@ 105	@ 95	95 @ 105
Marble: (P cu. ft.)				
Lee, Mass.....	@ 175 @ 250	Not Sold.	2 00 @ 250	2 00 @ 300
Rutland, white and blue.....	@ 300	3 50 @ 600	2 00 @ 300	2 00 @ 300
Sutherland Falls.....	1 25 @ 175	@ 200	3 50 @ 600	1 70 @ 300
Glens Falls, black.....	@ 200	Not Sold.	@ 400	4 00 @ 450
Italian, blue-veined.....	@ 200	Not Sold.	@ 400	2 50 @ 275
" Sienna.....	@ 200	Not Sold.	@ 400	@ 500
Tennessee, red.....	@ 200	@ 400	4 00 @ 600	8 25 @ 400
" Knoxville.....	@ 200	@ 400	3 00 @ 400	00 @ 465
Pennsylvania, blue.....	@ 200	Not Sold.	2 00 @ 300	5 50 @ 800
Vermont, white.....	@ 200	3 50 @ 600	2 25 @ 300	6 00 @ 675
Slate: Roofing (P square).....				
" green.....	5 00 @ 600	4 75 @ 525	5 50 @ 610	2 30 @ 300
" unfading.....	5 00 @ 600	5 50 @ 650	6 50 @ 710	3 25 @ 375
" purple.....	5 00 @ 600	5 50 @ 650	6 50 @ 710	3 50 @ 450
" red.....	@ 1000	10 00 @ 1100	12 00 @ 1400	1 50 @ 1025
" black, Lehigh.....	4 25 @ 475	@ 800	6 25 @ 685	8 25 @ 400
" Chapmans.....	5 50 @ 800	5 50 @ 800	7 30 @ 800	00 @ 465
" Unfading black, Monson, Me.....	@ 800	Not Sold.	6 00 @ 900	5 50 @ 800
Tiles, Am.....	@ 800	@ 800	Not Sold.	@ 2500
N. Peach Bottom, warranted unfading.....	@ 800	@ 800	@ 800	6 00 @ 675
PAINTS. (In Oil P lb.)				
White lead, Am.....	7 @ 74	6 @ 7	7 @ 74	@ 74
" sine.....	5 @ 84	6 @ 7	5 @ 104	@ 74
Red lead, Am.....	6 @ 104	6 @ 7	6 @ 7	@ 74
" Venetian.....	65 @ 70	70 @ 5 dry	65 @ 68	dry Eng. @ 76
" Vermillion.....	12 @ 20	12 @ 20	12 @ 20	Eng. 6 @ 7
" Indian, Eng.....	6 @ 15	7 @ 12	3 @ 15	dry Am. @ 14
Yellow Ochre.....	12 @ 20	18 @ 25	15 @ 25	@ 18
" Chrome.....	8 @ 13	8 @ 20	8 @ 20	@ 21
Green (chrome).....	25 @ 40	25 @ 40	18 @ 35	@ 20
Black, lamp.....	15 @ 25	15 @ 25	8 @ 30	@ 12
Blue, ultramarine.....	12 @ 18	18 @ 30	12 @ 35	@ 24
Oil, linseed, (raw).....	55 @ 62	51 @ 52	57 @ 60	@ 60
" boiled.....	58 @ 65	54 @ 55	60 @ 63	@ 63
Turpentine.....	36 @ 37	150 @ 600	125 @ 200	@ 44
Varnish, coach.....	@ 300	2 50 @ 300	2 25 @ 400	125 @ 300
Shellac.....	@ 300	2 @ 4	2 @ 24	150 @ 300
Putty.....	7 @ 100	1 @ 14	1 @ 14	2 @ 24
Whiting.....	1 30 @ 200	2 @ 3	1 @ 2	1 @ 2
Paris white, (Eng).....	5 @ 6	6 @ 7	6 @ 7	1 @ 74
Litharge, Am.....	14 @ 20	14 @ 20	4 @ 16	4 @ 14
Sienna (burnt).....	14 @ 20	14 @ 20	2 @ 10	2 @ 13
Umber.....	14 @ 20	14 @ 20		
HARDWARE.				
Nails: (Per Cask.) Spikes, (wrought).....	@ 285	@ 220	2 35 @ 350	per keg @ 225
10d. common.....	@ 260	@ 265	@ 195	@ 230
Shingle.....	@ 335	@ 320	@ 235	@ 260
Lath.....	@ 485	@ 320	@ 325	@ 475
(Finishing nails according to size).....	@ 485	@ 320	Add .85 to \$2.25	per lb 4 @ 6
(For casing nails add 75 c. per keg).....	@ 485	@ 320	..50 to .90	Add per cask 2 90 (all kinds.)
Butts: 4" x 4" (P doz. pairs).....	@ 100	@ 120	@ 90	@ 90
Plain.....	@ 150	@ 175	Not Sold.	1 35 @ 200
Japaned.....	@ 150	@ 190	2 00 @ 375	1 35 @ 275
Acorn, Japaned.....	@ 65	@ 50	Not Sold.	45 @ 50
Bail Tip, Boston Finish..... (P pair).....	@ 190	plain 1 65	2 00 @ 325	@ 125
Bronze metal.....	@ 10	@ 10	@ 12	@ 100
Brass (for cupboards).....	@ 10	@ 10	@ 12	@ 35
Ebony.....	@ 10	@ 10	@ 12	37 @ 100
Apple wood.....	@ 10	@ 10	@ 12	@ 08
Knobs: (P set).....	@ 8	@ 8	8 @ 10	Not Sold.
Mineral, best.....	@ 50	@ 75	65 @ 80	25 @ 50
Lava.....	Not Sold.	17 @ 35	31 @ 40	@ 25
Hemacite.....	@ 30	@ 10	25 @ 30	1 00 @ 250
Porcelain.....	@ 50	@ 50	Not Sold.	1 75 @ 200
Glass, solid.....	Not Sold.	88 @ 100	@ 150	50 @ 350
Glass, silvered.....	Not Sold.	50 @ 300	50 @ 300	75 @ 125
Bronze metal.....	75 @ 200	50 @ 300	100 @ 300	134 @ 16
Brass.....	1 00 @ 250	50 @ 300	14 @ 16	6 @ 6
Solder:				
Sheet Lead.....	@ 74	@ 74	5 @ 6	
Lead Pipe.....	@ 64	@ 64		
Iron:				
1-Beams, up to and including 30 ft.....	3 3-10 @ 34	@ 34-10	@ 28-10	@ 28-10
do. over 30 ft., 1 c. adv. for every 5 ft.	3 3-10 @ 34	@ 34-10	2 50 @ 275	@ 28-10
Channel Beams.....	3 3-10 @ 34	@ 34-10	50 @ 275	@ 28-10



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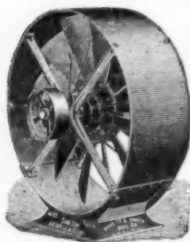
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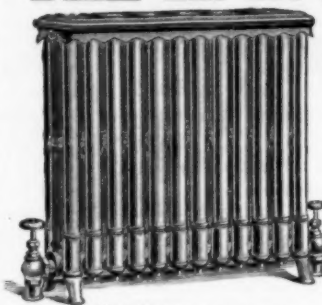
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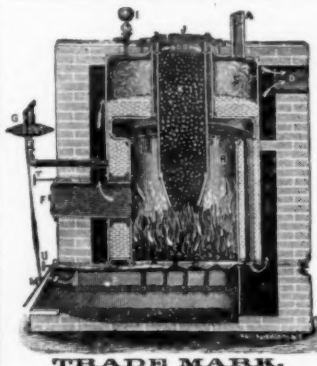
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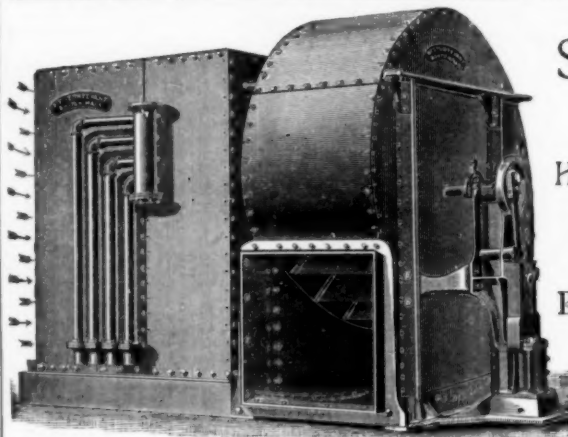
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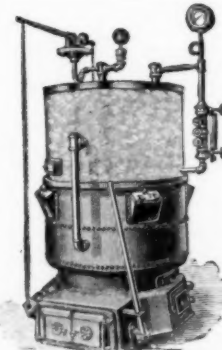
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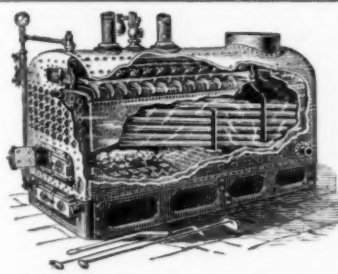
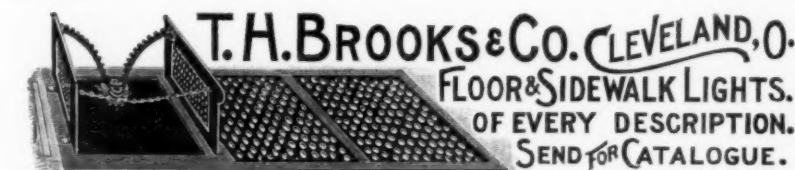
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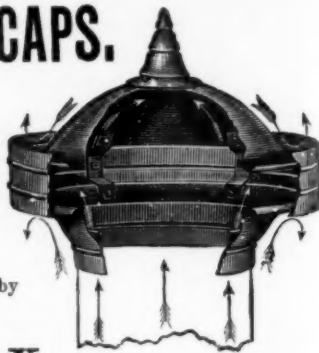
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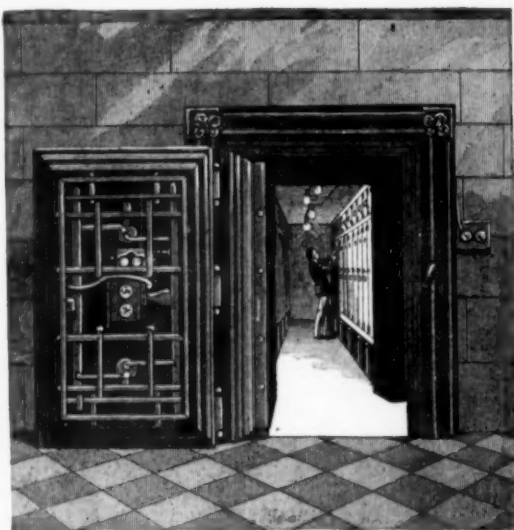
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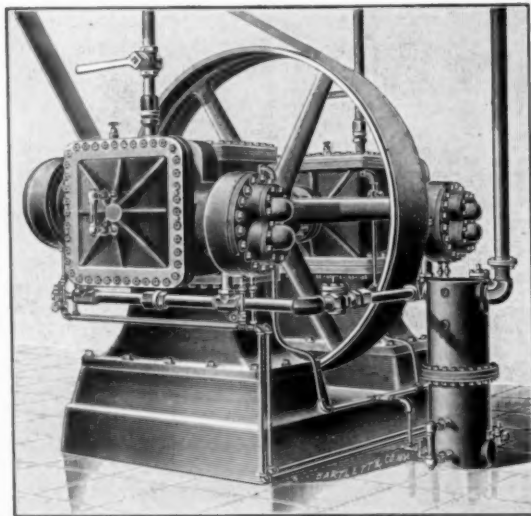
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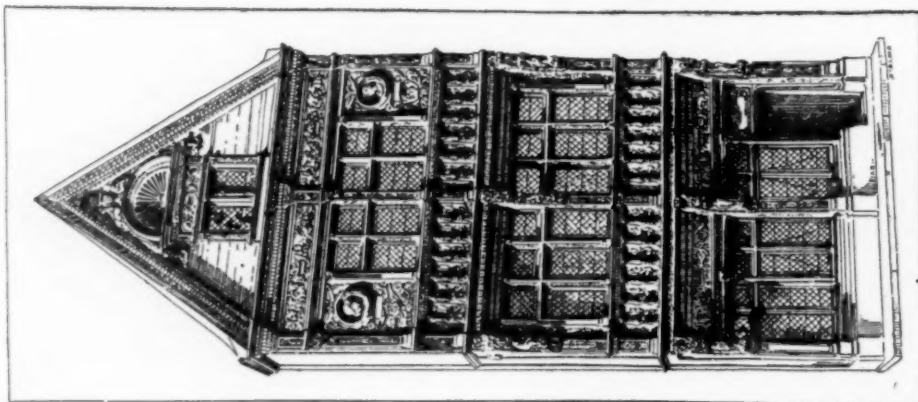
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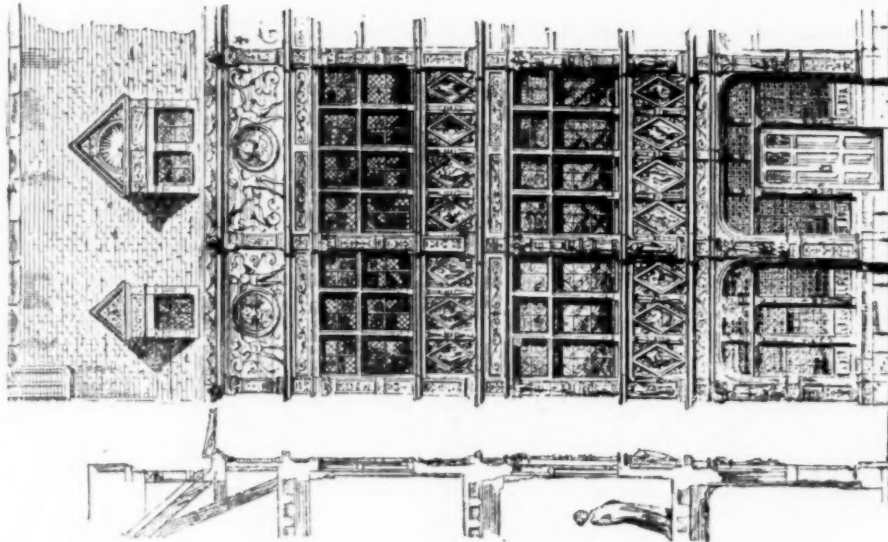
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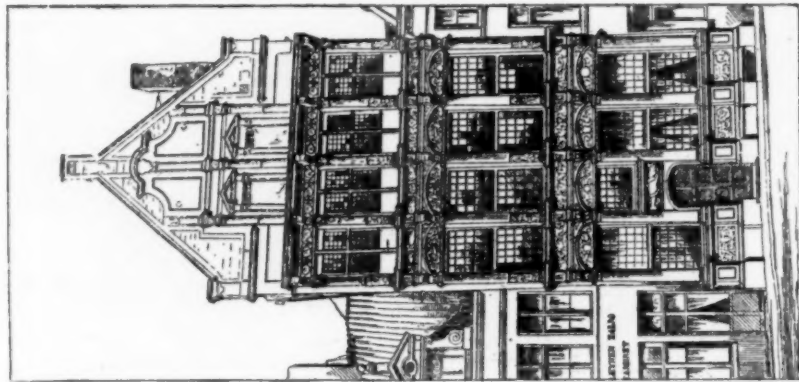
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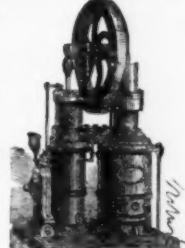
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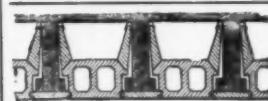
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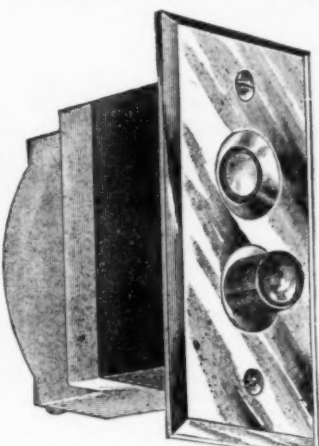
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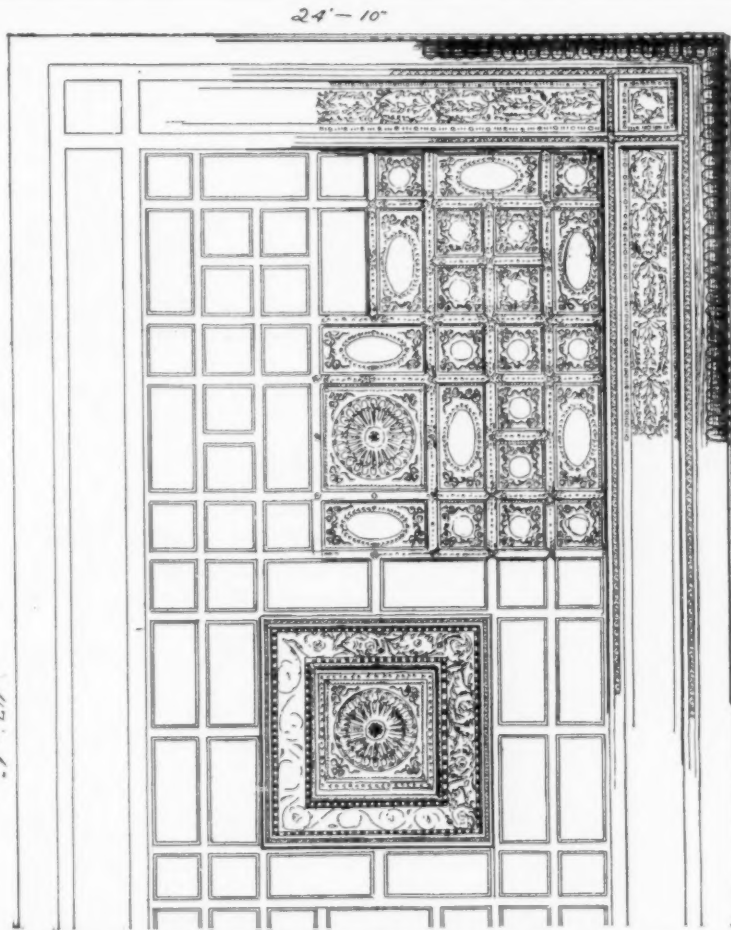
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Carwithian St., s e cor. Donaldson St., two-sty brick dwell.; builder, W. D. Kunkle, 5558 Race St.
Orr St., rear 723 Shirley St., two-sty brick dwell.; builder, Frank S. Riggs, 338 South Thirteenth St.
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Mild St., n s, e Chew St., two-sty brick dwell.; builder, Albert Hamilton, Chelton Ave. and Weiss St.
Ritner St., s s, w Weccacoe St., two-sty brick dwell.; owner, Geo. Phillips, Martinsville.
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Franklin St., e s, s Indiana Ave., 6 two-sty brick dwell.; owners, Woolfe & Schminck, 614 West Cambria St.
Bolton St., n s, w Pechin St., 4 two-sty brick dwell.; builders, Wright & Dager, 607 Jefferson St.
Magnet St., e s, n Gray St., 4 three-sty brick dwell.; builders, Wright & Dager, 607 Jefferson St.
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Windrim St., e s, n Clearfield St., 27 two-sty brick dwell.; builder, C. W. Cox, 902 Cooper St.
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Hale St., No. 1730, three-sty brick dwell.; builder, Alfred Kahurt, 1714 North Third St.
Jackson St., w Tenth St., 13 three-sty brick dwell.; builder, L. P. Simpson.
Buist Ave. and Seventy-seventh St., two-sty brick dwell.; builder, Thos. Tarbottom, Seventh and Pine Sts.
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Moyamensing Ave., e s, s Dickinson St., three-sty brick dwell.; owner, James Lilly, 1222 Snyder Ave.
K St., e s, s Venango St., 2 two-sty brick dwell.; builder, Geo. Strout, 1815 Whensley St.
Forty-first St., w s, w Girard Ave., 3 three-sty brick dwell.; owner, W. T. Field, 905 North Forty-second St.
Baring St., s e cor. Thirty-sixth St., three-sty brick dwell.; builders, Wm. Steele & Son, 506 Walnut St.
Marshall St., e s, n Cambria St., 3 two-sty brick dwell.; builder, Chas. A. Heinke, 541 West Lehigh Ave.
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Emily St., s e cor. Fifteenth St., two-sty brick dwell.; J. B. T. Johnson, 1429 South Fourth St.
Seventy-fifth St., e s, s Buist Ave., 2 three-sty brick dwell.; owner, J. Edwin Jones, s e cor. Buist Ave. and Seventy-fifth St.
Forty-eighth St., w Warrington St., 12 three-sty brick dwell.; owner, Chas. W. Budd, 1821 Spring Garden St.
Front St., w s, s Westmoreland St., two-sty brick dwell.; builder, Frank Deitrich, 2677 Frankford Ave.
Thompson St., s e, w Irving St., two-sty brick dwell.; builder, Fred. Brenninger, Salmon below Buckins St.
Anne St., No. 2628, two-sty brick dwell.; builder, A. McClay, 3028 Richmond St.
Moyamensing Ave., s e cor. Wharton St., two-sty brick dwell.; builder, A. C. McGill, 236 Pine St.
Salmon St., w s, s Lepenere St., two-sty brick dwell.; builder, L. Ahlers, 4489 Salmon St.
Woodbine St., n s, e Boyd St., 2 two-sty brick dwell.; builder, Chas. S. Johnson, 429 East Chelton Ave.
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Atlantic St., n e s Twenty-third St., 2 three-sty brick dwell.; builder, Judson M. Uzane, 2116 Venango St.
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Thirtieth St., e s, n Fletcher St., 3 three-sty brick dwell.; builder, E. S. Davis, 2911 Diamond St.
Powelson Ave., s e cor. Spangler St., 4 three-sty brick dwell.; owner, Jas. S. Conley, Manheim St. below Pulaski Ave.
Amber St., e s, s Clearfield St., 3 two-sty brick dwell.; owner, W. D. Huston, 2517 North Sixth St.
Evans St., w s, s Clearfield St., 3 two-sty brick dwell.; owner, W. D. Huston, 2517 North Sixth St.
Tulip St., w s, n Vankirk St., 2 three-sty brick dwell.; builder, H. P. Castor, 5811 Torresdale Ave.
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Central St., near Medford St., frame dwell.; owner, Chas. W. Colman; builder, A. M. Godfrey.
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Jenny Lind Ave., near Medford St., frame dwell.; owner, Josephine Sheahan; builder, Daniel F. McAdams.
Hathorn St., frame dwell.; owner, C. Bowiby; builder, J. O. Bowiby.
Medford St., near Washington St., frame dwell.; owner, John Manning; builder, Sylvester Woods.
Paré St., frame dwell.; owner, Michael J. McCarthy; builder, Edmond J. Cogan.
Trull St., frame dwell.; owner, Maurice Buttner; builder, A. M. Moore.
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Two-sty dwell., w s Indiana St., bet. Utah and Wyoming Sts.; cost, \$7,000; owner, Mr. Harnisch; contractor, H. Reidman.
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Two two-sty dwells., n s Clemens St. bet. Belt and Clara Aves.; cost, \$5,000; owner and builder, Thos. Manning.
Two-sty dwell., s s Bailey St. bet. Groves and Flannigan Aves.; cost, \$3,000; owner and builder, F. W. Geise.
Five two-sty dwells., e s Euclid St. bet. Maffit and Labadie Aves.; cost, \$10,000; owners and builders, Banker & Edwards.

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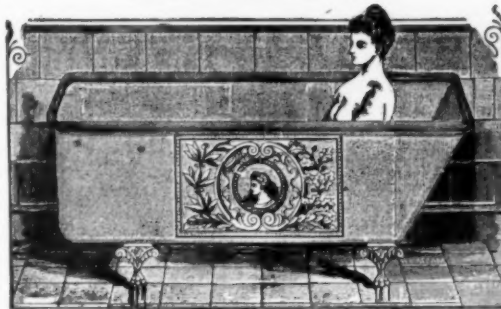
Riverside, N. J. — Two-sty brick and stone school-house; architect, Robert K. Marple, 708 Walnut St., Philadelphia, Pa.

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(Stables Continued.)

Hutchings St., rear, near Humboldt Ave., Ward 21, frame stable, 28' x 30'; owner, A. B. Fitch.
Sparrow St., near Shaw St., Ward 23, frame stable, 16' x 20'; owner, W. E. Flagg; builder, W. S. Mitchell.
Culder St., near Blue Hill Ave., Ward 23, frame stable, 18' x 24'; owner, J. C. Cameron.
Dunstable St., No. 3, Ward 5, frame stable, flat roof, 40' x 50'; owners, S. B. Wiley & Sons; builder, J. C. Shaw.
Birch St., rear, near Chapman Ave., Ward 24, frame stable, 16' x 20'; owner, Mrs. A. M. Miller; builder, J. C. Mellen.

Brooklyn, N. Y. — Lafayette St., s s, 100' w Raymond St., two-sty brick stable and dwell., tin roof; cost, \$5,000; owner, T. M. Farley, Hoyt and Third Sts.

Fulton St., s s, 110' w Brooklyn Ave., two-sty brick stable and dwell., tin roof; cost, \$5,250; owner, J. R. Crossley, 1412 Fulton St.; architects, Weeks & Lawler, 2150 Fulton St.

Chicago, Ill. — E. A. King, livery barn, 128 West Washington St.; cost, \$3,000.
H. C. Levi, two-sty barn, 6425 Drexel Boulevard; cost, \$3,000.

New York, N. Y. — West One Hundred and Thirty-fourth St., No. 318, five-sty brick stable, tin roof; cost, \$14,000; owner, A. B. Styles, 239 West One Hundred and Thirty-fourth St.; architect, Julius Munkowitz, 247 West One Hundred and Twenty-fifth St.

Seventy-Seventh St., 299' w Amsterdam Ave., five-sty brick stable, tin roof; cost, \$23,500; owner, John L. Miller, 125 Western Boulevard; architect, Julius Munkowitz, 247 West One Hundred and Twenty-fifth St.

STORES.

Atlantic City, N. J. — Two-sty brick store; builders, Young & Thompson; owner, Peter Majane.

Boston, Mass. — Blue Hill Ave., near Edgewood St., Ward 21, one-sty frame store, flat roof, 80' x 50'; owner and builder, Bernard Foley.

Brooklyn, N. Y. — North Eighth St., s w cor. Havemeyer St., three-sty frame store and dwell., tin roof; cost, \$5,000; owners and builders, Haar & Collins, 154 South Fourth St.; architect, H. Vollweiler, 483 Hart St.

Evergreen Ave., e s cor. Van Voorhis St., 4 three-sty frame stores and dwells., tin roofs; cost, \$5,000 each; owner, Ch. A. Wehr, 1327 Bushwick Ave.; architect, B. Finkensieper, 93 Broadway.

Ralph Ave., s w cor. Park Pl., three-sty frame store and dwell., tin roof; cost, \$3,000; owner, H. Mahuken, Vanderbilt and Atlantic Aves.; architect, Hugo Smith, 10 Moore St.

Hamrod St., n s, 100' w Irving Ave., 3 three-sty frame stores and dwells., tin roofs; cost, \$3,500 each; owner and builder, Louis Jaack, 1447 De Kalb Ave.; architect, Hugo Smith, 10 Moore St.

Grand St., n s, 200' e Olive St., three-sty frame store and dwell., tin roof; cost, \$3,500; owner, M. Swandel, 127 Grand St.; architect, Hugo Smith, 10 Moore St.

Stockholm St., n s, 102' w Wyckoff Ave., 2 three-sty frame stores and dwells., tin roofs; cost, \$4,000 each; owner and builder, August Huber, 900 Flushing Ave.; architect, Hugo Smith, 10 Moore St.

Ralph Ave., s w cor. Park Pl., three-sty frame store and dwell., tin roof; cost, \$3,000; owner, H. Mahuken, Vanderbilt and Atlantic Aves.; architect, Hugo Smith, 10 Moore St.

Central Ave., e s, 82' n Covert St., three-sty frame store and dwell., tin roof; cost, \$3,500; owner and builder, M. Moran, 783 Lexington Ave.; architects, I. D. Reynolds & Son, 363 Fulton St.

Chicago, Ill. — Stanislaus Brederman, four-sty store and flats, 3157 Uhlman St.; cost, \$10,000.

Frank Teuber, four-sty store and flats, 428 North Ashland Ave.; cost, \$8,000.

Henry Hopper, 2 three-sty stores and flats, 325-327 Wabansia Ave.; cost, \$10,000.

BUILDING INTELLIGENCE.

(Stores Continued.)

John Pedgraft, three-sty store and flats, 147-149 Diversy St.; cost, \$6,000.

James Rada, four-sty store and flats, 36 Zion Pl.; cost, \$8,000.

Adolph Schoeniger, 8 four-sty stores and flats, Evanston Ave. and Melrose St.; cost, \$88,000.

Rosalie Spier, four-sty store and flats, 1033 Milwaukee Ave.; cost, \$12,000.

Stophers Czackonski, four-sty store and flats, 3216 Laurel St.; cost, \$6,000.

B. Kruze, two-sty store and flats, 6201 Sangamon St.; cost, \$4,500.

G. Sippach, three-sty store and flats, 903 Clybourn Ave.; cost, \$6,000.

Cincinnati, O. — George Dean Estate, six-sty brick and stone store and warehouse, n w Pearl St.; cost, \$21,000; architects, Sam. Hannaford & Son.

New York, N. Y. — Park Ave., No. 1071, one-sty brick store, tin roof; cost, \$35,000; owners, Georgy & John F. Theiss, 133 East Thirtieth St.; architect, Bruno W. Berger, 104-106 Bible House.

Crosby St., No. 85, six-sty brick store, tin roof; cost, \$25,000; owner, George C. Williams, 270 Broadway; architect, S. A. Warner, 132 Broadway.

Washington St., No. 522, five-sty brick store, metal roof; cost, \$20,000; owner, Jeremiah M. Redley, 293 State St.; architects, John B. Snook & Son, 12 Chamber St.

Washington St., Nos. 542-548, five-sty brick store, plastic slate roof; cost, \$10,000; owner, Frederick de P. Foster, 23 Fifth Ave.; architect, Frederick Jacobson, 96 Maiden Lane.

Thirteenth Ave., n w cor. Fifth Ave., seven-sty brick store, tin roof; cost, \$120,000; owner, Ottinger & Korn, 37 East Seventy-fourth St. and 20 East Seventieth St.; architect, Cleverdon & Putzell, 13 Astor Pl.

Philadelphia, Pa. — Market St., No. 3734, two-sty brick store; builder, Frank H. Vogdes, 3907 Aspen St.

North Eleventh St., No. 20, four-sty brick store; Geo. L. Sipps, 212 South Seventh St.

Main St., s e cor. Levering St., brick store; builder, Frank Gillette, 200 Ripka St.

Filbert St., No. 1305, one-sty brick store; builders, McKee Bros., 19 South Thirtieth St.

Twenty-second St., w s Cambria St., two-sty brick store; builder, Edwd. McShane, 1917 Bristol St.

North Tenth St., Nos. 240-242, seven-sty store; owners, Samuel Loux & Sons, 1022 Ridge Ave.

St. Louis, Mo. — Three-sty brick store and dwell., w s Ohio St., bet. Chippawa and Winebago Sts.; cost, \$4,000; owner, Louis Grund; contractor, Jos. Voek.

Two sty store and dwell., n w cor. Michigan St. and Bowan Ave.; cost, \$7,000; owner, Hy. Cunningham; contractor, J. B. Lowe.

Two stores and dwells., s s Olive St., bet. Moire and Grand Aves.; cost, \$6,500; owner, Martin Collins; contractors, Benj. Lynd & Co.

TENEMENT-HOUSES.

Boston, Mass. — Harrison Ave., Nos. 932-938 and 928-930, Ward 20, three-sty brick tenements and store, flat roofs, 19.8' x 40, 30.3' x 40' and 21' x 40'; owner, A. D. Puffer.

Parker St., No. 711, Ward 22, four-sty brick tenement, flat roof, 25.6' x 48.2'; owner, P. T. Hanley.

Tremont St., No. 1460, Ward 22, four-sty brick tenement, flat roof, 43.8' x 70'; owner, P. T. Hanley.

Cross St., Nos. 42-50, Ward 7, 2 four-sty brick tenements, flat roofs, 40' x 50'; owners, B. Finkelstone and Lipsky.

Brighton St., Nos. 127-133, Ward 8, 4 four-sty brick tenements, 19' x 50' and 19' x 54'; owner, Etta Lebowich.

Taft St., Nos. 15-33, Ward 3, 10 four-sty brick tenements, flat roofs, 20.9' x 40'; owner, James W. Tufts.

South Margin St., Nos. 7-9, Ward 7, four-sty brick tenements, flat roof, 38' x 51'; owner and builder, J. Cohen.

(Tenement-Houses Continued.)

East Newton St., Nos. 101-107, Ward 18, 4 four-st'y brick tenements and stores, flat roofs, 20' x 46'; owner, Mary Adams; builder, M. A. Parsons.
Salem St., near Parmenter St., Ward 6, 2 brick tenements and stores, flat roofs, 42' 6" x 92', 42' 6" x 103'; owners, Mark Lewis and Myer Berman.

THEATRES.

Renovo, Pa. — Opera-house; cost about \$20,000.

WAREHOUSES.

Philadelphia, Pa. — Manayunk St., two-st'y warehouse to the Arcola Mills; owner, Joseph M. Adams.
St. Louis, Mo. — Warehouse, s s Olive St., bet. Sarah and Whittier Sts.; cost, \$10,000; owners, Scott & Lynch; contractor, Duffrees.

MISCELLANEOUS.

Boston, Mass. — Cambridge St., near Charles River, Ward 25, 2 one-st'y brick governor-house and boiler-house, pitch roofs, 19' x 28' and 14' x 14'; owners and builders, Brookline Gaslight Co.

A St., Nos. 287-291, Ward 13, one-st'y brick machine shop, flat roof, 105' x 187'; owners, A. & J. M. Anderson.

Concor St., No. 93, Ward 1, frame mechanical building, flat roof, 30' x 50'; owners, G. H. Gibby and Victor Swanson; builders, Gibby & Swanson.

Brooklyn, N. Y. — Pearl St., No. 366, three-st'y brick power-house, gravel roof; cost, \$50,000; owners, Edison Electric Illuminating Co., 300 Pearl St.; architect, Geo. L. Morse, Eagle Building.

Quincy St., Nos. 84-86, three-st'y brick parish house, tin roof; cost, \$10,000; owners, Church of Reformation, 239 Gates Ave.; architects, Dehle & Chamberlain, 874 Broadway; builder, J. Dall, 635 Lexington Ave.

Chicago, Ill. — S. A. McLennon, 4 one-st'y sheds, 6315-6343 Cottage Grove Ave.; cost, \$3,000.

D. H. & H. L. Kochersperger, four-st'y livery barn, 50-52 East Thirty-ninth St.; cost, \$22,000.

Cincinnati, O. — Cincinnati Street R. R. Co., brick and stone power-house, s w Patterson St.; cost, \$2,500; architect, Bert Baldwin.

Ocean Grove, N. J. — Auditorium for Camp Meeting Association.

Philadelphia, Pa. — Scattergood St., No. 2215, one-st'y brick shop; builders, Ellison Bros., 2213 Bridge St.

Front St., w s n Westmoreland St., three-st'y brick patrol station; builders, K. C. Ballinger & Co., 218 North Thirteenth St.

Chestnut St., s w cor. Thirtieth St., two-st'y brick saloon; builders, F. M. Harris & Co., 1611 Filbert St.

Girard College Grounds, one-st'y brick filter house; builders, B. Ketcham & Sons, 1029 Brown St.

Broad St., s w cor. Washington Ave., four-st'y brick and stone building for the United States Marine Corps to use as a furnishing depot and manufacturing department; architect, Samuel Milligan, 520 Walnut St.; builder, Henry C. Dahl, 408 South Fifth St.

Market St., Nos. 1220-22, six-st'y stone, brick and terra-cotta building; architect, W. H. MacCollin, 913 Walnut St.

Huntingdon St., n w cor. Braddock St., brick dye-house; builders, McCartney & Oler, 2355 East Dauphin St.

Cherry St., s w cor. Twenty-second St., two-st'y brick building; builder, E. S. Carlin, 20 North Seventh St.

Ninth St., e s Spruce St., two-st'y stone and brick boiler-house for the Pennsylvania Hospital.

Broad St., n e cor. Olive St., two-st'y hall and market building; builders, Wm. Steele & Son, 506 Walnut St.

Market St., n w cor. Tenth St., seven-st'y brick business house; owner, C. C. Harrison; architects, Cope & Stewardson, 316-20 Walnut St.

Laboratory building for the University of Pennsylvania; builder, Jacob Myers.

Chestnut and Thirty-fourth Sts., photo gallery; owner, Jacob Jones, 112 South Thirty-third St.

Seranton, Pa. — Stone and brick building for the Thirteenth Regiment Armory; architect, Lansing C. Holden, 3 Union Square, N. Y.

St. Louis, Mo. — Club-house, s s Lafayette Ave., bet. Jefferson Ave. and Waverly Pl.; cost, \$40,000; owners, Union Club Building Association; contractor, A. E. Cook.

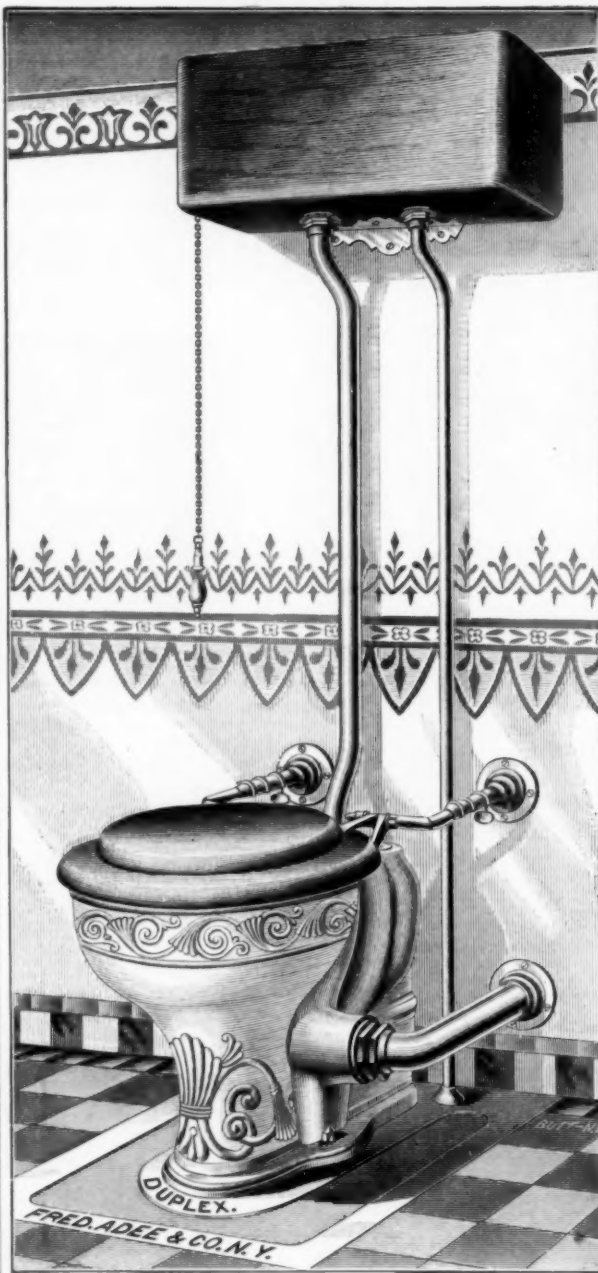
Worcester, Mass. — West Boylston St., one-st'y green-house; owner, D. S. Scott; day work.

PROPOSALS.

Treasury Department, Office Supervising Architect, Washington, D. C., June 26, 1893. Sealed proposals will be received at this office until 2 o'clock P. M. on the 21st day of July, 1893, and opened immediately thereafter, for the iron stairs and the interior iron and copper work for the United States Post-office, Court-house, etc., building at Troy, N. Y., in accordance with the drawings and specification, copies of which may be had at this office or the office of the Superintendent at Troy, N. Y. No convict labor nor any product of convict labor will be allowed in the work. Each bid must be accompanied by a certified check for a sum not less than two per cent of the amount of the proposal. The Department reserves the right to reject any or all bids, or to waive any defect or informality in any bid, should it be deemed in the interest of the Government to do so. All bids received after the time stated for opening same will be returned to the bidders. Proposals must be enclosed in envelopes sealed and marked "Proposal for the Iron Stairs and the Interior Iron and Copper Work for the United States Post-office, Court-house, etc., at Troy, N. Y." and addressed to JEREMIAH O'ROURKE, Supervising Architect. 915

Treasury Department, Office Supervising Architect, Washington, D. C., June 23, 1893. Sealed proposals will be received at this office until 2 o'clock P. M. on the 18th day of July, 1893, and opened immediately thereafter, for all the labor and material required for the approaches to the United States Court-house and Post-office, Troy, N. Y., in accordance with the drawings and specification, copies of which may be had at this office or the office of the Superintendent at Troy, N. Y. No convict labor nor any product of convict labor will be allowed in the work. Each bid must be accompanied by a certified check for a sum not less than two per cent of the amount of the proposal. The right is reserved to reject any and all bids, or to

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PROPOSALS.

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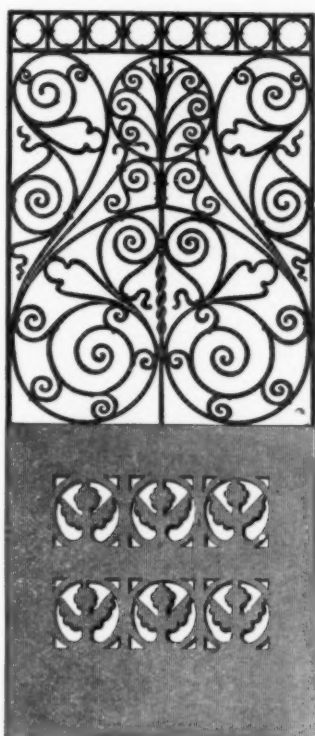
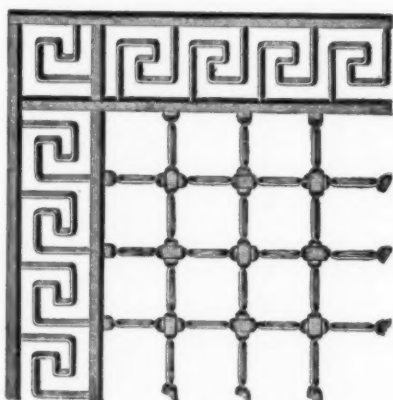
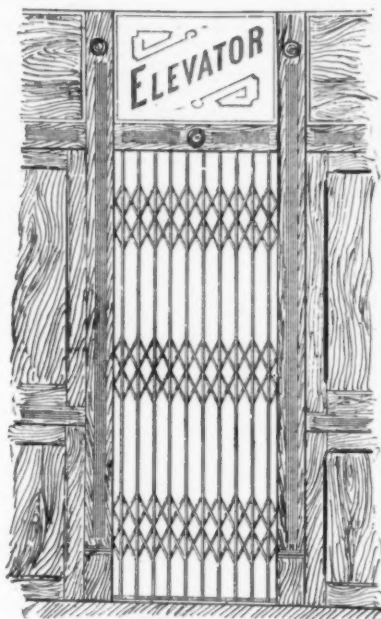
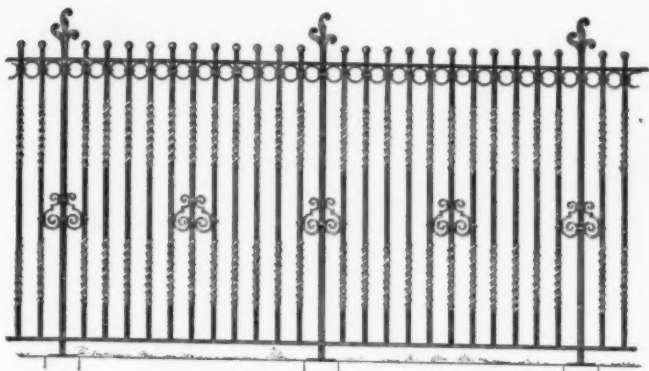
Treasury Department, Office of the Supervising Architect, Washington, D. C., June 23, 1893. Sealed proposals will be received at this office until 2 o'clock P. M. on the 20th day of July, 1893, and opened immediately thereafter, for all the labor and materials required for the cut stone-work and brick-work of the superstructure of the United States Court-house, Custom-house and Post-office building at Omaha, Nebraska, in accordance with the drawings and specification, copies of which may be had at this office or the office of the Superintendent at Omaha, Nebraska. No convict labor nor the use of any product of convict labor will be allowed in the work. Each bid must be accompanied by a certified check for a sum not less than two per cent of the amount of the proposal. The right is reserved to reject any or all bids, or to waive any defect or informality in any bid, if it be deemed in the interest of the Government to do so. All proposals received after the time stated will be returned to the bidders. Proposals must be enclosed in envelopes sealed and marked "Proposal for the Cut Stone-work and Brick-work of the Superstructure of the United States Court-house, Custom-house and Post-office building at Omaha, Nebraska," and ad-

PROPOSALS.

dress to JEREMIAH O'ROURKE, Supervising Architect. 915

Treasury Department, Office Supervising Architect, Washington, D. C., June 16, 1893. Sealed proposals will be received at this office until 2 o'clock P. M. on the 12th day of July, 1893, and opened immediately thereafter, for all the labor and materials required for the interior finish and plumbing of the United States Court-house and Post-office at Springfield, Mo., in accordance with drawings and specification, copies of which may be had at this office or the office of the Superintendent at Springfield, Mo. Each bid must be accompanied by a certified check for a sum not less than two per cent of the amount of the proposal. The right is reserved to reject any and all bids, and to waive any defect or informality in any bid, should it be deemed in the interest of the Government to do so. All bids received after the time stated will be returned to the bidders. Proposals must be enclosed in envelopes sealed and marked "Proposal for the Interior Finish and Plumbing of the United States Court-house and Post-office at Springfield, Mo.," and addressed to JEREMIAH O'ROURKE, Supervising Architect. 914

United States Engineer Office, Mobile, Ala., June 10, 1893. Sealed proposals for improvement of Mobile Harbor, Ala., dredging in Mobile River, Ala., will be received at this office until 12 M. July 11, 1893, and then publicly opened. Specifications, blank forms and all available information will be furnished on application to this office. A. N. DAMRELL, Major of Engineers, U. S. A. 915



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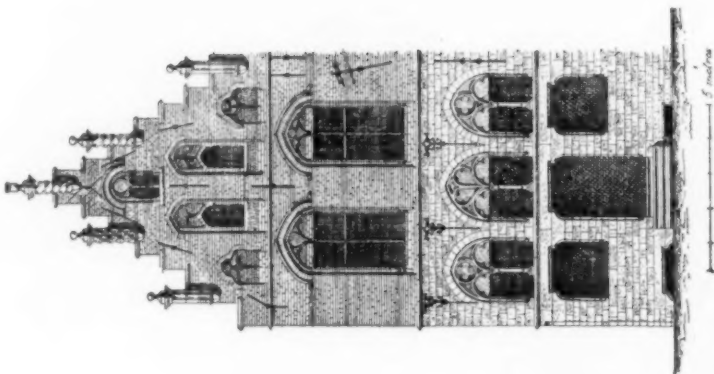
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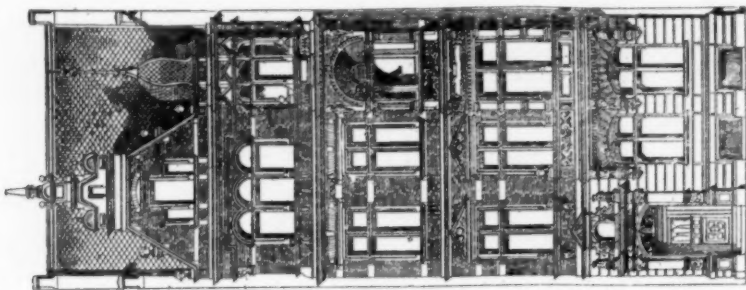
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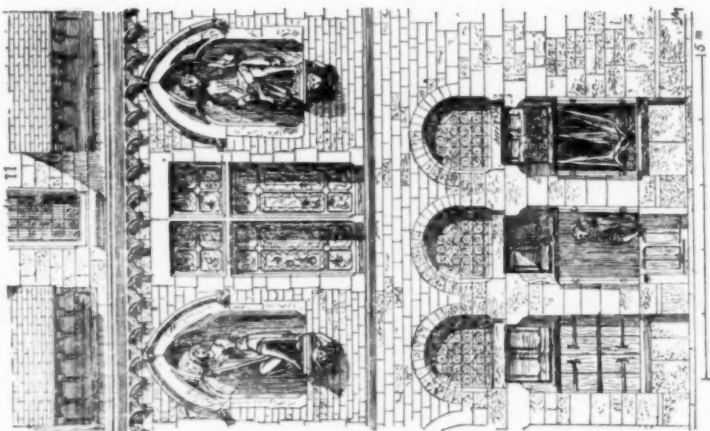




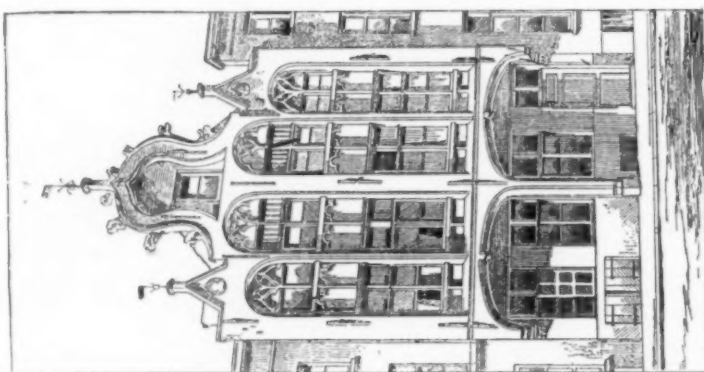
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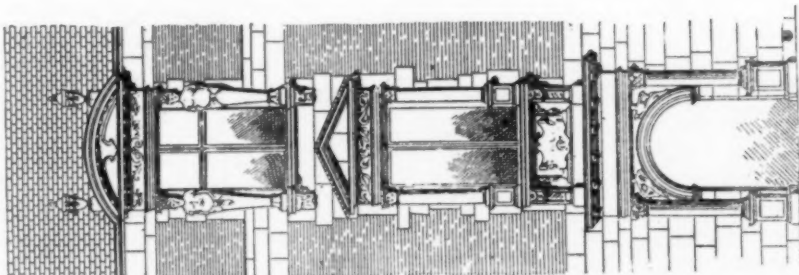
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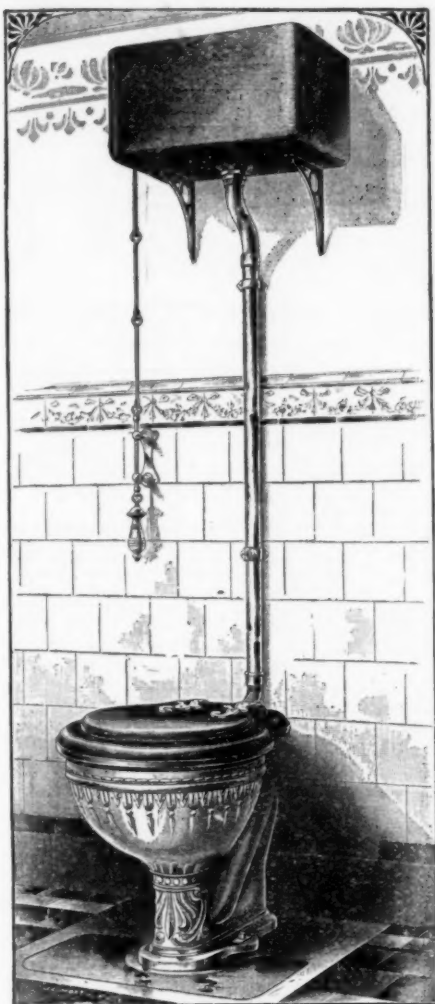


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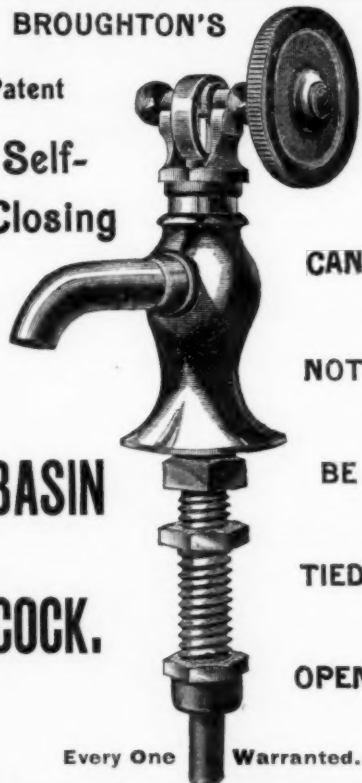
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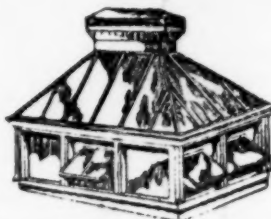
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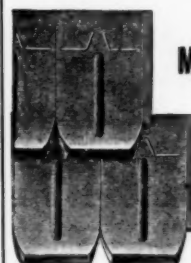
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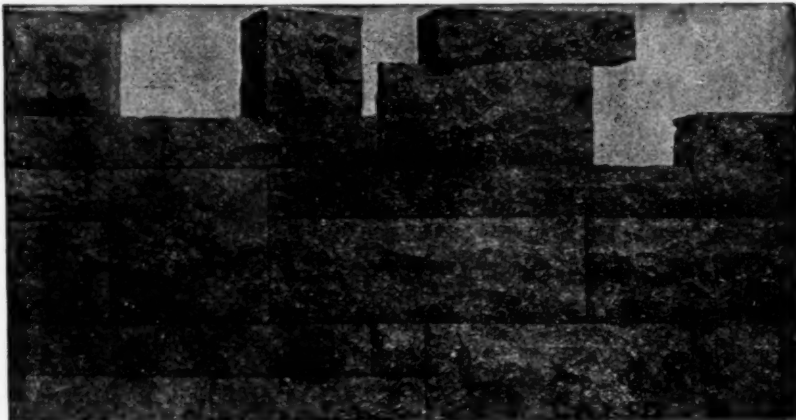
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[Advertisers can be indexed only under a single head free of charge].

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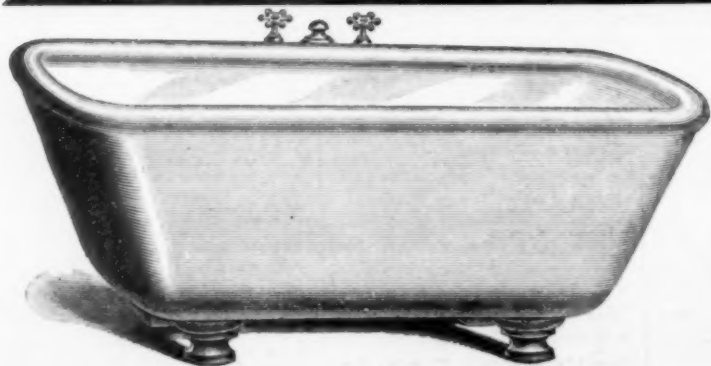
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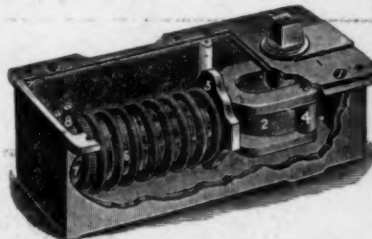
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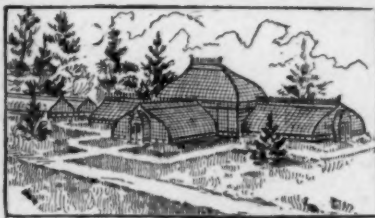
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NEW YORK MASTIC WORKS, 35 Broadway, New York.

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Hardwood and TILE-LINED Household
REFRIGERATORS AND COOLING ROOMS.
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Union Square (North Cor.), Broadway, New York
MANTELS { Carefully made of Selected Woods and
of Exclusive Designs.



FIREPLACES { In Gilt, Silver Bronze, Brass,
Royal Copper, Etc.
*Portable Grate Baskets, Andirons, Gas Logs,
Fenders, Fire Sets, Bellows, Wood Holders,
and other*

HOUSEHOLD ART GOODS.

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74 West 23d St., New York. Manufacturer.



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Rolling Venetian Blinds.

Rolling Partitions.

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EXHIBITION OF 1862, 1865, 1867, 1872, 1873, AND ONLY AWARD AND MEDAL FOR
NOISELESS, SELF-COLLING STEEL SHUTTERS AT PHILADELPHIA,
1876; PARIS, 1878; AND MELBOURNE, 1881.

CLARK, BUNNETT & CO. (Limited)

Late CLARK & COMPANY,
ORIGINAL INVENTORS AND SOLE PATENTERS OF NOISELESS
Self-Colling, Revolving **STEEL SHUTTERS** Fire & Burg-
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Also Improved Rolling Wood Shutters, and Clark's Patent
Metallic Venetian Blinds.

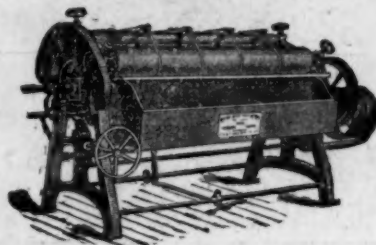
The BEST in the Market. Send for Catalogues, etc., to
162 and 164 West 27th St. - - New York.



TROY LAUNDRY MACHINERY CO.

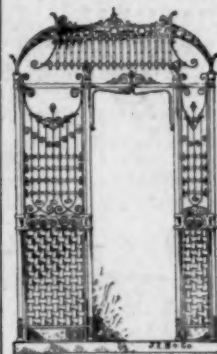
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plete in the world.

Send for Illustrated Catalogue Z.



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We make a specialty of
this work. Send for
Catalogue.

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

Also Manufact-
urers of Laurie Metal
Lath.
Mention this paper.

E. & H. T. Anthony & Co.

591 Broadway, NEW YORK.

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FIRE SETS, PEDESTALS, BASES,
FENDERS, HODS, Etc., Etc.

TILES FOR ALL PURPOSES.

23 and 30 West 23d Street.

THE AMERICAN ARCHITECT AND BUILDING NEWS

ADVERTISERS' TRADE SUPPLEMENT.

No. 133.

SATURDAY, JULY 1, 1893.

VOLUME XL.
No. 94.

SONNET BY THE ADVERTISING SOLICITOR.

(After Keats.)

Much have I hustled round for ads,
And many goodly cities have I seen,
Round many stores and factories have I been
Where ads came easy, for 'twas quite their fad,
And never they complained that trade was bad.
But there are places I have learned to shun
Where they are slow and close, and hold their lit-
tle hoard with miser grip,
And tell the advertising man to skip;
And carelessly expose their gun:
In such society I find no fun.
Yet do I get a sweet and strange revenge,
When by and by there comes a sheriff to their
stores
Armed with a writ, and locks their doors,
And they are swallowed in the sea of Bankruptcy.

GORTON STEAM BOILERS.

WHERE buildings of considerable size are to be heated it is often found expedient, for the best results, to employ two or more boilers so connected that they may be run either separately or together, thus regulating the supply of heat according to the demand for it. An efficient heating service is thus secured and maintained at the minimum expense. The illustration presented shows an installation of this character of two No. 5 Gorton Patent Side-Feed Steel Boilers which are used for heating the large City-hall Building at Amherst, Mass. This is a very handsome brick structure erected in 1891. It is two stories in height, 110 feet long by 60 feet wide. On the first floor there are four large office-rooms, selectmen's room, town-clerk's room, assessor's room, library, police-court and a large corridor running nearly the entire length of the building. The second floor is mostly occupied with a large hall. It has a large stage at one end with stage dressing-rooms, etc., and seating accommodations for 700 people. When this hall is not in use one boiler only is used in heating the building,

The heating-apparatus was erected by Mr. William W. Hunt a prominent steam-heating engineer of Amherst. It is constructed on the double pipe "Gravity Return" plan and all pipes erected are of ample size to insure the active delivery of dry steam to the radiators and an easy flow of the water of condensation back to the boilers. The main steam-pipe from the boilers is $3\frac{1}{2}$ inches and is gradually reduced to $2\frac{1}{2}$ inches, 2 inches and $1\frac{1}{2}$ inches. It is suspended from the ceiling of the cellar by adjustable hangers placed about eight feet apart and extending upward therefrom the requisite number of vertical pipes to supply the heating-surface throughout the building with steam. It is also pro-

return-pipe, and discharging into the boilers. The first floor is heated by seventeen radiators which in the aggregate contain 796 square feet of radiating-surface and the second by sixteen radiators which contain an aggregate amount of 1,100 square feet, making a total of 1,896 square feet of radiating surface in thirty-three radiators heated by two No. 5 Gorton boilers.

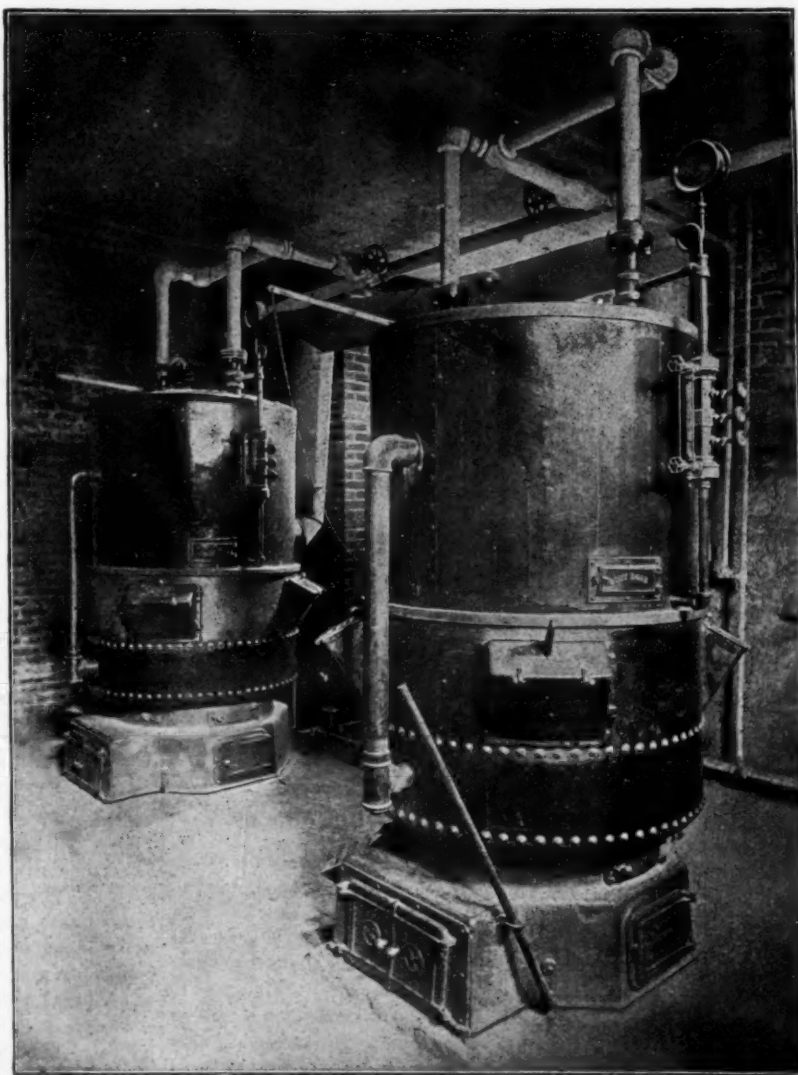
The manner of connecting the two boilers as shown in the illustration is very simply and easily accomplished. These boilers have been in use for the past two winters, one of which will long be remembered for the severity and length of its season. During this period the service rendered has been all that could be desired, the boilers giving no trouble whatsoever, and proving that a steam-heating plant of this kind when well installed is not only a desirable but, as well, a profitable way of heating large buildings.

GORTON & LIDGERWOOD
CO.,

96 LIBERTY ST.,
NEW YORK, N. Y.

SOMETHING NEW.

A NEW departure in house building has recently been made in several localities, notably in Pittsburgh, Pa. It may not be so much of a new idea, as the revival of old methods, except that metal lath is substituted where formerly wood was used. This method, briefly described, is to construct a frame of wood studding, such as is used when a weather-boarded house is the design. The studding are sheathed with rough boards, usually placed diagonally. Over this sheathing a layer of building paper, preferably waterproof, is fastened for the double purpose of covering cracks and joints in the lumber, and preventing the mortar adhering to the sheathing, thus avoiding the risk of cracking



the cement in the event of shrinking of the wood.

The Expanded Metal Lath used for this construction furnishes ample key when fastened to a plain surface to prevent any falling, but, for the purpose of securing a heavier body of cement, thin furring strips (1 in. x 1½ in., spaced 12 in.) are placed in a vertical position over the paper. The metal lath is securely fastened to this furring, and the mortar applied with any finish the architect or builder may select. The style of the finish of houses at Pittsburgh represents rock-faced-stone, range-work, smooth rubbed work, and rough-cast work. Of course it can be readily seen that, with the plastic cement, in the hands of a skilful mechanic, the question of style is a simple one and can be made to suit any variety of tastes of builders. Houses similar to these have been erected in Texas, Illinois, and New York. They are very substantial, neat, and, compared with stone—which in some forms they represent so exactly that, at a short distance, experts cannot detect the difference—they are cheap, costing about one-third as much as solid stone. In some localities it is claimed the cost will not exceed a painted weather-boarded house, if the plainer style of finish is used. These structures are very tight, warm and dry. Cement being impervious to water, the dampness so common in brick and stone buildings is not present.

Much of the exterior work at the Columbian Exposition which is now attracting so much attention and admiration and viewed as the work of the sculptor or mason, is nothing more than the skill of the plasterer in applying mortar, cement or staff to Expanded Metal Lath and giving all the effect of solid stone. The Statuary, the Model Gunboat, Office Building, Lining for conduit for miles of underground cables, etc., are constructed in this manner.

For inside plastering this lath has become a staple article, at least for the better class of work in the larger cities. Most of the builders and architects are familiar with it and like it because of its fidelity, if this word may be applied to an inanimate thing like steel. It does not disappoint them in showing cracks in walls or falling ceilings or furnish fuel for flames on the least provocation—nothing has been found so reliable.

The Expanded Metal Lath used in this work as a foundation on which to lay the cement is a unique article, manufactured by the Central Expanded Metal Co., Pittsburgh, Pa. A sheet of solid steel is slashed in parallel lines at a distance of about ¼ inch apart, and then stretched. In the stretching process the strands made by the slashing are turned to nearly a right angle with the face of the plate,

thus making the sheet very rigid, and securing a base for the most secure keying of the mortar possible. In this form when mortar once hardens, it cannot separate from it. This secures walls that cannot crack, fall or burn.

A Catalogue giving full particulars and showing illustrations of houses erected in this way, that have passed through several severe winters without in any way impairing the walls, will be sent by the

CENTRAL EXPANDED METAL COMPANY,
521 WOOD STREET, PITTSBURGH, PA.



THE FLYING DUTCHMAN.

WHAT the connection is between a plough and a flying Dutchman we do not pretend to know, but we will hazard the guess that, inasmuch as one ploughs the sea, without ever seeming to get out of order or having to go into the dry dock for repairs, it is intended to suggest that the other instrument may successfully tear up the soil through succeeding ages without ever having to be either repaired or sharpened. Whether or not this guess hits the mark, the fact is that the Moline Plow Company, of Moline, Ill., has selected the Flying

Dutchman as its trade-mark, and, after the manner of the nimble-witted advertiser of the day, has not only done this, but has chosen to burlesque its namesake, and represents the ghostly original in the guise of the very substantial winged figure which the annexed cut represents. This figure has been modelled, we suppose, by one of the sculptors in the employ of W. H. Mullins, of Salem, O., who, so far as we know, is unknown, but evidently deserves a place somewhere on the ladder of fame, as he has discharged his task with marked success. Mr. Mullins has taken advantage of the opportunity, and exhibits as a portion of his contribution to the gaieties of the World's Fair a reproduction of this figure in beaten copper, which measures eighteen feet in height, and we won't say how much in girth, measured about the lower button of the waistcoat. It seems not unlikely that, as a business venture, he will derive more profit through the exhibition of this figure, which will certainly be remembered by all who see it, than if he should merely state that the figure of Diana and sundry angelic and cherubic figures on the Machinery Building had been produced at his works.

Since writing the foregoing paragraph we have encountered in *Metal* the real history of the adoption of this trade-mark. The secretary of this company, gives the following facts: "In relation to the Trade Mark we have this to say concerning its conception and adaptation to our uses. Some years ago we conceived the idea of a new form of plow, which entirely revolutionized the riding-plows of the day. So great was the rout of the two-wheeled sulky plows that we conceived the idea of naming our plow after the phantom ship, 'The Flying Dutchman,' the sight of which, you will remember, created a panic in the hearts of all of the slow-going sailors who were unfortunate enough to meet it. From the name 'Flying Dutchman' we evolved the present trade mark. In explanation of the poise, we first printed head lines parodying the Bartholdi Statue, from which in part the idea is conceived, to wit: 'We take the Liberty of Enlighten-

ing the World of the merits of the celebrated Flying Dutchman Sulky Plow,' being a play on the words, 'Liberty Enlightening the World.' The trade mark has been so taken that we have enlarged upon it and continued to use it generally." This history is interesting as showing the evolution of an idea which began with the famous legendary ship and ends with a gigantic statue so grotesque as to be in itself much more effective for advertising purposes than the original Flying Dutchman could possibly have been.

REMOVAL.

THE J. H. & D. Lake Co., manufacturers of all kinds of Friction Clutch Pulleys, having outgrown their old quarters at Hornellsville, N. Y., have recently completed and removed to their handsome new offices and foundry at Massillon, O., where with enlarged facilities they were prepared to meet the growing demand of their business.

An interesting feature regarding the rapid growth of the Lake Co. is the fact that it came almost exclusively from advertising, for with the exception of a limited amount of travelling, they have had no representative out on the road, except their card in the various class journals.

A NEW SANITARY CATALOGUE.

THE Haines, Jones & Cadbury Company, of Philadelphia, have just issued a new Sanitary Catalogue. The volume is an exceedingly handsome one, bound in cloth, 13½" x 10½", and contains 216 pages of the very best enamelled paper, on which are illustrated the many sanitary specialties manufactured and imported by this old established firm.

The reader is confronted on opening the catalogue by a most *recherché* interior view, following which is a preface in which it is pointed out that the chief aim of the present age of progress is to combine simplicity with the necessary utility of the sanitary fixtures; together with a beauty of design and an artistic exterior which will fulfil all the requirements as regards the laws of sanitation, and at the same time meet the most fastidious desires of high class taste and refinement.

The engravings following give a most complete list and description of porcelain-lined baths, both with wood rim and roll rim. The latter showing the outside enamelled in ivory and gold bands.

Special attention is given to the "Regal" Porcelain Roll Rim Baths, which are imported by "The Haines, Jones & Cadbury Company" and made especially for them in Great Britain. These baths are illustrated in the French and Roman patterns.

Following the "Regal" Porcelain Baths comes a full, complete set of over a hundred illustrations and descriptions of the different closet outfits manufactured by them, first and foremost of which is the "Hajoca" syphon-jet closet. A most complete description of showers and needle baths, water-closet seats and cisterns, lavatory brackets and legs, "Regal" porcelain kitchen sink, marble lavatories with the "Electric" and "Perfection"

wastes, and slate and marble urinal stalls; and in fact a complete catalogue of all sanitary fixtures.

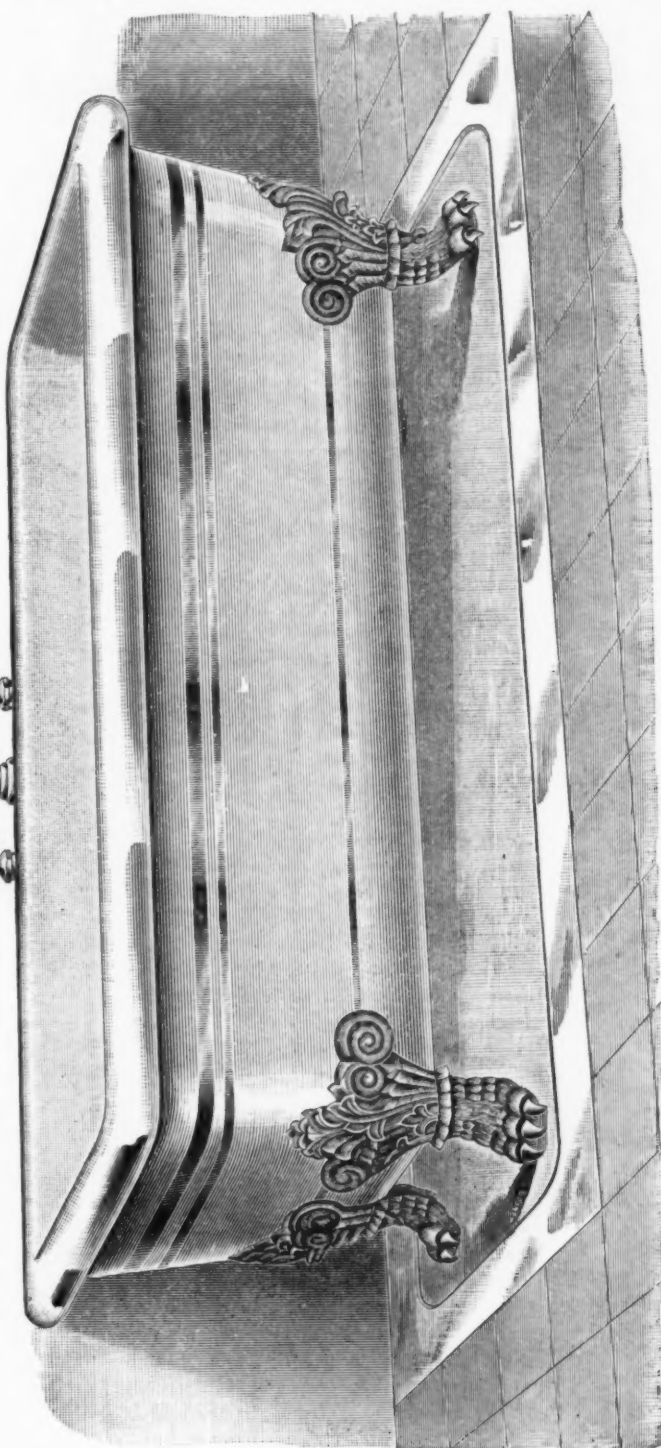
Throughout the book may be noticed several very artistic and beautiful colored plates of bath-tubs and water-closets, which add greatly to the appearance of the book. In fact, this catalogue far surpasses anything ever before gotten up by this firm, and is the equal if not the superior of any other at present before the trade. The catalogue should be in the hands of

ance and expense may be caused by an inaccessibly defective hanger or track in a furnished house, those who have had such experience need not be told. The wheels run on a single steel track. This track is not liable to such derangement as swelling or shrinking, or springing out of shape from furnace heat or humid air, but is thoroughly durable. The track being secured to one partition instead of two, as in the case of the common double wood tracks, is not subject to derangement from unequal settling of said parti-

tions. The wheels of this hanger are made with a centre of the very best sole-leather, the edge of which forms the rolling surface. This leather is a solid disc extending quite to the axle, and is firmly pressed and held between steel discs by means of steel nuts on a steel axle. The use of the leather in the wheel causes it to run with the noiselessness of a bicycle and the wear on the leather being a rolling one only, renders it practically indestructible. The extreme simplicity of this hanger and track makes its erection easy, and cost for labor very light; some carpenters say taking but a quarter of the time required for other kinds, and no cutting of doors; so that, if at a greater first cost, the expense when erected will generally be found much less than where the cheap grades of hangers are used. We accomplish the avoidance of door warping by using one track only, the hanger suspended directly beneath it, and the middle of the door fastened to the hanger, so that the whole weight of the door is suspended plumb from the track, tending to keep it straight and true. The principle is well-known to the horseman as applied to his whip. The axle of the hanger-wheel does not run in a solid box, but is of the anti-friction type, and most people now recognize the superiority of anti-friction hangers over the old style noisy hard-running kind with fixed bearings. Each hanger may be adjusted independently of the other by the use of a screw-driver and without derangement of any part. The stop we make of steel, and

place it at the rear of the door and mid-way; the door thus will strike square as it should do. We make the stop on the gravity principle, and if either door should need to be run out into the passageway, a knife blade may be inserted at the side and rear edge of the door, turning the stop one-quarter way around, when the door will be free to pass out.

LANE BROTHERS,
POUGHKEEPSIE, N. Y.



The "Regal" Bath.

every plumber, and will be sent on application.

HAINES, JONES & CADBURY CO.,
PHILADELPHIA, PA.

LANE'S PATENT STEEL PARLOR DOOR-HANGER.

THE Lane parlor door-hanger differs from others in several important respects. Among the chief points of superiority may be noted: first, that it is made throughout of steel instead of cast-iron, thus avoiding all danger or probability of breakage. How much annoy-

CHROME STEEL WORKS' FAIR EXHIBIT.

AMONG the various exhibits in the Mines and Mining Building at the great World's Columbian Exposition holding forth at Chicago, there is none likely to attract more attention than the unique exhibit made by the Chrome Steel Works of Brooklyn, N. Y., located in the New England Section, Column 14 S of that building.

This concern manufactures the well-known Chrome Steel castings, which are specially adapted for use where extra durability, strength and toughness are required, among which are such castings as battery-shoes and dies, cams, tappets, etc., for stamp-mills, spinning and stamping dies used by tin-ware manufacturers, gears, wheels, pinions, hammer dies, etc., and also their famous combination plates of five-ply welded Chrome Steel and iron used in the construction of burglar-proof safes, vaults and prison cells.

While most exhibitors display new goods in order to catch the eye and please the fancy of the visitor, the Chrome Steel Works has departed from this prevailing order of things, and has made the leading feature of its exhibit worn-out castings (as enumerated above), which have been contributed by mines throughout almost every mining district in the United States and Mexico, each piece of which is labelled with a report from the mine superintendent under whose management they were individually used, stating length of service, quality and quantity of ore crushed, and specimens of same, beside other information of value and interest to mining men. These castings show remarkable evenness in wear and longevity before being finally discarded. In addition to the worn-out castings, the Chrome Steel Works also has on display samples of their famous combination welded Chrome Steel and iron five-ply plate, which for years past has been and is now being used in the construction of the safes and vaults of the largest financial institutions throughout the country.

Every one interested in the economic use of castings and in the construction of burglar-proof work should make it a point to visit the Chrome Steel Works' exhibit. Mr. John B. Power is in charge, and will be glad at all times to receive visitors and explain the merits of Chrome Steel for the special purposes to which it is best adapted.

CHROME STEEL WORKS,
BROOKLYN, N. Y.

NOTICE REGARDING TAPPING OF HOT WATER-RADIATORS.

THERE has been such variety of preference among our customers as to the method of connecting radiators, and so much confusion and delay have resulted, that we will hereafter send out our radiators tapped for flow-pipe at top as usual, with two return openings tapped at bottom of same end, and one return opening tapped at bottom of opposite end.

In this way connections can be made at either end as may be desired, and unused openings closed with countersunk plugs.

We feel sure this will obviate the difficulty pertaining to the former method of trying to adapt shipments to such a variety of requirements, and will prove a convenience to the fitter.

GURNEY HOT WATER HEATER CO.,
BOSTON.

NOTES.

THE readiness with which the modern bus-

iness man in this country adapts himself to changing conditions of demand, and consequently changes the very nature of his business and the character of the stock he requires is somewhat strikingly illustrated in the catalogue of W. R. Ostrander & Co., who have just removed their office to No. 204 Fulton St., New York, to a position nearly opposite the one long occupied by them. A few years ago the catalogue of the firm consisted, so far as illustrations are concerned, only of a few simple cuts of speaking-tube mouthpieces, a simple arrangement of annunciator, and a variety of bell-cranks and bells. Now, however, their catalogue of 130 pages contains three or four cuts upon each page, whose varied nature shows how the business of this firm has changed and expanded. Here in addition to improved forms of annunciator, speaking-tube and call-bell, are shown a great variety of hardware fixtures which are associated with the saving of valuable time through the use of oral, electric, tensional and pneumatic methods of calling and signalling. In addition to these appliances belonging to the natural expansion of their original business, this firm now deals in burglar-alarm apparatus, time-clocks, electric-fan motors, electric gas-lighting apparatus, door letter-boxes, etc.

A MEETING of the Board of Education in Detroit, Mich., was held on the evening of June 15th, to consider the report submitted by Mr. W. J. Baldwin, President of the American Society of Civil Engineers, upon the plans and specifications submitted by numerous competitors, for the heating and ventilation of the new Central High-School building.

Mr. Baldwin recommended to the Board the acceptance of the proposition submitted by the Huyett & Smith Manufacturing Co., of Detroit.

The report was an exhaustive one, going into details regarding each proposition presented, and the reasons for the selection made.

The amount of the Huyett & Smith Manufacturing Co's bid was \$22,927. The bids ranged in price from \$17,265 to \$30,000. Among the bidders were the Fuller & Warren Co., I. D. Smead & Co., Boston Blower Co., and B. F. Sturtevant Co.

The contract will doubtless be awarded to the Huyett & Smith Manufacturing Co., in accordance with the recommendations of Mr. Baldwin.

The matter of heating and ventilating a school building is one of great moment, and the turning over by the Detroit School Board of a question of such vital importance to the life of the community, as the selection of a heating system, to a capable heating engineer is a step in the right direction, and one that might well be followed by other School Boards, the result of which would probably be that the schools throughout the country would be "ventilated" as well as heated.

THE Cortright Metal Roofing Co., of Philadelphia & Chicago, in their advertisement of this issue, direct attention to their Patent Improved Valley. Heretofore their Patent Valley has been made with one fold on each side to which the slates or shingles were attached. The improvement consists of an extra fold on each side thus forming double protection against driving storms. The folds provide amply for expansion and contraction of the metal. While this Valley is especially intended for use with their metallic tiles, shingles, etc., yet it is also used extensively with wood shingles and slate. It can be supplied in any weight of copper or brand of roofing tin. Full information and prices will be furnished by the above company on application.

gles, etc., yet it is also used extensively with wood shingles and slate. It can be supplied in any weight of copper or brand of roofing tin. Full information and prices will be furnished by the above company on application.

THE B. F. Sturtevant Co., Boston, Mass., have printed a third edition of 10,000 copies of their 200 page General Catalogue which describes the uses of their Blowers, Exhausters, Engines, Forges and Heating and Ventilating apparatus and they desire to place a copy in the office of every superintendent, purchasing agent, engineer or manufacturer using such machinery. All who have not received a copy will confer a favor by applying to the above address at once. It will be mailed free of charge.

THE Willer Manufacturing Company of Milwaukee believe that they have in the north end of the gallery of the Liberal Arts Building of Chicago, an exhibit that will repay architects for whatever time they may find themselves able to spend in its examination. The exhibit shows their different classes of sliding-blinds, folding-blinds, Venetian blinds, screens and screen-doors, stairwork, etc.

BUILDING INTELLIGENCE.

Reported for the American Architect & Building News.

ALTERATIONS.

Brooklyn, N. Y.—*Willow St.*, No. 159, two-and-one-half-sty brick dwell., tin roof, two-sty brick extension, tin roof, and other alterations; cost, \$4,000; owner, P. S. Dudley, 270 Hicks St.; architect and builder, George Halbeck, 226 Fulton St.

Greene Ave., No. 473, three-sty brownstone dwell., tin roof, raised one story, two-sty brick extension, tin roof, added; cost, \$4,000; owner, J. H. Ireland, 473 Greene Ave.; architect, W. Parker, 431A Quincey St.

Joralemon St., No. 93, four-sty brownstone dwell., tin roof, two-sty brick extension, tin roof, and internal and other alterations; cost, \$3,000; owner, Mrs. Julia Spier, on premises; architects, D'Oench & Simon, 189 Fourth Ave., New York City.

Washington Ave., Nos. 66-68, one-sty brick store, gravel roof, to be raised two stories; cost, \$4,050; owner, H. M. Bischoff, 80 Hewes St.; architect, J. G. Glover, 186 Remsen St.

South Second St., No. 72, two-sty frame dwell., tin roof, one-sty brick extension, tin roof, and internal and other alterations; cost, \$3,500; owner, J. J. McGinty, on premises; architect, John Smith, 185 Bedford Ave.

Adelphi St., No. 200, three-sty brick dwell., tin roof, three-sty brick extension, tin roof, and internal alterations; cost, \$5,000; owner, John Flynn, on premises; architect, J. G. Glover, 186 Remsen St.

Bridge St., w. s. 125 n Myrtle Ave., five-sty brick store, tin and gravel roof, one-sty brick extension, tin and gravel roof; cost, \$23,000; owner, Mrs. A. E. Darling, Utica, N. Y.; architect, H. L. Harris, 280 Broadway, New York City.

Camden, N. J.—*Mt. Vernon St.*, n w cor. Locust St., alteration to frame dwell.; owner, A. D. Geiger.

Sycamore St., No. 1202, rear, one-sty frame addition; owner, Wm. Rose.

Washington St., No. 552, two-sty brick addition; owner, Chas. Johnson.

Chestnut St., No. 1100, one-sty brick addition; owner, Ludwig Sheina.

Viola and Broadway Sts., addition to church; architect, Franklin P. Reynolds.

Central Ave., No. 562, one-sty frame addition; owner, Sarah F. Jones.

Chicago, Ill.—*E. Lembracht*, two-sty addition, 3125 Fox St.; cost, \$5,000.

M. Schmitz, two-sty addition, 386 Twenty-fourth St.; cost, \$3,000.

August Dupki, two-sty addition, 421 Washburn Ave.; cost, \$3,000.

E. Emerich, three-sty addition, 489 Franklin St.; cost, \$5,000.

J. Boome, two basements, 88 Sedgwick St.; cost, \$3,500.

F. Haaf, two additions, Lake Ave. and Forty-second St.; cost, \$18,000.

Danville, Ga.—Centre College will build an addition, to cost about \$30,000.

Doubling Gap Springs, Pa.—Three-sty brick and frame addition to hotel; architect, T. Frank Miller, 1221 Arch St., Philadelphia.

Erie, Pa.—*East Ave. and Sixth Sts.*, addition to the school-house; builder, G. W. Fassett.

Manayunk, Pa.—Addition to the Manayunk Grammar School; architect, Jos. D. Austin, 713 Filbert St., Philadelphia.

Philadelphia, Pa.—*North Fifteenth St.*, No. 1623, alterations to dwell.; owner, Mrs. S. Simon; architects, Baker & Dallett, s w cor. Walnut and Fifth Sts.

Thompson and Twenty-eighth Sts., three-sty stone and brick addition to the Robert Morris Grammar School; builder, Thomas C. Trafford.

Church St., e s. s Wood St., two-sty addition to mill; builders, Duncan & Shaw, 201 Green Lane.

Phoenixville, Pa.—Addition to the Church Street school-building; builder, John Keenan.

Providence, R. I.—*Westminster St.*, n s, one-sty brick addition; cost, \$5,000; owners, Shepard & Co.; builder, Jos. Nicholson.

(Alterations Continued.)

Waterman St., No. 113, two-st'y frame addition; cost, \$6,000; owner, W. A. Peck; builder, W. E. Rowland.

St. Louis, Mo.—Alterations to repair shops, s s North Market St., bet. Spring and Prairie Aves.; cost, \$4,000; owners, Cass Ave. Ry Co.; contractor, R. M. Morrison & Co.

APARTMENT-HOUSES.

Boston, Mass.—North Anderson St., cor. Parkman St., four-st'y brick apartments, flat roofs, 27'4" x 50'8"; owner and builder, S. Shocker.

Brooklyn, N. Y.—Van Buren St., s s, 100' e Patchen Ave., 6 three-st'y brick flats, gravel roofs; cost, \$4,000 each; owner, R. T. Griggs, 65 Eighth Ave.; architect, F. L. Hine, 301 Gates Ave.

Brooklyn Ave., e s, 100' n Atlantic Ave., 2 five-st'y brick flats, felt and gravel roofs; cost, \$10,000 each; owner and builder, John A. Bilas, 875 St. Marks Ave.; architect, A. E. White, 190 Seventh Ave.

Chicago, Ill.—N. Michon, three-st'y flats, 229 Halsted St.; cost, \$6,000.

G. Outlinger, three-st'y flats, 410 Washburn Ave.; cost, \$5,000.

Philip May, three-st'y flats, 1904 Dearborn St.; cost, \$5,000.

Paul Girsch, two-st'y flats, 69 Cleaver St.; cost, \$3,500.

Andrew Thelander, four-st'y flats, 106-108 Sedgwick St.; cost, \$5,000.

H. G. Page, two-st'y flats, 1991 Adams St.; cost, \$12,000.

George Pnegley, two-st'y flats, 1398 Jackson Boulevard; cost, \$7,000.

John Behrens, three-st'y flats, 1315 Howard St.; cost, \$5,000.

Ignatz Reike, two-st'y flats, 1615 Dudley St.; cost, \$4,000.

Van Pelt & Renz, 2 two-st'y flats, Juniata and Ninety-third Sts.; cost, \$4,000.

Michael Daily, three-st'y flats, 8349 Buffalo St.; cost, \$3,000.

S. Sigler, three-st'y flats, 6239 Ada St.; cost, \$3,500.

John Stark, two-st'y flats, 32 West Twenty-fifth St.; cost, \$3,000.

E. A. Fox, two-st'y flats, 1189 Wilcox Ave.; cost, \$4,000.

F. Pallem, two-st'y flats, 1020 West Twenty-second St.; cost, \$6,000.

John Hemolka, three-st'y flats, 834 West Eighteenth St.; cost, \$6,000.

Timothy Hurley, three-st'y flats, 239 Ladin St.; cost, \$4,400.

C. Anderson, two-st'y flats, 6025 Throop St.; cost, \$925 Throop St.; cost, \$3,000.

I. Sykes, two-st'y flats, 1491 West Congress St.; cost, \$3,000.

Matt. Maran, three-st'y flats, 767 Van Buren St.; cost, \$5,500.

John Lucas, three-st'y flats, 857 West Twentieth St.; cost, \$5,500.

F. P. Block, two-st'y flats, 13 Hamburg St.; cost, \$3,400.

M. Hirowlowski, two-st'y flats, 1038 North Hoyne Ave.; cost, \$3,000.

F. M. Schille, three-st'y flats, 44 Lewis St.; cost, \$6,000.

O. S. Aldrich, 2 two-st'y flats, 5644-5646 Green St.; cost, \$10,000.

John Reid, two-st'y flats, 6613 Wabash Ave.; cost, \$3,500.

E. Silando, two-st'y flats, One Hundred and Twelfth St., near Butterfield St.; cost, \$3,000.

T. J. Tank, two-st'y flats, 423 North Wood St.; cost, \$4,000.

Henry Uhlman, three-st'y flats, 636 Northwestern Ave.; cost, \$3,500.

Rocco Pepon, three-st'y flats, 347 Noble St.; cost, \$6,500.

L. C. Thatcher, three-st'y flats, 225 Spaulding Ave.; cost, \$4,500.

John Waska, two-st'y flats, 1715 West Fifteenth St.; cost, \$3,500.

August Reinke, three-st'y flats, 355 Hastings St.; cost, \$3,500.

J. Knehlman, two-st'y flats, 6511 South May St.; cost, \$3,500.

L. Duquette, two-st'y flats, 1624 Cornelius St.; cost, \$6,000.

(Apartment-Houses Continued.)

H. L. Olson, two-st'y flats, 1034 North Kedzie Ave.; cost, \$3,000.

William Dahlston, two-st'y flats, 1038 Seminary Ave.; cost, \$6,300.

T. N. Walte, three-st'y flats, Burnside Ave. and Cottage Grove St.; cost, \$3,000.

M. O. Tremain, 3 two-st'y flats and barn, 4841 Forestville Ave.; cost, \$14,000.

Robert Walsh, 3 three-st'y flats, 3764, 3800 and 3804 Adams St.; cost, \$18,000.

K. Howe, three-st'y flats, 620 Washington Boulevard; cost, \$10,000.

F. J. Dunne, two-st'y flats, 47 Utica St.; cost, \$3,800.

H. Whittkind, three-st'y flats, 385 Twenty-fourth Pl.; cost, \$6,500.

Wilson & Bennett, two-st'y flats, 6333 Sangamon St.; cost, \$3,000.

Annie Dicknoss, two-st'y flats, 520 Cuyler Ave.; cost, \$3,000.

New York, N. Y.—One Hundred and Forty-ninth St., n s, 485' w Morris Ave., four-st'y brick flat, tin roof; cost, \$16,000; owner, James O'Connell, 1690 Lexington Ave.; architect, Charles Baxter, 2580 Third Ave.

St. Louis, Mo.—Two two-st'y flats, s s Lucky St. bet. Vandeventer and Prairie Aves.; cost, \$6,000; owner, Carrie Bradburn; builder, P. J. Bradburn.

Two two-st'y flats, n s Dickson St. bet. Twenty-second and Twenty-third Sts.; cost, \$3,000; owner, Mary Loyd; builder, Alfred How.

Worcester, Mass.—Millbury St., four-st'y brick and frame apartment block; owner, Hans Trulson; contractors, Harris & Belford; architects, Patatone & Lincoln.

Millbury St., four-st'y frame apartment block; owner, Dr. T. A. O'Callaghan; contractor, Wm. Power; architects, Earle & Fisher.

CHURCHES.

Brooklyn, N. Y.—Moffat St., s s, 200' w Bushwick Ave., two-st'y frame church, tin roof; cost, \$5,000; owners, Evangelical Home for the Aged, on premises; builders, John Rueger Building Co., 250 Moore St.

Bordentown, N. J.—Church for the Baptist congregation.

Butler, Pa.—Church of the United Presbyterian Society will be completed; cost, about \$10,000.

Hagerstown, Md.—Church will be built for Zion Reformed Church, to cost about \$40,000.

Mannayunk, Pa.—Stone church for the Epiphany Lutheran congregation.

Red Bank, N. J.—Church for the Baptist Church; cost, about \$25,000.

West Chester, Pa.—Stone church for the Westminster Presbyterian congregation.

FACTORIES.

Brooklyn, N. Y.—Forty-first St., s s, 200' Fourth Ave., one-st'y brick watch factory, gravel roof; cost, \$3,140; owners, John Weststrom Co., 30 John St., New York City; builders, Dolnecke & Bros., 134 South Ninth St., Brooklyn.

Chicago, Ill.—Cook & Rathbone, factory and engine-house, Union and South Branch Sts.; cost, \$6,000.

New York, N. Y.—Boulevard, s w cor. West One Hundred and Thirty-first St., five-st'y brick factory, tin roof; cost, \$30,000; owner, Wm. Riedell, 105 East One Hundred and Fourteenth St.; architects, Thom & Wilson, 1267 Broadway.

Bleeker St., s e cor. Elizabeth St., seven-st'y brick factory, tin roof; cost, \$50,000; owner, John T. Williams, 54-56 Franklin St.

North Moore St., No. 9, six-st'y brick factory, tin roof; cost, \$20,000; owner, Louis C. Friedline, 116 East Fifty-fourth St.; architect, G. F. Pelham, 1481 Broadway.

South Fifth Ave., No. 55, seven-st'y brick factory, tin roof; cost, \$30,000; owner, D. P. Chesebro, 16 Seventh St. and Southern Boulevard; architect, Louis Korn, 261 Broadway.

Philadelphia, Pa.—Jasper St., n s, s Clearfield St., two-st'y brick factory; owners, John R. Bill & Bro., Allegheny Ave. and Emerald St.

Allegheny Ave. and Nineteenth St., seven-st'y

(Factories Continued.)

brick factory and office-building; architect, Walter H. Gelsinger, s w cor. Chestnut and Twelfth Sts.

Allegheny Ave., s e cor. Nineteenth St., seven-st'y brick factory; owner, W. G. Warden; architect, Walter Gelsinger, s w cor. Chestnut and Twelfth Sts.

Webster, Pa.—Factory for the Pittsburgh Bottle and Glass Co.

Window-factory for Thomas Wightman & Son.

HOUSES.

Baltimore, Md.—Nelson C. Showacre, 3 three-st'y brick buildings, e s Madison Ave., bet. Bloom St. and North Ave.

Wm. J. Armiger, 5 two-st'y brick buildings, w s Burke St., n Jefferson St.; 5 two-st'y brick buildings, e s Bradford Alley, n Jefferson St.; and 12 two-st'y brick buildings, s s Jefferson St., beg. n w cor. Burke St.

Thomas F. Locke, 15 three-st'y brick buildings, s s Edmondson Ave., w Monroe St.

Hy. Schlessinger, 8 two-st'y brick buildings, n s O'Donnell St., bet. Hare and Potomac Sts.

Edward F. Shadrack, 7 three-st'y brick buildings, w s York Road, beg. s w cor. Oxford Ave.; and 8 two-st'y brick buildings, s s Oxford Ave., w York Road.

Hy. Shirk, 3 three-st'y brick buildings, w s Mt. Vernon Ave., bet. Twenty-fourth and Twenty-fifth Sts.

Albert N. Mahone, 10 two-st'y brick buildings, w s Buchanan St., bet. Twenty-fourth and Twenty-fifth Sts.

Boston, Mass.—Sanford St., near Cedar St., Ward 24, frame dwell., 24' x 46'; owner, Jacob Elpley.

Boylston Ave., near Unnamed Pl., Ward 23, 2 three-st'y frame dwells., hip roofs, 21.6' x 47'; owner, Patrick Doyle; builder, G. A. Cahill.

Kirk St., near Carl St., Ward 23, frame dwell., 27.6' x 54.10'; owner and builder, C. P. Botaford.

Milton Ave., near Norfolk St., Ward 24, frame dwell., 22' x 53.6'; owner, Miss M. E. Whelan; builder, F. F. Maher.

Oakley St., Nos. 4-27, Ward 24, twelve frame dwells., 25.6' x 29'; owner, Workmen's Building Association; builder, J. D. McLellan.

Franklin St., opp. Holton St., Ward 25, two frame dwells., 17' x 50.4'; owner, I. N. Tucker; builder, James McNeil.

Holborn St., near Galena St., Ward 21, frame dwell., 27' x 37'; owner and builder, Peter Graffam.

Boylston St., cor. Burnside Ave., Ward 23, three-st'y frame dwell., 24' x 47'; owner, F. W. Dahl; builder, James Hunter.

Greenhayes St., near Cedar St., Ward 24, frame dwell., 24' x 43'; owners, D. & W. Jameson; builder, Hugh Chisholm.

Woodward Park St., near Folsom St., Ward 20, three-st'y frame dwell., flat roof, 26' x 57'; builders, Decker Bros.

Magnolia St., cor. Unnamed St., Ward 20, frame dwell., 19.6' x 43'; owner, F. A. Keith; builder, W. P. Jenkins.

Gaston St., Nos. 21 and 33, and near Blue Hill Ave., Ward 21, three frame dwells., 27' x 40' and 27' x 37'; owner and builder, Peter Graffam.

Southwood St., near Blue Hill Ave., Ward 21, three-st'y frame dwell., pitch roof, 25.10' x 29.4'; owner, Mrs. J. S. Regan; builders, McNeil & McLean.

Woodward Park St., near Folsom St., Ward 20, three-st'y frame dwell., flat roof, 26' x 57'; owner, N. E. Hutchins; builders, Decker Bros.

Dunham Park, from 56 West Fifth St., Ward 15, three-st'y frame dwell., flat roof, 21' x 30'; owner, Harrison Dunham; builder, W. H. Morris.

Hastings St., rear, near Centre St., Ward 23, frame dwell., 21' x 31'; owner, F. C. Gillson; builder, G. A. Spear.

Brooklyn, N. Y.—Stockholm St., n s, 102' w Wyckoff Ave., 2 three-st'y frame dwells., tin roofs; cost, \$4,000 each; owner and builder, A. Huber, 900 Flushing Ave.; architect, H. Smith, 10 Moore St.

Franklin St., w s, 50' n Colyer St., three-st'y brick dwell., gravel roof; cost, \$6,000; owner, P. McFadden, 45 Franklin St.; architect, P. Dillon, Manhattan Ave.; builder, Wm. P. Mediary, 210 Colyer St.

Grand Ave., w s, 209' n Gates Ave., 3 three-st'y brick dwells., gravel roofs; cost, \$4,500 each; owner,

LOCALITY OF AUTHORSHIP OF DESIGNS
PUBLISHED IN THE AMERICAN ARCHITECT.

The assertion that the *American Architect* is a paper whose characteristics are *national* and not merely local is supported by the following table, which exhibits the manner in which several journals have treated domestic architecture. In this comparison the IMPERIAL edition of the *American Architect* is considered, since the additional plates of the INTERNATIONAL edition are, in the main, illustrations of foreign work.

PAPER.	Number of subjects contributed.	Number of contributors.	Towns in which contributors were established.		Architects practising in the State of publication furnished.				
			Number of contributors.	Number of designs.	Subjects.	Per cent of total number of subjects.	Different architects contributing.	Per cent of total number of contributors.	Towns.
No. I. . . .	214	100	28	16	161	.752	75	.688	7
No. II. . . .	137	78	21	15	46	.335	24	.307	2
No. III. . . .	118	56	16	11	70	.593	22	.392	1
Am. Architect.	267	152	47	24	73	.273	39	.256	3

From this table it appears that Massachusetts architects—.256 per cent of the total number of contributors—provided only .273 per cent of the total number of designs published, percentages which, in view of the fact that Massachusetts is one of the most populous States in the Union, prove that they have not been accorded an unreasonable amount of our limited space.

(Houses Continued.)

Isabella de Maziero, Dunnellen, N. J.; architect, F. L. Hine, 801 Gates Ave.

Union St., n s, 99' w Fifth Ave., 3 four-st'y brick dwells., tin roofs; total cost, \$16,500; owner, Thos. F. Martin, 321 Fourth Ave.; architect, W. M. Coots, 189 Montague St.

Forty-eighth St., n s, 200' w Fifth Ave., two-st'y brick dwell., tin roof; cost, \$3,000; owner, V. Patterson, Forty-eighth St. and Fifth Ave.

Gargfeld Pl., n s, 116' w Sixth Ave., 2 four-st'y brick dwells., tin roofs; cost, \$10,000 each; owner and builder, G. J. Murtagh, 678 Carroll St.; architects, I. D. Reynolds & Son, 383 Fulton St.

Prospect Pl., s s near Grand Ave., four-st'y brick dwell., gravel roof; cost, \$10,000; owner, P. Donlon, 789 Dean St.; architect, Jas. Patrule, 716 Fulton St.; builder, Thos. Donlon, 785 Dean St.

North Seventh St., s s, 123' w Rochling St., 2 four-st'y frame dwells., tin roofs; cost, \$6,000 each; owner, R. Brantigan, on premises; architect, F. J. Berlenbach, Jr., 280 Graham Ave.

Troutman St., n s, 150' e Central Ave., three-st'y frame dwell., tin roof; cost, \$4,300; owner, H. Joseph, 167 Troutman St.; architect, E. Schreff, 534 Bushwick Ave.

Starr St., n s, 225' w Hamburg Ave., three-st'y frame dwell., tin roof; cost, \$4,500; owner, August Grenz, on premises; builders, John Rueger Building Co., 250 Moore St.

Sackett St., s s, 92' w Fifth Ave., 3 four-st'y brick dwells., tin roofs; cost, \$22,500; owner and builder, Wm. Assip, 224 Sixth Ave.; architect, W. M. Coots, 189 Montague St.

Gates Ave., s s, 200' w Knickerbocker Ave., three-st'y frame dwell., tin roof; cost, \$4,600; owner, J. Taylor, 1394 Gates Ave.; architects, Frank & Hillenbrand, 200 Knickerbocker Ave.; builder, Chas. Welscher, 350 Evergreen Ave.

Bleeker St., n s, 105' w Knickerbocker Ave., 5 three-st'y frame dwells., tin roofs; cost, \$5,000 each; owner and builder, Wm. Berlinger, 1255 Green Ave.; architects, Frank & Hillenbrand, 200 Knickerbocker Ave.

Plaza St., n w cor. Union St., two-st'y brick dwell., tile and tin roof; cost, \$60,000; owner, Geo. W. Shiebler, 179 Broadway, New York City; architect, F. Freeman, 132 Nassau St., New York City.

Barbey St., w s, 300' n Arlington Ave., two-st'y frame dwell., shingle roof; cost, \$3,500; owner, Frank E. Van Dupree, 106 Linwood St.; architect, A. McLean, 134 Ridgewood Ave.

Third St., s s, 117' w Eighth Ave., three-st'y brick dwell., tin roof; cost, \$10,000; owner, Thos. B. Hall, 364 Twelfth St.; architect, W. M. Calder, 371 Sixth Ave.

Garden St., w s, 336' s Flushing Ave., three-st'y brick dwell., tin roof; cost, \$7,000; owner, F. Schwalb, 63 McKibben St.; architect, H. Loeffler, Jr., 851 Gates Ave.

Decatur St., s s, 95' w Stuyvesant Ave., 10 three-st'y brick dwells., tin roofs; cost, \$8,000; owner, E. H. Bishop, 647 Putnam Ave.; architect, M. Dahlander, 186 Remsen St.

Berkeley Pl., n s, 100' w Seventh Ave., 3 four-st'y brick dwells., tin roofs; cost, \$7,000; owners, builders and architects, Delaney & Collins, Berkeley Pl., bet. Sixth and Seventh Aves.

Dean St., No. 1345, four-st'y brick dwell., tin roof; cost, \$7,500; owner, Frank Jenks, 315 State St.; architect, E. Hazzard, 175 Pacific St.

South Fourth St., s s, 250' e Hooper St., four-st'y brick dwell., tin roof; cost, \$9,000; owner and builder, George Straub, 890 Willoughby Ave.; architect, Th. Engelhardt, 905 Broadway.

Bushwick Ave., n w cor. Moffat St., two-st'y frame dwell., shingle roof; cost, \$5,500; owner, Dr. Wm. A. Myers, near premises; architect, A. H. McGeehan, 2581 Atlantic Ave.

Christopher St., e s, 100' s Sutter Ave., and Jackman St., w s, 100' s Sutter Ave., 2 three-st'y frame dwells., tin roofs; cost, \$6,000 each; owner, John

(Houses Continued.)

Dailey, Marion St., near Hopkinson Ave.; architect, L. Danancher, 31 Watkins St.

Atlantic Ave., s s, 329' 7 1/2' w Cypress Ave., 3 two-st'y frame dwells., tin roofs; cost, \$1,200 each; owner, Sophia A. Scopkins, Union, Union Co., N. J.

Fourth St., s s, 78' e Sixth Ave., four-st'y brick dwell., tin roof; cost, \$6,500; owner, Louis Bonert, on premises; architect, W. M. Coots, 189 Montague St.

Arlington Ave., n e cor. Elton St., two-st'y frame dwell., shingle roof; cost, \$5,500; owner, E. K. Vollmer, Etna and Richmond Sts.; architect, Henry F. Kilburn, 229 Broadway, New York City.

Alabama Ave., w s, 109' 3' s Atlantic Ave., 2 two-st'y frame dwells., tin roofs; total cost, \$3,000; owner, Fred. Sievert, 630 Broadway.

Camden, N. J. — South Third St., No. 639, two-st'y brick dwell.; owner, C. S. Ackley.

South Fourth St., No. 15, three-st'y brick dwell.; owner, B. F. Schroeder.

Kaighn's Ave., w s, e Tenth St., 11 two-st'y brick dwells.; owner, J. S. Jackson.

Chelton Ave. and Miller St., 2 two-st'y brick dwells.; owner, W. K. Moore.

Chicago, Ill. — S. P. Heskett, 5 two-st'y dwells., 1215-1225 Fifty-seventh St.; cost, \$10,000.

C. Tatge, two-st'y dwell., 750 Englewood St.; cost, \$3,000.

N. H. Boroman, three cottages, 2429-2433 Thirty-eighth St.; cost, \$3,000.

James Sackley, two-st'y dwell., 1768 Washington Boulevard; cost, \$10,000.

John Peterson, two-st'y dwell., 29 Truro St.; cost, \$3,000.

William Ohlhaber, two-st'y dwell., Southport and Belmont Aves.; cost, \$8,000.

Aug. Schultz, four-st'y dwell., 175 West Randolph St.; cost, \$3,000.

Columbia, Pa. — Six brick dwells.; contractor, Mr. Sneath.

Langhorne, Pa. — Pine St., dwell.; owner, Horace Woodman.

Lansdowne, Pa. — Two cottages; owner and architect, Frank A. Hays, Drexel Building, Philadelphia; builder, Frank Riggs.

Morganville, N. J. — Cottage; cost, \$3,000; owner, J. H. Becker.

Newark, N. J. — Two-and-one-half-st'y frame dwell. for W. I. Beatty; architects, Schweitzer & Diemer, Bennett Building, New York.

Overbrook, Pa. — Several brick, stone and frame dwells.; builders, Wendell & Smith.

Philadelphia, Pa. — Orleans St., s s, e Ruth St., 6 two-st'y brick dwells.; builder, Valentine Lind, 3210 Lee St.

Ruan St., n Frankford Ave., 4 three-st'y brick dwells.; builder, Andrew Anderson, 3471 Weikel St.

Green St., s s, near Thomas St., two-st'y brick dwell.; builder, Andrew Anderson, 3471 Weikel St.

Faulkrod St., e s, a Large St., two-st'y brick dwell.; builder, W. W. Worrell, 2114 East Orthodox St.

Linda St., n s, w Hancock St., 8 two-st'y brick dwells.; owner, W. Smaltz, 1545 Hutchinson St.

Ridge St., n s, w Penn St., two-st'y brick dwell.; builder, Wm. Keas, 4624 Penn St.

Front St., w s, s Westmoreland St., two-st'y brick dwell.; builder, Jos. Heaton, 3941 Marshall St.

Church St., e s, n Garden St., two-st'y brick dwell.; builders, Davies & McDonald, 1339 Sellers St.

Haworth St., e s, s Frankford Ave., 2 two-st'y brick dwells.; builder, E. H. Allen, 1618 Sellers St.

Tioga St., n e cor. Seventh St., three-st'y brick dwell.; builder, F. B. Franks, 2215 Emerald St.

Wayne St., s e cor. Dennis St., 7 two-st'y brick dwells.; builder, James Moie, 1718 Cayuga St.

(Houses Continued.)

Ann St., n s, s e Weikel St., 2 two-st'y brick dwells.; builder, W. W. Barnes, 3384 Frankford Ave.

Cherry St., n s, e Wakeling St., two-st'y brick dwell.; builder, Thos. Rush, 4938 Mulberry St.

Germanstown Ave., e s, s Dauphin St., three-st'y brick dwell.; builder, Henry G. Schultz, 2333 Germantown Ave.

Pittsburgh, Pa. — Dwell.; owner, W. C. Berger.

Haldone St., dwell.; owner, Edward Dewar.

Birmingham Ave., dwell.; owner, George Knell, St. Louis, Mo.

OFFICE-BUILDINGS.

Philadelphia, Pa. — Poplar St., s s, e Forty-first St., two-st'y brick office; builder, G. W. Steinmetz, Sixtieth and Haverford Sts.

SCHOOL-HOUSES.

Chicago, Ill. — Board of Education, three-st'y school-house; 232-256 Cornelia St.; cost, \$70,000.

Easton, Pa. — School-house; architect, John M. Stewart.

Greenville, Tenn. — Brick school-building, to cost \$12,000, will be built.

Johnstown, Pa. — School-house; architects, Smith & Robinson.

Lock Haven, Pa. — School-house soon to be built.

San Antonio, Texas. — Catholic College, to cost about \$75,000, is in contemplation.

Shenandoah, Pa. — School-house; builder, William Long.

STABLES.

Brooklyn, N. Y. — Bridge St., No. 286, two-st'y brick stable, gravel roof; cost, \$3,300; owner, Estate of Mary B. Wellsher, Capt. Campbell, Trustee; architects, Parfitt Bros., Court St.; builder, O. K. Buckley, 150 Navy St.

Camden, N. J. — Sykean and Seventh Sts., rear, one-st'y frame stable; P. Hooley.

Philadelphia, Pa. — Edmund St., w s, s Princeton St., two-st'y brick stable; builder, P. E. Costello, Tacony.

Pulaski St., w s, n Apsley St., one-st'y brick stable; builder, Geo. Wood, 4646 Rubicam St.

Hofnagle St., s s, e Erie Ave., two-st'y brick stable; builder, Jos. Ashby, Fox Chase, Pa.

Oak Lane, w s, e Tenth St., two-st'y brick stable; builders, Boyer & Parker, Station A, Oak Lane.

Bridge St., n w cor. Jackson St., two-st'y brick stable; builder, Amos W. Linn, 4647 Garden St.

Broad St., w s, s Brown St., one-st'y brick stable; builders, Hoersch & Weidner, 3501 North Fifth St.

Gibson's Ave., e s, n Eighty-sixth St., one-st'y brick stable; builder, Wm. Exloy, Eighty-sixth St. and Gibson's Ave.

Belmont St., w s, s Girard Ave., two-st'y brick stable; owner, Jos. Smith, 1037 Belmont Ave.

Sears St., n s, e Twenty-third St., two-st'y brick stable; owner, John Develin, 1008 South Forty-sixth St.

Wharton St., s s, e Twenty-third St., two-st'y brick stable; owner, John Develin, 1008 South Forty-sixth St.

Thirty-fourth St., w s, s Lehigh Ave., two-st'y brick stable; builder, C. E. Bartle, Thirty-third St. and Lehigh Ave.

Pechin St., e s, w Penn St., two-st'y brick stable; builder, Patrick O'Keefe, 449 Manayunk Ave.

Oak St., No. 126, rear, two-st'y brick stable; builder, Jacob H. Leiser, 1612 North Sixteenth St.

Sixty-third St., w s, n Girard Ave., one-st'y brick stable; builders, Chas. Smith & Son, 4215 Haverford St.

South Vine St., No. 63, rear, two-st'y brick stable; S. A. Wiker, 63 1/2 South Vine St.

(Continued on page 7.)

CYCLOPÆDIA OF ARCHITECTURAL ILLUSTRATION

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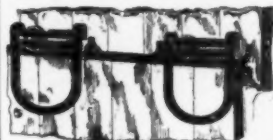
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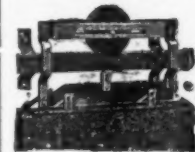


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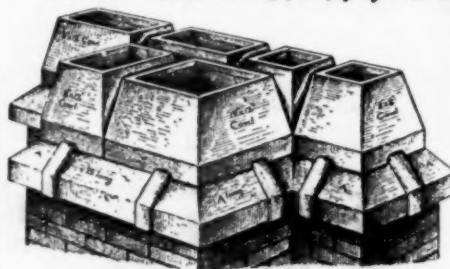
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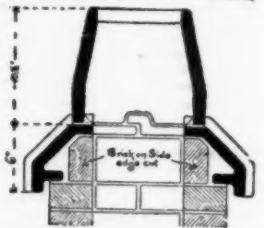
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VOL. XLI.

* REGULAR EDITION *

NO. 915.

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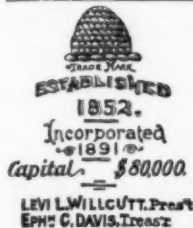
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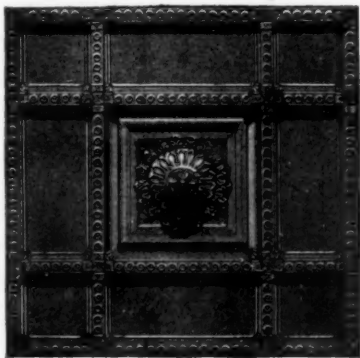
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Boards: (Ordinary dimensions.)

Pine, 1st quality, clear.....
" 2d quality.....
" 3d quality.....
Spruce.....
Hemlock.....
Yellow pine.....
Cypress.....

Clapboards:

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

Framing Timber:

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

Laths:

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

Shingles:

Pine, shaved.....
Pine, sawed.....
Spruce, sawed.....
Redwood.....
Cedar split.....
Cedar sawed.....
Cypress, Split.....

Miscellaneous:

Piles.....
Fence pickets, Common.....
Cedar posts, 9 ft. (sq. posts.).....
Chestnut posts.....

Finishing Woods: P. M. (First Qual.)

Ash.....
Cherry.....
Butternut.....
Hard-pine floors (rift).....
Mahogany, Baywood [Mexican].....
St. Domingo.....

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

New York.

Boston.

Chicago.

Philadelphia.

(Wholesale Prices.)

(Prices to Builders and Contractors.)

New York.	Boston.	Chicago.	Philadelphia.
Boards: (Ordinary dimensions.)			
Pine, 1st quality, clear.....	65 00 @ 75 00	55 00 @ 70 00	42 00 @ 50 00
" 2d quality.....	55 00 @ 60 00	42 00 @ 50 00	27 00 @ 38 00
" 3d quality.....	18 00 @ 22 00	35 00 @ 40 00	14 00 @ 20 00
Spruce.....	@ 25 00	14 50 @ 25 00	Not sold.
Hemlock.....	ea 13 1/4 @ 14	13 00 @ 15 00	@ 12 00
Yellow pine.....	20 @ 40	25 00 @ 35 00	21 00 @ 34 00
Cypress.....	@	31 00 @ 40 00	18 00 @ 34 00
Clapboards:			
Pine.....	@	38 00 @ 60 00	19 00 @ 24 00
Spruce.....	@	23 00 @ 38 00	Not sold.
Framing Timber:			
Pine.....	14 00 @ 18 00	15 50 @ 18 00	12 00 @ 17 50
Spruce.....	12 00 @ 16 00	13 00 @ 15 00	Not sold.
Hemlock.....	18 00 @ 21 00	22 00 @ 35 00	10 00 @ 13 00
Yellow pine.....			24 00 @ 34 00
Laths:			
Pine.....	2 30 @ 2 40	2 25 @ 2 50	@ 2 65
Spruce.....	Roundwood	2 35 @ 3 00	Not sold.
Shingles:	@ 2 25		
Pine, shaved.....	5 00 @ 6 00	@	Not sold.
Pine, sawed.....	4 00 @ 5 00	@ 4 50	2 60 @ 3 15
Spruce, sawed.....	1 50 @ 2 00	1 50 @ 2 00	Not sold.
Redwood.....	1 40 @ 1 60	3 75 @ 4 00	6 00 @ 7 50
Cedar split.....	@	@	Not sold.
Cedar sawed.....	@	2 00 @ 4 00	2 60 @ 2 75
Cypress, Split.....	5 00 @ 20 00	5 00 @ 6 00	3 50 @ 4 00
Miscellaneous:			
Piles.....	4 1/2 @ 5 1/2	Piles 6c. P. ft.	Cut to order.
Fence pickets, Common.....	8 00 @ 10 00	10 00 @ 18 00	P. 10 00 @ 22 00
Cedar posts, 9 ft. (sq. posts.).....	@	25 @ 50	9 @ 21
Chestnut posts.....	@	25 @ 50	Not sold.
Finishing Woods: P. M. (First Qual.)			
Ash.....	@ 55 00	45 00 @ 60 00	14 00 @ 30 00
Cherry.....	80 00 @ 120 00	90 00 @ 120 00	35 00 @ 90 00
Butternut.....	40 00 @ 60 00	60 00 @ 70 00	17 00 @ 35 00
Hard-pine floors (rift).....	@ 180 00	150 00 @ 160 00	110 00 @ 170 00
Mahogany, Baywood [Mexican].....	@ 360 00	120 00 @ 250 00	200 00 @ 250 00
St. Domingo.....	45 00 @ 50 00	45 00 @ 50 00	12 00 @ 20 00
Maple.....	@ 70 00	@ 50 00	17 00 @ 27 00
Oak, red.....	@ 70 00	50 00 @ 55 00	16 00 @ 28 00
" white.....	@ 90 00	65 00 @ 75 00	34 00 @ 40 00
" quartered.....		50 00 @ 65 00	25 00 @ 28 00
Sycamore quartered.....		50 00 @ 75 00	33 00 @ 50 00
Pine, clear.....	65 00 @ 70 00	60 00 @ 70 00	40 00 @ 45 00
Redwood.....	60 00 @ 70 00	@ 6	per M. 600 00
Rosewood.....	@ 6	32 00 @ 35 00	
Spruce floors (clear, kiln-dried).....	125 00 @ 150 00	85 00 @ 120 00	40 00 @ 75 00
Walnut, black.....	45 00 @ 50 00	40 00 @ 45 00	14 00 @ 30 00
Whitewood.....	@ 45 00	40 00 @ 42 00	31 00 @ 34 00
Yellow pine.....	P. M.		

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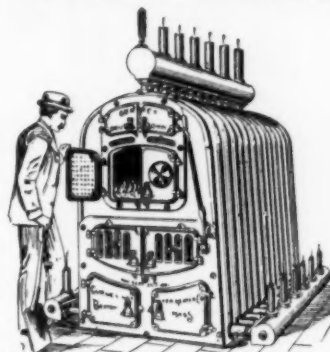
Foundation:

Wholesale Prices.

(Prices to Builders and Contractors.

Dimension.....	5 00	5 00	5 00	5 00
Block.....	4 60	4 60	4 60	4 60
Rubble.....	1 25	1 25	1 25	1 25
Bluestone: (P sq. ft.)				
Sidewalk.....	30 00	5 00	40 00	1 75
Planed.....	50 00	6 00	75 00	1 00
Sandstone:				
Longmeadow.....	80 00	90 00	90 00	90 00
Kibbe.....	90 00	90 00	90 00	90 00
Brown (Connecticut).....	1 00	1 00	1 25	1 45
Amherst Ohio.....	90 00	95 00	90 00	1 00
Berea.....	75 00	1 00	85 00	90 00
Berlin.....	75 00	1 00	80 00	90 00
Belleville.....	80 00	1 25	1 25	1 35
New Brunswick (Dorchester).....	80 00	1 00	75 00	90 00
Caen.....	80 00	1 00	75 00	90 00
Carlisle, English.....	80 00	1 00	75 00	90 00
Corse Hill (Scotch).....	80 00	1 00	75 00	90 00
Marble: (P cu. ft.)				
Leo, Mass.....	1 25	1 75	1 75	2 50
Rutland, white and blue.....	1 25	1 75	1 75	2 50
Sutherland Falls.....	1 25	1 75	1 75	2 50
Glens Falls, black.....	1 25	1 75	1 75	2 50
Italian, blue-veined.....	1 25	1 75	1 75	2 50
" Sienna.....	1 25	1 75	1 75	2 50
Tennessee, red.....	1 25	1 75	1 75	2 50
" Knoxville.....	1 25	1 75	1 75	2 50
Pennsylvania, blue.....	1 25	1 75	1 75	2 50
Vermont, white.....	1 25	1 75	1 75	2 50
Slate: Roofing (P square).....	5 00	6 00	4 75	5 25
" green.....	5 00	6 00	5 50	6 50
" unfading.....	5 00	6 00	5 50	6 50
" purple.....	5 00	6 00	5 50	6 50
" red.....	5 00	6 00	5 50	6 50
" black, Lohigh.....	4 25	4 75	5 00	5 50
" Chapmans.....	5 50	8 00	5 50	8 00
" Unfading black, Monson, Me.....	5 50	8 00	5 50	8 00
Tiles, Am.....	5 00	6 00	5 50	6 50
N. Peach Bottom, warranted unfading.....	5 00	6 00	5 50	6 50
PAINTS. (In Oil P lb.)				
White lead, Am.....	7 00	7 00	7 00	7 00
" zinc.....	5 00	5 00	5 00	5 00
Red lead, Am.....	6 00	6 00	6 00	6 00
" Venetian.....	6 00	6 00	6 00	6 00
" Vermillion.....	6 00	6 00	6 00	6 00
" Indian, Eng.....	6 00	6 00	6 00	6 00
Yellow Ochre.....	6 00	6 00	6 00	6 00
" Chrome.....	6 00	6 00	6 00	6 00
Green (chrome).....	6 00	6 00	6 00	6 00
Green, Paris.....	6 00	6 00	6 00	6 00
Black, lamp.....	6 00	6 00	6 00	6 00
Blue, ultramarine.....	6 00	6 00	6 00	6 00
Oil, linseed, (raw).....	6 00	6 00	6 00	6 00
" boiled.....	6 00	6 00	6 00	6 00
Turpentine.....	6 00	6 00	6 00	6 00
Varnish, coach.....	6 00	6 00	6 00	6 00
Shellac.....	6 00	6 00	6 00	6 00
Putty.....	6 00	6 00	6 00	6 00
Whiting.....	6 00	6 00	6 00	6 00
Paris white, (Eng).....	6 00	6 00	6 00	6 00
Litharge, Am.....	6 00	6 00	6 00	6 00
Sienna (burnt).....	6 00	6 00	6 00	6 00
Umber.....	6 00	6 00	6 00	6 00
HARDWARE.				
Nails: (Per Cask.) Spikes, (wrought).....	2 85	2 85	2 85	2 85
10d. common.....	2 85	2 85	2 85	2 85
Shingle.....	2 85	2 85	2 85	2 85
Lath.....	2 85	2 85	2 85	2 85
(Finishing nails according to size).....	2 85	2 85	2 85	2 85
(For casing nails add 75 c. per keg).....	2 85	2 85	2 85	2 85
Butts: 4" x 4"..... (P doz. pairs).....	1 00	1 00	1 00	1 00
Plain.....	1 00	1 00	1 00	1 00
Japanned.....	1 50	1 50	1 50	1 50
Acorn, Japanned.....	1 50	1 50	1 50	1 50
Ball Tip, Boston Finish..... (P pair).....	1 50	1 50	1 50	1 50
Bronze metal.....	1 50	1 50	1 50	1 50
Brass (for cupboards).....	1 50	1 50	1 50	1 50
Ebony.....	1 50	1 50	1 50	1 50
Apple wood.....	1 50	1 50	1 50	1 50
Knobs: (P set).....	8 00	8 00	8 00	8 00
Mineral, best.....	8 00	8 00	8 00	8 00
Lava.....	8 00	8 00	8 00	8 00
Hemacite.....	8 00	8 00	8 00	8 00
Porcelain.....	8 00	8 00	8 00	8 00
Glass, solid.....	8 00	8 00	8 00	8 00
Glass, silvered.....	8 00	8 00	8 00	8 00
Bronze metal.....	8 00	8 00	8 00	8 00
Brass.....	8 00	8 00	8 00	8 00
Solder:				
Sheet Lead.....	8 00	8 00	8 00	8 00
Lead Pipe.....	8 00	8 00	8 00	8 00
Iron:				
I-Beams, up to and including 30 ft.....	3 30	3 30	3 30	3 30
do. over 30 ft., 1 c. adv. for every 5 ft.....	3 30	3 30	3 30	3 30
Channel Beams.....	3 30	3 30	3 30	3 30

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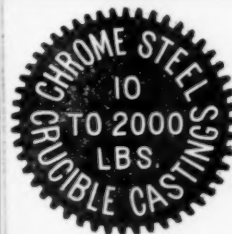
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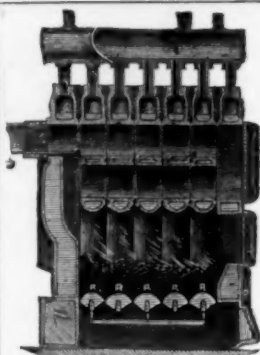
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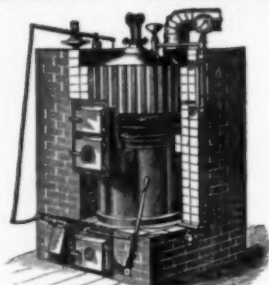
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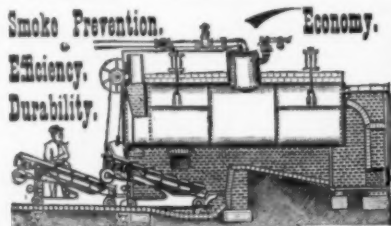
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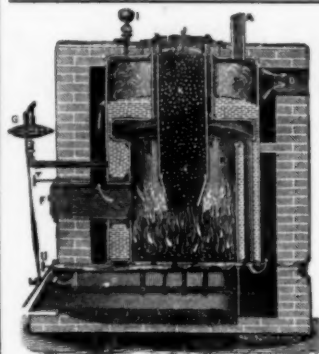
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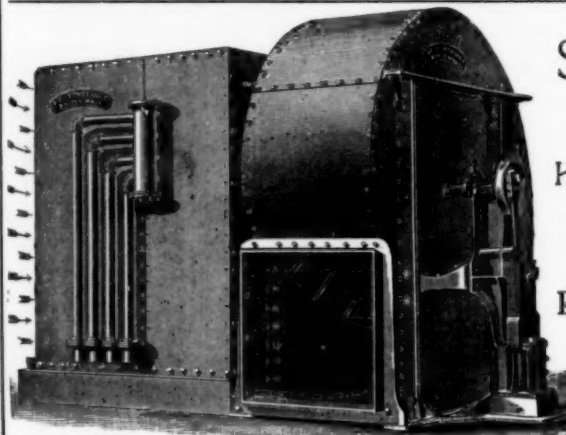
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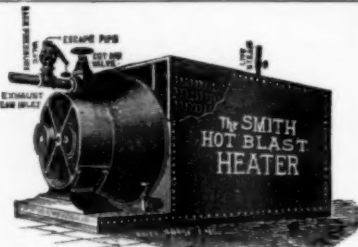
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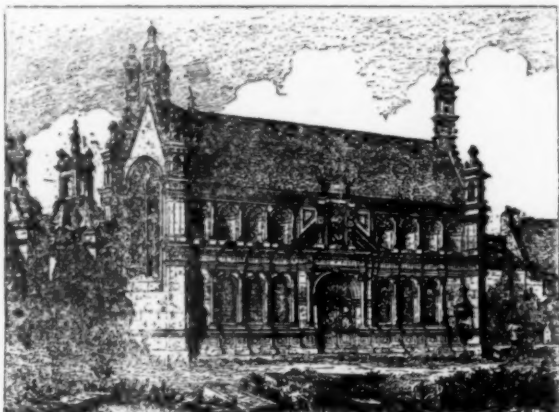
THESE stains are made to imitate the old weathered shingles of the seashore, and at a little distance cannot be distinguished from them. They have the advantage of preserving the shingles from decay, and at the same time producing the desired effect without waiting for the rather slow action of nature.

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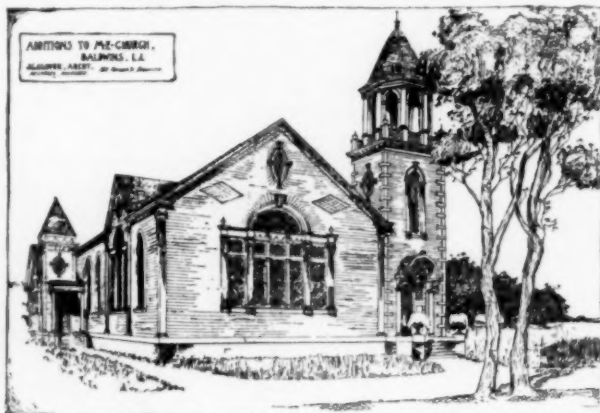
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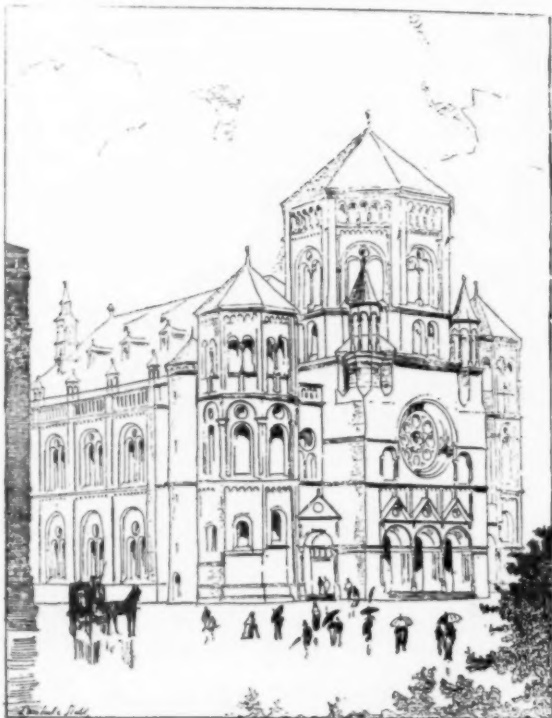
Ossuary at St. Thegonnee, Brittany.



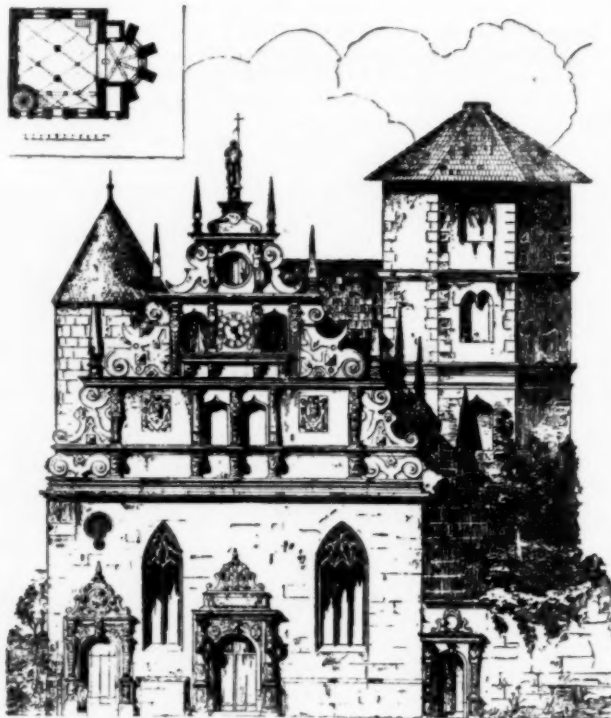
[Cross]and Chapel at Mulheim, near Soest, Germany.



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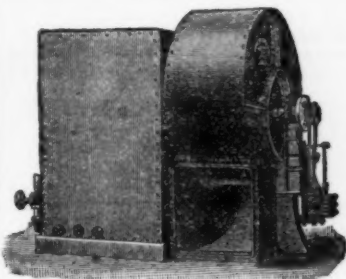
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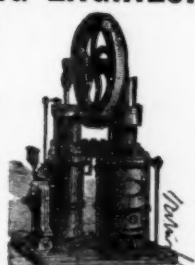
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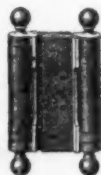
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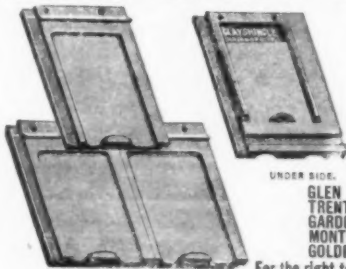
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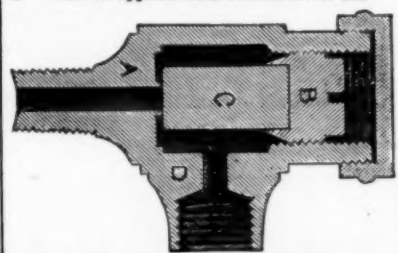
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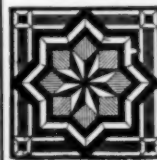
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BUILDING INTELLIGENCE.

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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.]

APARTMENT-HOUSES.

Chicago, Ill. — W. H. Cone, two-sty flats, 688 Wash-bourne Ave.; cost, \$3,000.
James Lorenz, four-sty flats, 384 West Erie Ave.; cost, \$12,000.
H. Brunken, two-sty flats, 323 Hastings St.; cost, \$3,500.
C. Voves, three-sty flats, 907 South Fairfield St.; cost, \$4,400.
Peter Kenny, two-sty flats, 869 Fulton St.; cost, \$5,300.
Frank Michaels, three-sty flats, 32 Lipzig St.; cost, \$3,500.
Kuhn Bros. & Spengler, 2 two-sty flats, 32-34 Whipple St.; cost, \$9,000.
Thomas Fitzpatrick, three-sty flats, 384 Fulton St.; cost, \$4,000.
Thomas O'Brien, two-sty flats, 6822 Justice St.; cost, \$3,000.
John Christine, two-sty flats, 1222 Roscoe St.; cost, \$3,000.
W. T. Young, three-sty flats, 1508 Newport Ave.; cost, \$6,400.
Philip Gross, three-sty flats, 65 Goethe St.; cost, \$4,000.
James McGinley, four-sty flats, 778 Jackson Boulevard; cost, \$5,000.
Joseph Mez, three-sty flats, 36 O'Brien St.; cost, \$3,000.
John Karlowaky, three-sty flats, 1682 West Twenty-third St.; cost, \$4,000.
August Grochnko, three-sty flats, 211 Barclay St.; cost, \$4,000.
C. Chaplin, 2 two-sty flats, 221-223 Avers Ave.; cost, \$7,000.
Andrew Erickson, 2 two-sty flats, 2871-2873 Paulina St.; cost, \$9,500.
Arnold P. Andree, two-sty flats, 1638 Briar Pl.; cost, \$4,000.
Emma Carlson, two-sty flats, 284 Wilson St.; cost, \$4,000.
Frank Tummins, two-sty flats, 1448 Sixty-first St.; cost, \$3,000.

HOUSES.

Boston, Mass. — Tufts St., No. 25, rear, A. B. C. D., Ward 3, four brick dwells., 29' x 30.6', 29' x 40'; owner, James W. Tufts.
Wabon St., No. 1, Ward 21, frame dwell., 23' x 55.6'; owner and builder, Joseph Philbrick.
Spring St., near George St., Ward 25, frame dwell., 24' x 28'; owner and builder, S. J. Wilde.
Houghton St., near Tilton Pl., Ward 24, three-sty frame dwell., pitch roof, 24' x 28'; owner and builder, J. H. Porter.
Chesterfield St., near East Chester Park, Ward 20,

BUILDING INTELLIGENCE.

(Houses Continued.)

7 three-sty brick dwells., flat roofs, 20' x 40'; owner, R. A. Ballou; builder, M. M. Dyer.
Standish St., near Harvard St., Ward 24, 2 three-sty frame dwells. and stores, hip roofs, 28' x 52'; owner and builder, G. P. Pinkham.
Holborn St., near Blue Hill Ave., Ward 21, two frame dwells., 26' x 33'; owner, J. Lester McLean; builder, Angus Crawford.
Mt. Everett St., near Quincy St., Ward 24, frame dwell., 25' x 52'; owner, G. W. L. Smith; builders, Murray & Waugh.
Falcon St., near Brooks St., Ward 1, frame dwell., flat roof, 23' x 60'; owner, N. S. Walker; builder, L. A. Pierce.
Bennington St., No. 212, Ward 1, three-sty frame dwell., flat roof, 21' x 42'; owner, Walter Welch; builder, Wm. Goodwin.
Gold St., Nos. 136-138, Ward 13, 2 three-sty frame dwells., flat roofs, 18.6' x 44'; owner, Jeremiah Murphy; builders, McGaragle & Co.
Gladstone St., near Breed St., frame dwell., 24' x 24'; owner, John Watson, Jr.; builder, N. D. Biswanger.
Edge Hill St., No. 3, Ward 22, frame dwell., 26' x 43'; owner, A. L. Gove; builder, H. Call.
Woodman St., near Jamaica St., Ward 23, 2 three-sty frame dwells., flat roofs, 25.6' x 64'; owner, John Patterson; builder, J. F. Sullivan.

Brooklyn, N. Y. — Seventeenth St., n. s. 275' e Seventh Ave., two-sty brick dwell., tin roof; cost, \$4,000; owner and builder, J. T. Mullen, 391 Seventeenth St.; architect, M. Bonvarlet, 274a Sixteenth St.

Chicago, Ill. — Jacob Schmook, two-sty dwell., Maynard and Milwaukee Aves.; cost, \$4,000.
C. H. Platt, 2 three-sty dwells., 3632 Vincennes Ave.; cost, \$11,000.
Samuel Harris, 2 two-sty dwells. and barn, 945 Jackson Boulevard; cost, \$15,000.
W. M. Wicker, two-sty dwell., 1403 West Monroe St.; cost, \$5,000.
E. J. Bode, 2 two-sty dwells., 729 and 790 Wash-tenaw Ave.; cost, \$6,000.
John Jones, two-sty dwell., 2026 Armour Ave.; cost, \$9,000.
Thomas Diven, 11 cottages, 605, 619 Avers Ave., 489, 490, 637 and 669 Springfield Ave.; cost, \$8,800.
William Frink, five cottages, 4735 Throop St.; cost, \$5,000.

Cincinnati, O. — H. F. Frinke, two-and-one-half-sty frame dwell., n. s. Glendora St.; cost, \$2,000; architects, Reig & Marty.
E. & K. Kerdolf, two-sty frame dwell., s. s. Church St.; cost, \$2,400; architects, Jno. Boll & Co.
Jas. Murdock, two-sty frame dwell., s. e. Grand Ave.; cost, \$7,000; architects, Sweeney & Robinson.
Mrs. Hamilton, two-and-one-half-sty brick and stone dwell., s. e. Lane Ave.; cost, \$3,500; architect, H. C. Lawrence.
Jas. Jeynes, owner and architect, two-and-one-half-sty brick and stone dwell., s. e. Glendora Ave.; cost, \$3,800.
Lewis Rose, two-and-one-half-sty brick and stone dwell., n. e. Graydon Ave.; cost, \$4,100; architect, J. J. Reuchert.

Franklin, Mass. — Frame dwell., 30' x 60'; owner, Mrs. L. M. Fiske; contract to be let; architect, S. S. Woodcock, Boston.

Montreal, Can. — St. Matthew St., dwell.; owner, Hon. F. E. Gilman; architect, E. Maxwell, New York Life Building.

Somerville, Mass. — Grant St., near Broadway, frame dwell.; owner, Mrs. Nancy E. Barnard; builder, Geo. E. Ricker.
York Terrace, frame dwell.; owner, Alice F. Fales; builder, A. M. Godfrey.
Dana St., frame dwell.; owner and builder, C. O. Abbott.

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Fronts for Buildings, Cornices, Lintels and Sills, Doors and Shutters, Girders and Beams, Fire-escape Balconies and Ladders, Columns and Roofs, Sky and Floor Lights, Stable Fittings and Fixtures, Sidewalk Lights. Artistic work in Wrought and Cast Iron, Brass and Bronze. Designs and Estimates of Cost Furnished for Work in any Department.

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Light Iron Work of every description.

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BUILDING INTELLIGENCE.

(Houses Continued.)

Albion St., two frame dwell.; owner and builder, D. N. Townsend.
Robinson St., frame dwell.; owner, Sybil J. F. Fernandez; builder, Henry J. Rice.
South Braintree, Mass.—Frame dwell., 31' x 39.6'; owner, C. H. Sprague; contract to be let; architect, S. S. Woodcock, Boston.
Worcester, Mass.—*Vernon St.*, three-st'y frame dwell.; owner, C. Peterson; contractor, O. C. Thayer.
Shattuck St., two-st'y frame dwell.; owner, A. W. Burlingame; architects, F. J. Goffonner & Leo H. Clemence.
Woodland St., two-st'y frame dwell.; owner, J. H. Shattuck; contractor, W. R. Thompson; architect, J. B. Woodworth.
Whipple St., three-st'y frame dwell.; owner, P. Sandburn; contractors, Tupper & Shugland.
Beekman St., two-st'y frame dwell.; owner, Otto Moe; contractors, Tupper & Shugland.
Raymond St., two-and-one-half-st'y frame dwell.; owner, John Forsberg; contractors, Nilson & Silven.
Rodney St., three-st'y frame dwell.; owner, Peter Anderson; contractors, Nilson & Silven.
Uxbridge St., two-st'y frame dwell.; owner, N. S. T. Haghighian; contractors, Rankin & Woodside.
Lund St., three-st'y frame dwell.; owner and contractor, F. W. Groat.
Eckman St., two-and-one-half-st'y frame dwell.; owner, A. Werme; contractors, Nilson & Silven.
Vernon St., three-st'y frame dwell.; owner, A. Wallsten; architect, Geo. H. Clemence; contractor, J. A. Courtmanche.
Ward St., three-st'y frame dwell.; owner, J. Driscoll; contractor, J. A. Kennedy.
Maywood St., two-st'y frame dwell.; owner, Geo. W. Arnold; contractor, O. C. Ward; architects, Earle & Fisher.
Bluff St., three-st'y frame dwell.; owner, M. H. Elliot; contractor, C. A. Stone.
Vernon St., two-st'y frame dwell.; owner, W. H. Thomas; architect, W. H. Harvey; contractor, C. A. Stone.
Granite St., two-st'y frame dwell.; owners, A. Erickson & A. Johnson; contractor, J. A. Hedstrom.
Gilman St., one-and-one-half-st'y frame dwell.; owner, J. E. Anderson; day work.

PUBLIC BUILDINGS.

Cumberland, Md.—Court-house, to cost \$75,000, will be built.
Double Springs, N. C.—A \$10,000 court-house will be built; contractor, A. J. Engle.

BUILDING INTELLIGENCE.

SCHOOL-HOUSES.

Chicago, Ill.—St. Luke's Congregation, two-st'y school-house and flats, Lawrence and Lyman Sts.; cost, \$3,000.
East Braintree, Mass.—Frame school-house, eight rooms, 60' x 120'; contract to be let; architects, Loring & Phipps, Boston.
Quannah, Texas.—School-building, to cost \$15,000, will be built.

STABLES.

Somerville, Mass.—*Walnut St.*, frame stable; owner, Frank J. Hamblin.

STORES.

Brooklyn, N. Y.—*North Second St.*, n w cor. Driggs Ave., four-st'y brick store and dwell., tin roof; cost, \$4,800; owners and builders, F. A. Sieghardt & Co., 410 East Eighty-fifth St., New York City; architect, A. Herbert, 147 Broadway, New York City.
Glenmore Ave., n e cor. Snediker Ave., three-st'y frame store and dwell., tin roof; cost, \$8,000; owners and builders, Gerrity Bros., 52 Leonard St.; architect, L. Dananher, 31 Watkins St.
Ashland Pl., w s, 128' 3/4' n Fulton St., three-st'y brick store and dwell., tin roof; cost, \$4,500; owner, E. F. Koefke, 396 Adelphi St.; architect, J. H. Pigot, 189 Montague St.
Jefferson St., n s, 250' e Knickerbocker Ave., 2 three-st'y frame stores and dwells., tin roof; cost, \$4,800 each; owner and builder, Constantin Reichert, 1435 De Kalb Ave.; architects, Frank & Hillenbrand, 200 Knickerbocker Ave.
Hamburg Ave., s e cor. Stockholm St.; 4 three-st'y brick stores and dwells., tin roofs; cost, \$26,500; owner, Geo. Gutting, Ralph St.
Broadway, n w cor. Greene Ave., three-st'y brick store, tin roof; cost, \$5,000; owner, R. B. Stoker, 228 Stuyvesant Ave.; architect, Frank Holmberg, 1169 Broadway.
Broadway, w s, 46' 1 1/2' n Greene Ave., three-st'y brick store and dwell., tin roof; cost, \$8,000; owner, Mr. Grassmann, 407 Jefferson Ave.; architect, Frank Holmberg, 1169 Broadway.

PROPOSALS.

United States Engineer Office, Mobile, Ala., June 10, 1893. Sealed proposals for improvement of Mobile Harbor, Ala., dredging in Mobile River, Ala., will be received at this office until 12 M. July 11, 1893, and then publicly opened. Specifications, blank forms and all available information will be furnished on application to this office. A. N. DAMRELL, Major of Engineers, U. S. A.

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410 Walnut Street, - Philadelphia, Pa.

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Boston: EDWARD CORNING & Co., 70 Kilby Street.

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Sole Agents for the United States.

PROPOSALS.

MASONRY DAM.

[At Southboro, Mass.]

Sealed proposals, addressed to the Boston Water
Board, and endorsed "Proposals for Building Dam
No. 5 in the Town of Southborough," will be received
by the Boston Water Board at their office, City-hall,
Boston, Mass., until 12 o'clock m. of Monday, the
17th day of July, 1893, and at that time will be
publicly opened and read.

All bids must be made upon blank forms, to be ob-
tained of the City Engineer, Boston, must give the
prices proposed both in writing and in figures, and be
signed by the bidder, with his address.

Each bid to be accompanied by a certified check for
two thousand dollars (\$2,000), payable to the City of
Boston, said check to be returned to the bidder unless
he fail to execute the contract, should it be awarded
to him.

A bond for one hundred thousand dollars (\$100,000)
will be required for the faithful performance of the
contract, the sureties to be residents of Massachusetts
and satisfactory to said Boston Water Board.

The person or persons to whom the contract may
be awarded will be required to appear at this office
with the sureties offered by him or them, and exe-
cute the contract within six days (not including Sun-
day) from the date of notification of such award, and
the preparation and readiness for signature of the
contract; and, in case of failure or neglect so to do,
he or they will be considered as having abandoned it,
and the check accompanying the proposal shall be
forfeited to the City of Boston.

All bids will be considered on the basis of the engi-
neer's estimate of quantities of work to be done,
which is as follows:

- (a) 14,000 cubic yards soil excavated and placed in
spoil-banks.
- (aa) 13,900 cubic yards soil excavated from spoil-
banks and placed on dam.
- (b) 1,610 square yards sodding.
- (bb) 5 acres seeding.
- (c) 230,000 cubic yards earth excavation (trenches,
embankments and back-filling).
- (cc) 10,000 cubic yards rehandling of excavated mate-
rials.
- (d) 13,400 cubic yards rock-excitation.
- (e) 2,000 feet board-measure timber-work.
- (ee) 2,000 feet board-measure timber-work (tongued-
and-grooved).
- (f) 100 barrels Portland cement.
- (g) 14,000 cubic yards concrete masonry.
- (gg) 800 cubic yards concrete masonry.
- (h) 9,270 square yards plastering.
- (i) 256 cubic yards brick masonry.
- (j) 7,500 cubic yards paving. (1)
- (k) 10,100 cubic yards riprap.
- (l) 5,400 cubic yards broken stone. (2)
- (m) 22,300 cubic yards rubble-stone masonry.

THE RANDOM ROCK-FACED ASHLAR,

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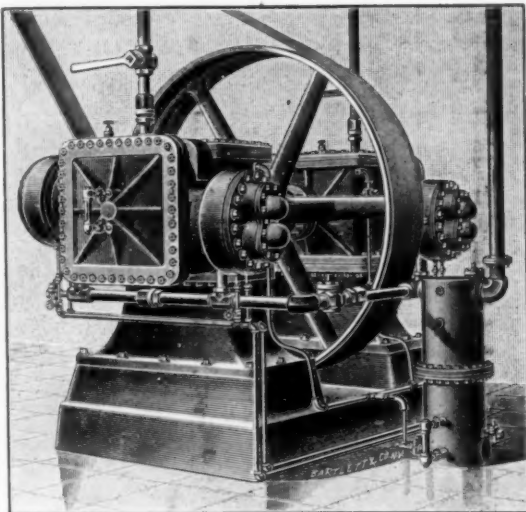
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It may take power from the same shaft that runs the electric-lights, elevators, laundry, etc., or from an independent electric-motor or gas-engine.

It needs no special attendant, but becomes simply a part of the general plant in charge of the engineer.

It occupies only a fraction of the space of any other machine.

It is light running and noiseless, and has no equal in the economical use of water and power.

To illustrate. We fit up an Apartment-house, distributing refrigeration to all parts of the building;—equip permanent cooling boxes, both for the tenants and the steward, including freezing temperatures if required;—maintain a constant supply of drinking-water in block-tin coolers;—make ice for table use; freeze caraffes of water, ice creams, etc., for the restaurant—and at almost nominal cost for operation.

This is a department wholly distinct from the ordinary commercial uses of Refrigeration, and we are giving it the benefit of our best engineering.

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PROPOSALS.

- (a) 13,300 square feet facing-stone masonry (broken ashlar work).
- (b) 3,650 cubic yards facing-stone masonry (range work).
- (c) 320 linear feet coping.
- (d) 290 cubic yards dimension stone masonry.
- (e) 4,110 square feet hammered work.
- (f) 1,000 cubic yards masonry laid in American cement mortar 1 to 1, an additional price per cubic yard.
- (g) 1,000 cubic yards masonry laid in Portland cement mortar 1 to 1, an additional price per cubic yard.
- (h) 1,000 cubic yards masonry laid in Portland cement mortar 1 to 2, an additional price per cubic yard.
- (i) 1,000 cubic yards masonry laid in Portland cement mortar 1 to 3, an additional price per cubic yard.
- (j) 1,575 linear feet walk.

These quantities are approximate only, and the Boston Water Board expressly reserves the right of increasing or diminishing the same, as may be deemed necessary by its Engineer.

Plans can be seen, and specifications and forms of proposal and contract obtained, at the office of the City Engineer, City Hall, Boston.

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

ROBERT GRANT,
THOMAS F. DOHERTY,
JOHN W. LEIGHTON,
Boston Water Board.

OFFICE OF BOSTON WATER BOARD,

CITY HALL, BOSTON, JULY 1, 1893.

- (1) 3,200 cubic yards if riprap is used. (2) 2,800 cubic yards if riprap is used.

915

Treasury Department, Office Supervising Architect, Washington, D. C., June 30, 1893. Sealed proposals will be received at this office until 2 o'clock P. M. on the 26th day of July, 1893, and opened immediately thereafter, for all the labor and materials required for the interior finish of the United States Court-house, Custom-house and Post-office building at

PROPOSALS.

Duluth, Minnesota, including plumbing, lathing, plastering, iron stairs, elevator grille work, concrete floors, joiner work, wood flooring, marble work, painting, polishing, glass, hardware, etc., in accordance with the drawings and specification, copies of which may be had at this office or the office of the Superintendent at Duluth, Minnesota. Each bid must be accompanied by a certified check for a sum not less than two per cent of the amount of the proposal. The right is reserved to reject any and all bids and to waive any defect or informality in any bid if it be deemed in the interest of the Government to do so. All bids received after the time stated will be returned to the bidders. Proposals must be enclosed in envelopes, sealed and marked "Proposal for Interior Finish of the United States Court-house, Custom-house and Post-office at Duluth, Minnesota," and addressed to JEREMIAH O'ROURKE, Supervising Architect.

916

Treasury Department, Office Supervising Architect, Washington, D. C., July 1, 1893. Sealed proposals will be received at this office until 2 o'clock P. M. on the 27th day of July, 1893, and opened immediately thereafter, for all the labor and materials required for the approaches to the United States Court-house, Post-office and Custom-house, Bay City, Michigan, in accordance with drawings and specification, copies of which may be had on application at this office or the office of the Superintendent at Bay City, Mich. No convict labor nor the product of any convict labor will be allowed in this work. Each bid must be accompanied by a certified check for a sum not less than two per cent of amount of the proposal. The right is reserved to reject any or all bids, and to waive any defect or informality in any bid, if it be deemed in the interest of the Government to do so. All bids received after the time stated will be returned to the bidders. Proposals must be enclosed in envelopes sealed and marked "Proposal for the Approaches for the United States Court-house, Post-office and Custom-house, Bay City, Mich.," and addressed to JEREMIAH O'ROURKE, Supervising Architect.

916

PROPOSALS.

Treasury Department, Office Supervising Architect, Washington, D. C., June 28, 1893. Sealed proposals will be received at this office until 2 o'clock P. M. on the 21st day of July, 1893, and opened immediately thereafter, for all the labor and materials required to put in place complete the basement columns, first-floor ironwork, stone-bearing blocks, etc., for the United States Post-office and Court-house at Kansas City, Mo., in accordance with the drawings and specification, copies of which may be had at this office or the office of the Superintendent at Kansas City, Mo. No convict labor nor the product of any convict labor will be allowed in the work. Each bid must be accompanied by a certified check for a sum not less than two per cent of the amount of the proposal. The right is reserved to reject any or all bids, and to waive any defect or informality in any bid, should it be deemed in the interest of the Government to do so. All bids received after the time stated will be returned to the bidders. Proposals must be enclosed in envelopes sealed and marked "Proposal for Basement Columns, First-floor Ironwork, Stone-bearing Blocks, etc., for the United States Post-office and Court-house at Kansas City, Mo.," and addressed to JEREMIAH O'ROURKE, Supervising Architect.

916

Treasury Department, Office of the Supervising Architect, Washington, D. C., June 23, 1893. Sealed proposals will be received at this office until 2 o'clock P. M. on the 20th day of July, 1893, and opened immediately thereafter, for all the labor and materials required for the cut stone-work and brick-work of the superstructure of the United States Court-house, Custom-house and Post-office building at Omaha, Nebraska, in accordance with the drawings and specification, copies of which may be had at this office or the office of the Superintendent at Omaha, Nebraska. No convict labor nor the use of any product of convict labor will be allowed in the work. Each bid must be accompanied by a certified check for a sum not less than two per cent of the amount of the proposal. The right is reserved to reject any or all bids, or to

Treasury Department, Office Superintending Architect,
Washington, D. C., June 26, 1893. Sealed propo-
sals will be received at this office until 2 o'clock P. M.
on the 21st day of July, 1893, and opened immedi-
ately thereafter, for the iron stairs and the interior
iron and copper work for the United States Post-
office, Court-house, etc., building at Troy, N. Y., in
accordance with the plans and specifications herewith
inclosed, of which may be had at this office or the office
of the Superintendent at Troy, N. Y. No convict
labor nor any product of convict labor will be al-
lowed in the work. Each bid must be accompanied
by a certified check for a sum not less than two per
cent of the amount of the proposal. The Depart-
ment reserves the right to reject any or all bids, or
to award the contract to any bidder, and it is un-
derstood that it is deemed in the interest of the Government to
do so. All bids received after the time stated for
opening same will be returned to the bidders. Propo-
sals must be enclosed in envelopes sealed and
marked "Proposal for the Iron Stairs and the Interior
Iron and Copper Work for the United States
Post-office, Court-house, etc., at Troy, N. Y., and
addressed to JEREMIAH O'ROURKE, Superintendent,
Architect. 915

Du Bois Manufacturing Co.,
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Fire Clay,
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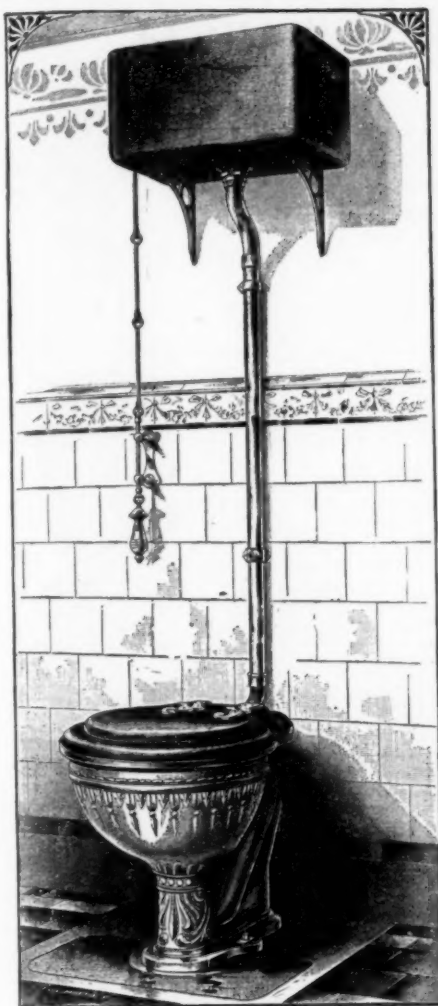
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— AND —
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The (E) indicates that the advertisement may be found in the last or the following issue: the (M) that it may be found in the first issue for each month.

A.	B.	C.	D.	E.	F.	G.	H.	I.	J.	K.	L.	M.	N.	O.	P.	Q.	R.	S.	T.	U.	V.	W.	X.	Y.
Adco & Co., Prod.....xviii	Babcock & Wilcox.....xi	Cabaret, Paul E.....xi	Dauchy Iron Works.....xvii	Engineering Employment Bureau.....xii	Archang's Sons, John.....xix	Gates, W. H.....xvi	Haberstroh & Son, L.....ii	Indianapolis Terra-Cotta Co.....xx	Jackson Architectural Iron Works.....xiv	Kansas City Steam Specialty Co.....vi	Lake Co., J. H. & D.....xi	Mason & Co., Volney W.....i	Nassau, James.....xix	Oakley & Keating.....xii	Page Steam Heating Co.....xvi	Randolph & Closures.....x	Samson Cordage Works.....xi	Scheffelin, W. H. & Co.....xv	Taylor, J. N. & G.....xi	U. S. Mineral Wool Co.....xviii	Valle & Young.....(Cov.) 2	Waldo Bros.....xx	Warren Chemical & Mfg. Co.....x	Yale & Towne Mfg. Co.....v
Aschbach & Pellmar.....xviii	Bailley Reflector Co.....xi	Cabot, S.....xvii	Detroit Sanitary Supply Co.....xviii	Devco & Co., F. W.....xi	Fisher & Co., Robert C.....xix	Globe Ventilator Co.....xviii	Haines, Jones & Cadbury Co.....xvii	Insurance Co. of North America.....ii	Jackson, E. A. & Bro.....xix	Kenney & Watters.....(Cov.) 3	Aschbach & Pellmar.....xviii	Matthews Decorative Glass Co.....xi	National Wood Mfg. Co.....x	Obdyke & Co., W. Austin.....xii	Pacific Railing Mill Co.....xv	Hartman Bros & Farnham Brick Co.....xix	Schillinger, J.....xi	Shannon, J. B. & Sons.....xviii	Taylor, Farnum.....xi	Van Noorden & Co., E.....(Cov.) 2	Warren Chemical & Mfg. Co.....x	Yale & Towne Mfg. Co.....v		
Albro Co., E. D.....xviii	Baily & Truscott.....xi	Chromie Steel Works.....xi	Devco & Co., F. W.....xi	Dexter Bros.....xi	Flake, Homes & Co.....xviii	Goldthwaite, Wm. M.....xi	Hansen, H. M.....xvii	Interior Conduit & Insulation Co.....xiv	Jackson, E. A. & Bro.....xix	Karr, C. F.....vi	Aschbach & Pellmar.....xviii	Maunser & Son, Henry.....xix	New England Asphalt Co.....x	Okonite Co. (Ld.).....xi	Peerless Brick Co.....xii	Read, J. J.....xi	Shannon, J. B. & Sons.....xviii	Thiele, E.....(Cov.) 3	Van Noorden & Co., E.....(Cov.) 2	Warren Chemical & Mfg. Co.....x	Yale & Towne Mfg. Co.....v			
Allen's Cement Works.....(Cov.) 4	Balmer, Thos. & Sons.....xi	Clark, Bunnett & Co.....(Cov.) 4	Devco & Co., F. W.....xi	Dexter Bros.....xi	Fleming Cement & Brick Co.....xi	Gordon & Lidgerwood Co.....xi	Harrisburg Boiler & Mfg. Co.....xi	Interconduit & Insulation Co.....xiv	Jackson, E. A. & Bro.....xix	Kemper, Alfred C.....(Cov.) 3	Aschbach & Pellmar.....xviii	Merchant & Co.....xi	New England Portland Cement Co.....(Cov.) 3	Ostrander & Co., W. H.....xi	Perth Amboy Terra-Cotta Co.....xi	Richardson & Boynton Co.....xii	Shannon, J. B. & Sons.....xviii	Thorn, J. S. Co.....xiv	Van Wagner & Williams Co.....xi	Warren Chemical & Mfg. Co.....x	Yale & Towne Mfg. Co.....v			
Amory Lighting Protection Co.....v	Balmer, Thos. & Sons.....xi	Clark, G. S.....xi	Devco & Co., F. W.....xi	Dexter Bros.....xi	Flynt Building & Construction Co.....(Cov.) 3	Groves & Steel, R. S.....xi	Harrisburg Boiler & Mfg. Co.....xi	Interior Conduit & Insulation Co.....xiv	Jackson, E. A. & Bro.....xix	Kemper, Alfred C.....(Cov.) 3	Aschbach & Pellmar.....xviii	Miller & Bro., James A.....xiii	New Jersey Wire Cloth Co.....xii	Ostrander & Co., W. H.....xi	Phenix Iron Co.....xiv	Rider Engine Co.....xi	Shannon, J. B. & Sons.....xviii	Thorn, J. S. Co.....xiv	Van Wagner & Williams Co.....xi	Warren Chemical & Mfg. Co.....x	Yale & Towne Mfg. Co.....v			
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(Patent applied for.)

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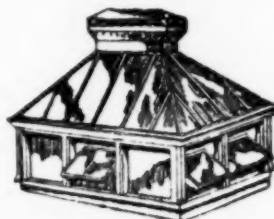
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Fred. F. Biehoff & Co., Chicago, Ill. (mon)
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Tucker & Co., Boston
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J. B. Shannon & Sons, Philadelphia. (mon)

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Brick (Colored).
Jardine Brick Co., Philadelphia, Pa.
Brick (Ornamental).
Fleming Cement & Brick Co., New York. (sew)
W. H. Gates, Boston, Mass. (sew)
Hydraulic Press Brick Co., St. Louis
Peerless Brick Co., Philadelphia, Pa.
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The Frey, Rheckler Co., Bayreuth, O. (sew)
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F. O. Norton Cement Co., N. Y.
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Allen's Cement Works, New York, N. Y. (sew)
Brooks, Shadbridge & Co., New York
Dickinson Bros. & King, New York
Fleming Cement & Brick Co., New York. (sew)
Johnson & Wilson, New York
J. B. King & Co., New York
Lawrence Cement Co., New York, N. Y.
E. Thiele, New York, N. Y.
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H. M. Hansen, Chicago, Ill. (mon)
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Chrome Steel Works, Brooklyn, N. Y. (sew)
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Climax Hall.
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Soderline Standing-Room Conductor Co.,
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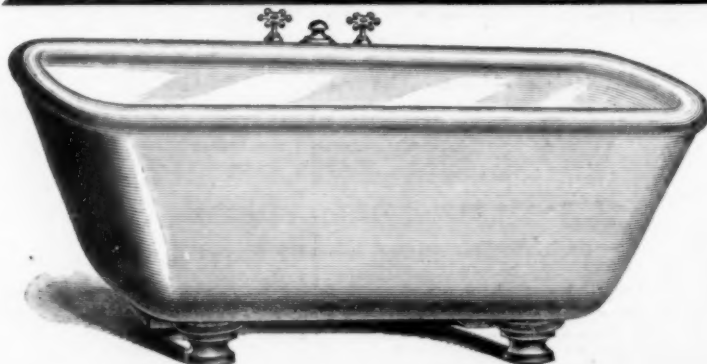
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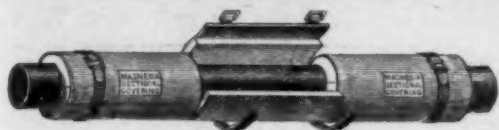
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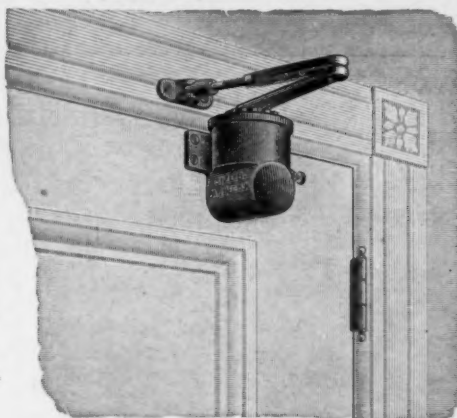
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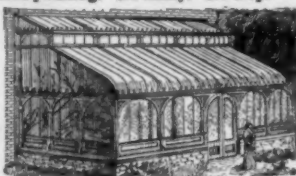


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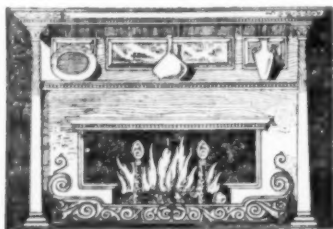
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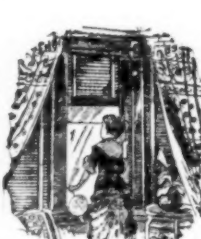
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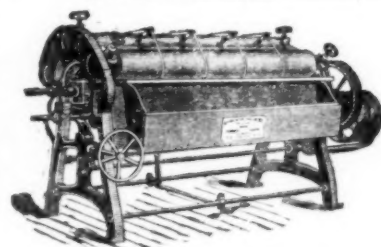
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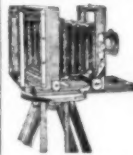
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" 2d quality.....	55 00 @ 60 00	42 00 @ 50 00	27 00 @ 38 00	40 00 @ 45 00
" 3d quality.....	18 00 @ 22 00	35 00 @ 40 00	14 00 @ 20 00	30 00 @ 35 00
Spruce.....	25 00 @ 25 00	14 50 @ 25 00	Not sold.	16 00 @ 20 00
Hemlock.....	ea 134 @ 14	13 00 @ 15 00	@ 12 00	11 25 @ 13 50
Yellow pine.....	20 @ 40	25 00 @ 35 00	21 00 @ 34 00	14 00 @ 29 00
Cypress.....	@	31 00 @ 40 00	18 00 @ 34 00	@ 35 00
Clapboards:				
Pine.....	@	38 00 @ 60 00	19 00 @ 24 00	14 00 @ 25 00
Spruce.....	@	23 00 @ 38 00	Not sold.	Not sold.
Framing Timber:				
Pine.....	14 00 @ 18 00	15 50 @ 18 00	12 00 @ 17 50	25 00 @ 37 30
Spruce.....	12 00 @ 16 00	13 00 @ 15 00	Not sold.	16 00 @ 18 00
Hemlock.....	18 00 @ 21 00	22 00 @ 35 00	10 00 @ 13 00	13 00 @ 17 00
Yellow pine.....			24 00 @ 34 00	22 00 @ 28 00
Laths:				
Pine.....	@	2 25 @ 2 50	@ 2 65	2 75 @ 3 00
Spruce.....	Slab @ 2 50	2 35 @ 3 00	Not sold.	2 30 @ 3 00
Shingles:				
Pine, shaved..... P. M.	5 00 @ 6 00	@	Not sold.	
Pine, sawed..... "	4 00 @ 5 00	@ 4 50	2 40 @ 3 15	
Spruce, sawed..... "	1 50 @ 2 00	1 50 @ 00	Not sold.	
Redwood..... P. 125.	1 40 @ 1 60	3 75 @ 4 00	6 00 @ 7 50	
Cedar split..... P. M.	@	@	Not sold.	
Cedar sawed..... "	@	2 00 @ 4 00	2 60 @ 2 75	
Cypress, Split..... 7 x 24. "	18 00 @ 20 00	5 00 @ 6 00	3 50 @ 4 00	
Miscellaneous:				
Piles..... P. ft.	44 @ 54	Piles 6c. P. ft.	Cut to order.	
Fence pickets, Common.....	8 00 @ 10 00	10 00 @ 18 00	P. 10 00 @ 22 00	9 00 @ 13 00
Cedar posts, 9 ft. (sq. posts.).....	@	25 @ 50	9 @ 21	40 @ 1 25
Chestnut posts.....	@	25 @ 50	Not sold.	20 @ 30
Finishing Woods: P. M. (First Qual.)				
Ash.....	@ 55 00	45 00 @ 60 00	14 00 @ 30 00	42 50 @ 47 50
Cherry.....	80 00 @ 120 00	90 00 @ 120 00	35 00 @ 90 00	100 00 @ 120 00
Butternut.....	40 00 @ 60 00	60 00 @ 70 00	17 00 @ 35 00	70 00 @ 80 00
Hard-pine floors (rift).....		45 00 @ 50 00		
Mahogany, Baywood (Mexican).....	@ 180 00	150 00 @ 160 00	110 00 @ 170 00	150 00 @ 250 00
" St. Domingo.....	@ 350 00	120 00 @ 350 00	200 00 @ 250 00	200 00 @ 400 00
Maple.....	45 00 @ 50 00	45 00 @ 50 00	12 00 @ 20 00	25 00 @ 55 00
Oak, red.....	@ 70 00	@ 50 00	17 00 @ 27 00	42 50 @ 55 00
" white.....	@ 70 00	50 00 @ 55 00	16 00 @ 28 00	45 00 @ 55 00
" quartered.....	@ 90 00	65 00 @ 75 00	34 00 @ 40 00	60 00 @ 75 00
Sycamore quartered.....		50 00 @ 65 00	25 00 @ 28 00	57 50 @ 65 00
Pine, clear.....	65 00 @ 70 00	50 00 @ 75 00	33 00 @ 50 00	@ 55 00
Redwood.....	60 00 @ 70 00	60 00 @ 70 00	40 00 @ 45 00	60 00 @ 75 00
Rosewood..... P. M.	@ 6		per M. 600 00	
Spruce floors (clear, kiln-dried).....		32 00 @ 35 00		
Walnut, black.....	125 00 @ 150 00	85 00 @ 120 00	40 00 @ 75 00	50 00 @ 170 00
Whitewood.....	45 00 @ 50 00	40 00 @ 45 00	14 00 @ 30 00	25 00 @ 40 00
Yellow pine..... P. M.	@ 45 00	40 00 @ 42 00	31 00 @ 34 00	@ 45 00

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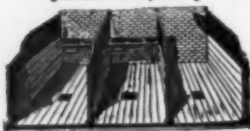
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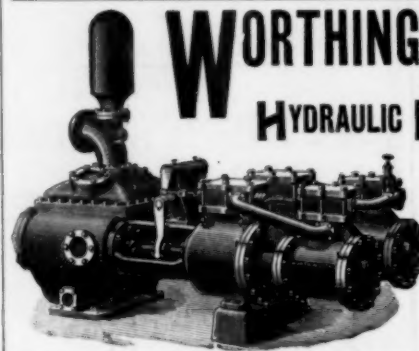
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Up River.....	5 00 @ 5 50			Sq. " @ 9 00
Haverstraw Bay 2d.....	5 25 @ 5 50	Domestic Com.	Indiana Pressed	Light Stretchers
" 1st.....	5 50 @ 5 75	9 50 @ 10 00	14 00 @ 20 00	Medium " @ 10 00
Hollow.....	@ 13 00	Domestic Face	St. Louis Fronts	Red " @ 12 00
Fronts:		20 00 @ 22 00	@ 27 00	Dark " @ 13 00
Croton, Brown.....	9 00 @ 12 00	Philadelphia }		Pressed " @ 13 00
" dark.....	10 00 @ 13 00	40 00 @ 45 00 }		18 00 @ 20 00
" red.....	10 00 @ 13 00	Phila. mould }		Best Paving " @ 14 00
Chicago pressed (Anderson).....		50 00 @ 80 00 }		Second " @ 13 00
" Moulded.....				Third " @ 12 00
Baltimore.....	37 00 @ 41 00			
Philadelphia.....	23 00 @ 24 00			
Trenton.....	@ 19 00			
Milwaukee.....				
Moulded:				
Glens Falls Red Pressed.....	@ 37 00			
" " Buff.....	@ 30 00			
" " Moulded Red & Buff.....	45 00 @ 70 00			
Enamelled: Imp.				
Enamelled (edge).....	85 00 @ 100 00			
Enamelled (edge and end).....	90 00 @ 115 00			
CEMENT, LIME, etc.—(P. M.)				
Rosendale Cement.....	95 @ 1 10	1 15 @ 1 25	Not sold.	1 30 @ 1 50
Louisville.....		Brooks, S. & Co.	1 05 @ 1 15	BS&Co 2 75 @ 3 00
Utica, Akron, Buffalo, Milw'kee.....	Not sold.	2 40 @ 2 75	1 00 @ 1 10	2 85 @ 3 25
Portland, English (Gibbs).....	2 25 @ 2 50	2 40 @ 2 75	3 00 @ 3 10	2 85 @ 3 15
" " (K. B. & S.).....	2 50 @ 3 00	2 40 @ 2 75	3 00 @ 3 25	2 75 @ 3 00
" " Black Cross.....	2 25 @ 2 50	2 40 @ 2 75	3 00 @ 3 25	2 85 @ 3 15
" " (Burnham).....	2 50 @ 2 50	2 40 @ 2 75	2 90 @ 3 15	2 75 @ 2 85
" " (White's).....	2 65 @ 3 00	2 40 @ 2 75	3 00 @ 3 25	
" French (Lafarge).....	3 60 @ 3 75	@ 5 00	3 75 @ 4 25	
" German (Alsen).....	2 90 @ 3 25	3 00 @ 3 50	@ 3 20	Hemmoor 2 50 @ 2 75
" " (Fowler).....	2 25 @ 2 40		3 20 @ 3 40	2 75 @ 2 85
" " (Voorhoefer).....	2 50 @ 2 90			
" " (Lagerhofer).....	@			
" " (Dyckerhoff).....	2 60 @ 2 90	Cleopatra 2 40 @ 2 75	2 75 @ 3 00	Josson 2 60 @ 2 75
" " (Hanover).....	2 35 @ 3 00	3 00 @ 3 50	3 25 @ 3 50	3 00 @ 3 25
" " Stettin (Anchor).....	2 15 @ 2 25	Condor 2 50 @ 2 75	Not sold.	2 75 @ 2 85
" American (Saylor's).....	2 35 @ 2 85	Wedge 2 40 @ 2 75	Not sold.	
Roman.....	2 15 @ 2 25	2 15 @ 2 50	2 00 @ 2 70	2 70 @ 3 00
Keene's coarse.....	2 75 @ 3 00	@ 3 50	2 75 @ 3 25	3 00 @ 3 50
" superfine.....	4 50 @ 5 00	@ 6 00	6 00 @ 7 00	6 50 @ 7 00
	5 00 @ 5 50	7 00 @ 9 00	9 00 @ 10 50	8 00 @ 9 00
LIME:				
Lime of Tell.....	3 50 @ 4 00		Not sold.	White Lime 25 @ bush
Hydraulic Lime.....	@ 1 45	@ 1 35		White Mash 1 25 @ 1 50
Chicago Lime in bulk.....		St. John 1 00	60 @ 70	1 00 @ 1 00
Wisconsin Lime.....	@ 90	@ 1 05		
Rockland and Rockport, (Com.).....	@ 1 00	@ 1 10	Not sold.	
Rockland and Rockport, finish.....	@ 1 20	@ 1 30	Not sold.	
Kelley Island Lime, finish.....	@ 1 20		1 00 bulk, 75c.	
State, com. cargo rates (nom.).....	80 @ 85	Not sold.	Not sold.	Not sold.
State, finishing.....	1 05 @ 1 10	Not sold.	Not sold.	Not sold.
Plaster of Paris (calcined).....	1 40 @ 1 50	1 85 @ 2 00	1 85 @ 1 90	1 50 @ 2 25
" (casting).....	@ 1 60	@ 2 25	1 85 @ 1 90	1 75 @ 2 50
Hair (Cattle) 2 bush.....	16 @ 18	25 @ 30	16 @ 20	20 @ 25
" (Goat).....	18 @ 21	@ 30	30 @ 35	30 @ 35
Sand, 2 load.....	1 00 @ 1 25	1 75 @ 1 90	@ 60	@ 1 50
STONE. (P cubic foot, rough.)				
Granite: (Maine)		@ 60		55 @ 65
Limestone:				
Bedford.....	45 @ 1 25	95 @ 1 00	50 @	75 @ 85
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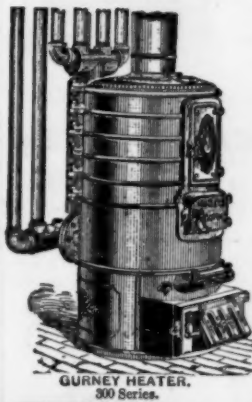
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Dimension.....	5 00	5 00	20	5 00
Block.....	4 60	4 60	15	4 50
Rubble.....	1 25	1 25	8 50	1 45
Blue stone: (P sq. ft.)				2 50
Sidewalk.....	30	40	75	1 in. th. 10
Planned.....	50	75	50	37
Sandstone:				
Longmeadow.....	80	80	95	1 05
Kibbe.....	90	90	1 05	1 25
Brown (Connecticut).....	1 00	1 25	1 50	1 05
Amherst Ohio.....	90	90	45	85
Berea.....	75	85	45	55
Berlin.....	75	80	55	85
Belleville.....	80	1 25	1 25	1 00
New Brunswick (Dorchester).....	1 00	75		1 05
Caen.....	1 05	2 00		1 25
Carlisle, English.....	1 05	1 05		95
Corse Hill (Scotch).....	1 05	1 05		95
Marble: (P cu. ft.)				
Leo, Mass.....		1 75	3 50	2 00
Rutland, white and blue.....	1 25	3 00	3 50	2 00
Sutherland Falls.....	1 75	2 00	3 50	1 70
Glens Falls, black.....			4 40	4 00
Italian, blue-veined.....			4 40	2 50
" Sienna.....			4 40	2 75
Tennessee, red.....			4 40	5 00
" Knoxville.....			4 40	4 00
Pennsylvania, blue.....			3 50	3 00
Vermont, white.....			6 00	2 25
Slate: Roofing (P square).....				
" green.....	5 00	4 75	5 50	2 30
" unfading.....	6 00	5 25	6 10	3 00
" purple.....	5 00	5 50	7 10	3 25
" red.....	10 00	5 50	14 00	3 50
" black, Lehigh.....	4 25	10 00	6 25	5 00
" Chapman.....	4 75	11 00	6 85	10 25
" Unfading black, Monson, Me.....	5 50	7 30	8 00	8 25
Tiles, Am.....	5 50	8 00	9 00	00
N. Peach Bottom, warranted unfading.....			Not Sold.	5 50
PAINTS. (In Oil, P lb.)				6 00
White lead, Am.....	7	6 1/2	7	7 1/2
" zinc.....	8	8	5	10 1/2
Red lead, Am.....	6 1/2	7	6 1/2	7
" Venetian.....	6	7	12	24
" Vermillion.....	65	70	65	68
" Indian, Eng.....	12	12	12	20
Yellow Ochre.....	6	7	3	15
" Chrome.....	12	18	15	25
Green (chrome).....	8	8	8	25
Green, Paris.....	25	25	8	30
Black, lamp.....	15	15	12	35
Blue, ultramarine.....	12	18	8	30
Oil, linseed, (raw).....	55	51	57	60
" " boiled.....	58	54	60	63
Turpentine.....	36	35	40	42
Varnish, coach.....	1 50	6 00	1 25	2 00
Shellac.....	2 50	3 00	2 25	4 00
Putty.....	2	4	2	24
Whiting.....	75	1 00	1	14
Paris white, (Eng.).....	1 30	2 00	1 1/2	2
Litharge, Am.....	54	6	6 1/2	7
Sienna (burnt).....	14	20	4	16
Umber.....	14	20	2	10
HARDWARE.				
Nails: (Per Cask.) Spikes, (wrought.)	2 85		2 35	3 50
10d. common.....	2 60	2 20		1 95
Shingle.....	3 35	2 65		2 35
Lath.....	4 85	3 20		3 25
(Finishing nails according to size.)			Add .85 to \$2.25	
(For casing nails add 75 c. per keg.)			.50 to .90	
Butts: 4" x 4".....			90	
Plain.....	1 00	1 20	Not Sold.	
Japaned.....	1 50	1 75	2 00	3 75
Acorn, Japaned.....	1 50	1 90	Not Sold.	
Ball Tip, Boston Finish.....	65	50	2 00	3 25
Bronze metal.....	1 90	1 65		12
Brass (for cupboards).....	10	10		
Ebony.....				
Apple wood.....				
Knobs: (P set.)				
Mineral, best.....	8	8	8	10
Lava.....	50	75	65	30
Hemlock.....	Not Sold.	17	31	40
Porcelain.....	30	10	25	30
Glass, solid.....	Not Sold.	50	Not Sold.	
Glass, silvered.....	Not Sold.	88	1 50	
Bronze metal.....	75	3 00	50	3 00
Brass.....	1 00	2 50	1 50	3 00
Solder:				
Sheet Lead.....		7 1/2	14	16
Lead Pipe.....		6 1/2	5 1/2	6
Iron:				
I-Beams, up to and including 30 ft.....	3 3-10	3 4-10		2 8-10
do. over 30 ft., 1/2 c. adv. for every 5 ft.			2 50	2 75
Channel Beams.....	3 3-10	3 4-10	50	2 75

FLUCTUATIONS.

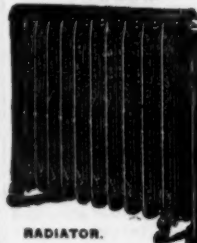
Chicago, Ill. — There are some minor changes in various items but there are none of importance enough to change quotations. Carpenters have consented to a reduction in wages which may mean more work in the near future. Bricks, lumber, stone, etc., are all dull at quoted prices, but demand at any price just now is also dull.

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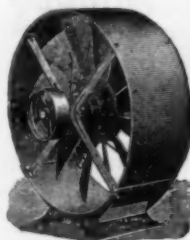
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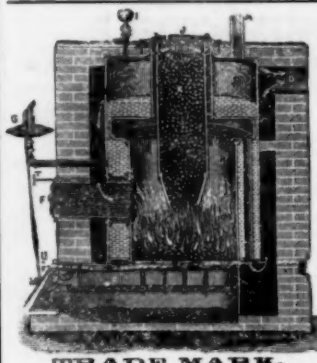
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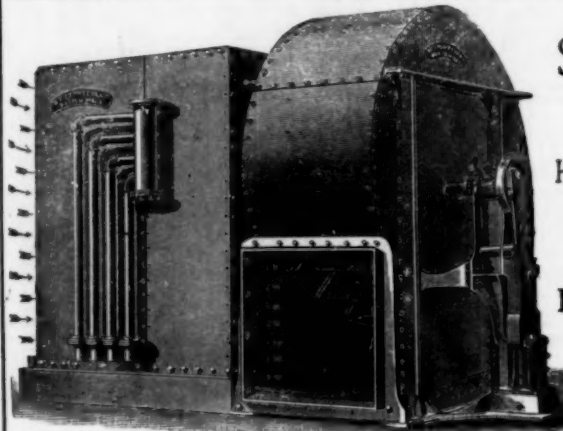
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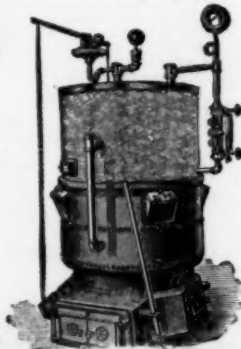
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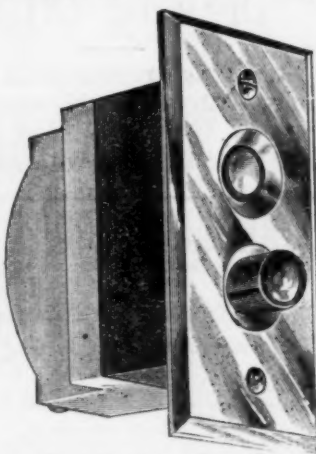
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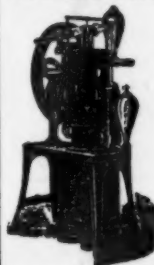
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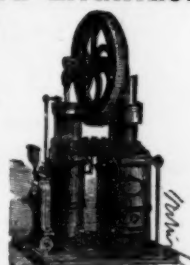
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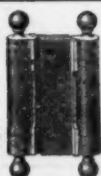
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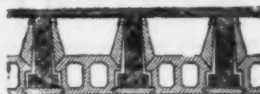
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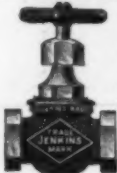


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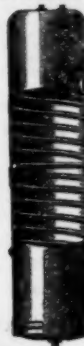
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[Continued on page xiii.]

Varnish in Architecture.

A JUST CRITICISM.

An article appeared in this magazine recently in which the writer says, "*It is a curious fact that we as a nation do not seem to understand the treatment of wood as well as many another people. We finish our woods either with a polished piano finish or else treat them merely with oil which produces a greasy unpleasant surface.*"

This is undoubtedly a just criticism although we are surely if slowly reaching a higher plane in the art of wood finishing.

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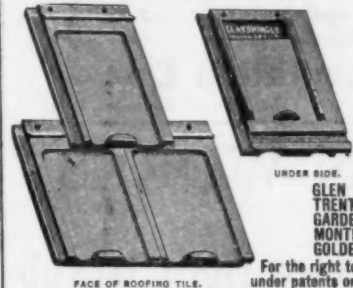
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P. O. Lunstrom, 2 two-st'y flats, 2451-2461 West Indiana St.; cost, \$3,600.

W. H. Tieff, two-st'y flats, 228 Walnut St.; cost, \$5,000.

New York, N. Y.—Madison St., No. 123, five-st'y brick flat, tin roof; cost, \$22,000; owner, Mrs. M. Kelly, 124 Madison St.; architect, Frederick Jenth, 191 Forsyth St.

One Hundred and Forty-ninth St., n s, 200' w Seventh Ave., 2 five-st'y brick flats, tin roofs; cost, \$40,000; owner, Edward Burns, 318 East Seventy-eighth St.; architect, Edward Wenz, 1491 Third Ave.

Third Ave., e s, 100' n One Hundred and Sixty-first St., 2 four-st'y brick flats, tin roofs; cost, \$30,000; owner, John W. Decker, 841 Forest Ave.; architect, Michael J. Garvin, 311 Third Ave.

One Hundred and Thirty-fourth St., s s, 100' w Lenox Ave., 2 five-st'y brick flats, tin roofs; cost, \$36,000; owner, W. H. Stothers, 136 West Sixty-sixth St.; architect, George M. Walgrove, 99 Nassau St.

One Hundred and Forty-fourth St., s s, 500' e Willis Ave., 3 four-st'y brick flats, tin roofs; cost, \$42,000; owner, Herman Schuck, Prospect and Westchester Aves.

Thirty-first St., Nos. 19-21, eight-st'y brick flat, mansard and fireproof blocks covered with copper roof; cost, \$160,000; owners, Life Publishing Co., 28 West Twenty-third St.; architects, Carrère & Hastings, 44-46 Broadway.

Thirteenth St., n s, 165' w First Ave., 3 five-st'y brick flats, tin roofs; cost, \$75,000; owner, William F. Rohrig, 13 Oak St.; architect, M. V. B. Ferdon, 265 West Thirty-fourth St.

Ludlow St., Nos. 122-124, 2 six-st'y brick flats, tin roofs; cost, \$46,000; owner, Everard Roberts, 100 Pierrepont St., Brooklyn; architect, Franklin Baylies, 51-52 Bible House.

Eighty-third St., n s, 70' w First Ave., five-st'y brick flat, tin roof; cost, \$28,000; owner, August Jacob, 260 East Seventy-eighth St.; architect, John Hauser, 1441 Third Ave.

Eighty-second St., s s, 223' e Avenue A, 2 five-st'y brick flats, tin roofs; cost, \$52,000; owner, Jacob Schreimer, 110 West One Hundred and Twenty-first St.; architect, John Hauser, 1441 Third Ave.

West Forty-eighth St., No. 408, five-st'y brick flat, tin roof; cost, \$20,000; owner, James McKelvey, 412 West Forty-seventh St.; architect, James W. Cole, 403 West Fifty-first St.

Fifty-eighth St., n w cor. Sixth Ave., seven-st'y brick flat, tin roof; cost, \$160,000; owner, Wm. F. Rohrig, 13 Oak St.; architect, Mount Vernon; architect, John Hauser, 1441 Third Ave.

Eighty-fourth St., n s, 144' w Columbus Ave., 3 five-st'y brick flats, tin roofs; cost, \$35,000; owner, William Gunn, 471 Amsterdam Ave.; architect, Henry Anderson, 1180 Broadway.

Worcester, Mass.—Myrtle St., four-st'y brick apartment block; owner and contractor, A. F. Burgess; architects, E. Boyden & Son.

CHURCHES.

Boston, Mass.—Brown Ave., near Ashland St., Ward 23, two-st'y brick church, pitch roof, 83' x 137.6'; owner, J. J. Williams.

Easton, Md.—A church will be built for the Eastern Methodist Church, to cost about \$10,000.

New Brunswick, N. J.—Livingston Ave., church

BUILDING INTELLIGENCE.

(Churches Continued.)

for the Romsen Ave. Baptist Church congregation; architect, Louis H. Garte, Jersey City.

Norristown, Pa.—Church for the Christ Reformed Mission Chapel.

Philadelphia, Pa.—Haverford Ave. and Thirty-fourth St., stone church, slate roof, for the Thirty-fourth St. Baptist congregation; architects, Bolton & Hibberd, 1510 Chestnut St.

Providence, R. I.—Camp St., e s, bet. Pleasant and Jenkins Sts., brick and brownstone church; owner, Church of the Holy Name of Jesus.

Royersford, Pa.—Church for the German Baptist congregation.

Selma, Ala.—Plans have been prepared by Hunt & Lamm, architects, Chattanooga, Tenn., for the Presbyterian Church, to cost about \$20,000.

FACTORIES.

Cincinnati, O.—William Woods, four-st'y brick and stone factory, n s Eighth St.; cost, \$7,500; architect, Gus. W. Drach.

Benj. F. Evans, five-st'y brick and stone factory, 21-23 East Ninth St.; cost, \$15,000; architect, Jacob Kueckert.

Jno. Mauss, seven-st'y brick and stone factory, s w Sycamore St.; cost, \$23,000; architect, Louis Picket.

Philadelphia, Pa.—Cherry and Fifth Sts., factory for Chas. Rupp & Sons; builder, John H. Wiggins; architects, Hazelhurst & Huckel, Drexel Building.

Market St., five-st'y brick factory; architect, M. Fielding, 110 South Fourth St.

Meadow and Willow Sts., one-st'y brick factory; owner, Horace W. Castor, 4042 Penn St., Frankford.

Township Line, Tacony, two brick factories; builders, Samuel Hart & Son, 1109 Fairmount Ave.

Otsega St., e s, s Moore St., one-st'y brick foundry; builder, James E. Clark, 2006 South Thirtieth St.

HOTELS.

Montreal, Can.—St. Maurice St., hotel; owner, H. B. Smith estate; architect, A. C. Hutchison, 181 St. James St.

HOUSES.

Baltimore, Md.—Jno. Menshaw, three-st'y brick building, n e cor. Harlem Ave. and Kirby Lane.

J. W. Sindall, 10 two-st'y brick buildings, s s Lanvale St., e Caroline St.

Jno. H. Cross, 7 two-st'y brick buildings, e s Andre St., bet. Beason and Clement Sts.

Geo. Utterbaugh, 12 two-st'y brick buildings, n s Harlem Ave., bet. Appleton and Payson Sts.

Michael J. Mulcrone, three-st'y brick building, n e cor. Lexington and Harrison Sts.

Edward S. Hampson, 3 three-st'y brick buildings, n s North Ave., bet. Madison Ave. and McCulloh St.

Boston, Mass.—Beacon St., Nos. 850-865, Ward 22, 4 four-st'y brick dwells., flat roofs, 25.6' x 55' and 24.10' x 55'; owner, A. F. Arnold; builder, Henry Lord.

Harve St., near Brooks St., Ward 1, three-st'y frame dwell., flat roof, 22' x 52'; owner, Mrs. Ellen Collins; builder, C. A. Halstrom.

Milwau St., Nos. 6-8, Ward 8, 2 three-st'y brick dwells., flat roofs, 20' x 40'; owner and builder, Joseph Richmond.

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Kenney St., near Day St., Ward 22, three-sty brick dwell., flat roof, 28' x 45'; owner and builder, Timothy Wholey.

Culmet St., near Sachem St., Ward 22, three-sty frame dwell., pitch roof, 28' x 50'; owner, Thomas O'Leary; builder, Daniel Lane.

Stoughton St., Nos. 94-96, cor. unnamed st., Ward 24, 2 three-sty frame dwells., flat roofs, 23.9' x 63.6'; owner, A. H. Connell.

Dorchester St., No. 106, Ward 15, three-sty frame dwell. and store, flat roof, 23.6' x 69.3'; owner, W. F. Hall; builder, J. A. Hasty.

Dean Ave., near Howard Ave., Ward 20, three-sty frame dwell., 28' x 52.6'; owner, M. A. Caulfield; builders, McKim & Stiles.

Dracut St., near Wrentham St., Ward 24, frame dwell., 26.6' x 45'; owner, Emma M. Pond.

Haynes St., near Marginal St., Ward 2, three-sty frame dwell., flat roof, 30.6' x 36.8'; owner, Samuel Lowe; builder, Wilbur Goodwin.

Juniper St., near Cedar St., Ward 21, three-sty frame dwell., pitch roof, 28' x 49.6'; owner, Joseph Kramer; builder, G. Merz.

Falcon St., Nos. 28 and 30, Ward 1, two frame dwells., one 22' x 51', three stories, pitch roof; owner, Mrs. A. E. Pennington; the other, 20.6' x 56', flat roof, three stories; owner, W. O. Donnelly; builder of both, D. D. Fish.

Buttwood St., near Grafton St., Ward 24, two frame dwells., 22' x 51'; owner, F. D. Brierogel; builders, H. S. & N. Clark.

Mt. Vernon St., near La Grange St., Ward 23, frame dwell., 21.9' x 52'; owners, Mt. Vernon Land Co.; builder, J. P. Rogers.

Torrey St., near Washington St., Ward 24, frame dwell., 24.6' x 45'; owner and builder, F. J. Rockwell.

Sheldon St., near Ashland St., Ward 23, frame dwell., 23' x 51'; owner, Henry Litchfield; builders, Brown Bros.

Washington St., cor. Ashmont St., Ward 24, three-sty frame dwell. and store, flat roof, 28' x 53'; owner, Mrs. S. M. Wilcox; builders, Howard Bros.

Boothwyn, Pa.—Several dwells.; owners, Boothwyn Real Estate Co.

Brooklyn, N. Y.—**North Elliott Pl.**, e s, 175' n Park Ave., four-sty brick dwell., tin roof; cost, \$7,000; owner, John Dinneen, 51 North Elliott Pl.

Sumpter St., s s, 225' e Hopkinson Ave., two-sty brick dwell., tin roof; cost, \$3,800; owner, S. Hopkins, Union, Union County, N. Y.

Clay St., No. 75, four-sty frame dwell., tin roof; cost, \$6,000; owner, F. Schaefer, 87 Clay St.; architect, H. Vollweiler, 483 Hart St.; builder, D. Eggers, 151 Freeman St.

Bushwick Pl., n w cor. Montrose Ave., three-sty frame dwell., tin roof; cost, \$5,500; owner, Mr. Lindsay, cor. Old Bushwick and Montrose Aves.; architects, D. Acker & Son, 752 Broadway.

Prospect Pl., n s, 225' e Grand Ave., 7 two-sty brick dwells., tin roofs; total cost, \$38,000; owner, W. L. Prosky, Arbuskie Building; architect, S. M. Holden, 371 Fulton St.

McDonough St., s s, 225' e Stayresant Ave., 2 four-sty brick dwells., tin roofs; cost, \$15,000; owner, C. H. Nelson; architect, E. F. Gaylor, 321 Decatur St.

BUILDING INTELLIGENCE.

(Houses Continued.)

Halsey St., s s, 205' w Marcy Ave., 2 three-sty brick dwells., tin roofs; cost, \$16,000; owner, F. I. Mathew, 59 Hancock St.; architect, John L. Young, 1239 Bedford Ave.

Cambridge, Mass.—**Fayerweather St.**, frame dwell.; owner, W. P. Warner; contract to be let; architects, Longfellow, Alden & Harlow, Boston.

Cincinnati, O.—**Ed. Windgassen**, two-and-one-half-sty brick and stone dwell., s w Wheeler St.; cost, \$3,000; architect, Phil. Pfeiffer.

Sarah Bullock, two-and-one-half-sty brick and stone dwell., n s Vernon Pl.; cost, \$14,000; architect, A. O. Elzner.

German Presbyterian Church, two-and-one-half-sty brick and stone parsonage, s w Hill St.; cost, \$3,000; architect, Geo. Audes.

Mary Lally, two-sty frame dwell., s s Westminster St.; cost, \$2,250; architect, Geo. Weeling.

Erie, Pa.—Two-sty dwell.; owner, H. P. Sullivan.

Minneapolis, Minn.—**J. B. and Frank Eustis**, frame dwell., 1332 Vine Pl.; cost, \$7,500.

Philadelphia, Pa.—**Newton St.**, e s, s Carpenter St., three-sty brick dwell.; builder, A. C. Magill, 236 Pine St.

Sansom St., n s, w Forty-third St., 8 three-sty brick dwells.; owner, Edward H. Cloud, s e cor. Walnut and Sixth Sts.

Twenty-third St., e s, n Atlantic St., 2 three-sty brick dwells.; builder, Judson M. Zane, 2116 Venango St.

Almond St., n w s, s w Lapener St., 2 two-sty brick dwells.; builder, Amos K. Crosta, 4636 Salmon St.

Mutter St., w s, n Berks St., 2 two-sty brick dwells.; owner, A. M. Hoffman, 1520 North Eighth St.

Twentieth St., e s, s Park St., two-sty brick dwell.; builder, Hiram Cline, Twenty-second and Park Sts.

Rochelle Ave., n w s, n e Freeland St., three-sty brick dwell.; owner, Robert Boon, 4108 Manayunk Ave.

Lancaster Ave., n s, e City Line, three-sty brick dwell.; owners, Wendell & Smith, Overbrook Station.

Springfield Ave., s s, w Forty-fifth St., 2 three-sty brick dwells.; builder, George Ross, 4807 Springfield Ave.

Lancaster Ave., No. 3330, three-sty brick dwell.; builder, Chas. D. Hill, 1511 North Twenty-seventh St.

Ontario St., s s, e Jasper St., 2 two-sty brick dwells.; builder, Peter Hoffman, 3462 Kensington Ave.

Washington Lane, Germantown, three-sty stone dwell., slate roof; architect, M. Fielding, 110 South Fourth St.

Pine St., No. 2042, four-sty brick and stone dwell.; architect, M. Fielding, 110 South Fourth St.

Penn and Hancock Sts., Colonial dwell.; builder, R. M. Peterson, 171 Bringham St., Germantown.

Twelfth St., s s, e Columbia Ave., brick and brown stone dwell.; builders, William E. Carrington & Son.

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and stone dwells.; builder, James H. Hamilton, 1402 Bainbridge St.

Washington Lane, n s, e Green St., 4 three-sty brick dwells.; builder, Thomas Wright & Son, 7 Harvey St.

Eighteenth St., w s, n Venango St., 12 three-sty brick dwells.; owner, Daniel McNeil, 1511 Toga St.

Sixth St., e s, near Sixty-sixth St., three-sty brick dwell.; builders, Seaton & Matthews, 711 Bennett St.

Jefferson St., n w s, w Wakefield St., two-sty brick dwell.; builder, James Miller, 56 Meiken St.

Williams St., s s, w Clark St., 2 two-sty brick dwells.; builders, Kollner Bros., 2737 Ash St., Bridesburg.

Bolton St., s s, w Ridge Ave., two-sty brick dwell.; owners, Drown & Leigh, Bolton Ave., Roxborough.

Park St., w s, s Allegheny Ave., 12 two-sty brick dwells.; owners, M. L. Heist & Son, 816 West Lehigh Ave.

Germantown Ave., e s, s Diamond St., three-sty brick dwell.; builder, Robert Craig, 103 Oxford St.

Ontario St., s s, e Palethorp St., 9 two-sty brick dwells.; owner, Jos. S. Hagan, 2948 North Second St.

Hancock St., w s, s Ontario St., 5 two-sty brick dwells.; owner, Jos. S. Hagan, 2948 North Second St.

Church St., n s, w Richmond St., two-sty brick dwell.; builder, Eugene S. Keek, 1007 Tirolli St.

Necada St., No. 1027, two-sty brick dwell.; owner, Harry Stoffel, 1025 Dauphin St.

Adams St., s s, e Gaul St., 3 two-sty brick dwells.; owner, Alex. Miller, 2250 Gordon St.

Penn and Mulberry Sts., 2 two-sty brick dwells.; builder, Chas. Stickler, 9075 Margaretta St.

Marshall St., e s, s Erie Ave., four brick dwells.; builders, W. W. Rea & Son, 1815 Francis St.

Clearfield and Thirteenth Sts. and Park Ave., 98 two-sty brick and brownstone dwells.; owner and builder, Henry G. Schultz, 2633 Germantown Ave.

Almond St., w s, s Allegheny Ave., 4 two-sty brick dwells.; builder, Cornelius Klei, 1800 East Cambria St.

Salmon St., n e cor. Ann St., 3 two-sty brick dwells.; builder, Charles Judge, 3014 Richmond St.

Grantsback St., w s, n Indiana Ave., 2 two-sty brick dwells.; builder, Christian Eckert, 3043 D St.

Plymouth, Pa.—Stone dwell.; owner, Charles W. Cox.

Providence, R. I.—**Lexington Ave.**, s s, w Melrose St., two-and-one-half-sty frame dwell.; cost, \$7,000; owner, A. C. Tucker; builders, Stewart & Andrews.

Cooke St., s e cor. Angell St., two-and-one-half-sty frame dwell.; owner, Mrs. A. M. Harris; architect, F. J. Sawtelle; builders, Ross & Peterson.

Gane St., e s, near Douglas St., two-and-one-half-sty frame dwell.; owner, Mrs. A. E. Stone; architects, Stone, Carpenter & Wilson.

Taber Ave., s e cor. Adelphi Ave., two-and-one-half-sty frame dwell.; cost, \$5,000; owner, Miss Catherine O'Reilly.

Barrington St., s w cor. Davis St., two-and-one-half-sty frame dwell.; owner, George H. Boswell; builders, Esleck Bros.

Douglas St., n s, bet. Wayland and Butler Aves., two-and-one-half-sty frame dwell.; owner, Hamilton MacDougall; builder, A. A. Cyr.

Willard Ave., n e cor. Campbell Ct., three-sty frame dwell.; cost, \$3,600; owner, Louise M. Granoosky; builder, G. Plant.

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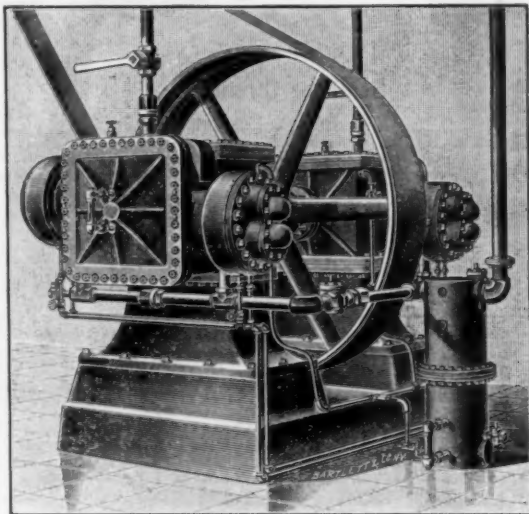
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(Houses Continued.)

Doyle Ave., s. e. w. Camp St., two-and-one-half-st'y frame dwell.; owner, Josephine M. Walling; architect, E. I. Nickerson; builder, H. B. Evans.

Glenham St., s. w. cor. Taylor St., two-and-one-half-st'y frame dwell.; owners, Daniel G. Sullivan and wife; builders, McCloud Bros.

Reading, Pa.—Buttonwood St., 6 two-st'y brick dwells.; owner, W. A. Griesemer.

Eleventh St., 4 two-st'y brick dwells.; owner, D. E. De Hart.

Ridley Park, Pa.—Poplar St., brick and frame dwell.; owner, J. C. Bowen.

Sellers Ave., dwell.; owner, Chas. G. Darrach.

South Orange, N. J.—Warwick Ave., two-st'y frame dwell.; owner, Mrs. M. E. Crane; architect, Richard K. Mosley, New York City.

Worcester, Mass.—Providence St., 4 two-st'y frame dwells.; owners, Doane & Ballard; contractor, E. B. Rogers.

Upland St., two-st'y frame dwell.; owner, F. Arnold; contractor, Wm. O. Burns.

COMPETITIONS.

COMPETITION FOR DRAUGHTSMEN.

A gentleman about to build a dwelling in a Western city, and desirous of obtaining suggestions as to exterior treatment, by which the local architect he is employing may benefit, authorizes us to offer as prize for a suitable design a year's subscription to the International Edition of the *American Architect*.

It is to be understood:

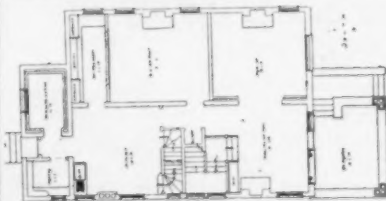
(1) That this invitation is addressed to members of sketch-clubs rather than to architects.

(2) That only sketches of the exterior treatment suitable to the adjoining plan (which need not be absolutely adhered to) are desired.

COMPETITIONS.

(3) That the local architect is to carry out the work if any design is found suitable.

(4) That the owner makes his own selection, and returns unused designs promptly.



(5) That designs are to be sent to the office of the *American Architect* on or before July 26 next.

917

PROPOSALS.

Treasury Department, Office Supervising Architect, Washington, D. C., July 10, 1893. Sealed proposals will be received at this office until 2 o'clock p. m. on the 25th day of July, 1893, and opened immediately thereafter, for all the labor and materials required to put in place complete the cast-iron and Z-bar columns, steel and iron floor, ceiling and roof construction, ceiling light, skylight roof, dormers, etc., complete for the United States Post-office Building, Worcester, Mass., in accordance with the drawings and specification, copies of which may be had on application at this office or the office of the Superintendent at Worcester, Mass. No convict labor nor the use of any product of convict labor will be allowed in the work. Each bid must be accompanied by a certified check for a sum not less than two per cent of the amount of

PROPOSALS.

the proposal. The right is reserved to reject any and all bids, and to waive any defect or informality in any bid, should it be deemed in the interest of the Government to do so. All bids received after the time stated will be returned to the bidders. Proposals must be enclosed in envelopes, sealed, and marked "Proposals for Iron Columns, Steel and Iron Floor, Ceiling and Roof Construction, etc., for the United States Post-office Building, Worcester, Mass.," and addressed to JEREMIAH O'ROURKE, Supervising Architect.

917

Treasury Department, Office Supervising Architect, Washington, D. C., July 10, 1893. Sealed proposals will be received at this office until 2 o'clock p. m. on the 2d day of August, 1893, and opened immediately thereafter, for all the labor and materials required to put in place complete the steel and cast-iron columns in basement and first story, steel and iron floor-construction of the first, second and mezzanine floors, etc., for the United States Post-office building at Washington, D. C., in accordance with the drawings and specification, copies of which may be had at this office or the office of the Superintendent, Washington, D. C. No convict labor nor the use of any product of convict labor will be allowed in the work. Each bid must be accompanied by a certified check for a sum not less than two per cent of the amount of the proposal. The right is reserved to reject any and all bids, and to waive any defect or informality in any bid, if it be deemed in the interest of the Government to do so. All bids received after the time stated will be returned to the bidders. Proposals must be enclosed in envelopes sealed and marked "Proposal for the Steel and Cast-Iron Columns in Basement and First Story, and the Steel and Iron Floor-construction of First, Second and Mezzanine Floors, etc., for the United States Post-office building at Washington, D. C.," and addressed to JEREMIAH O'ROURKE, Supervising Architect.

917

Treasury Department, Office Supervising Architect, Washington, D. C., June 30, 1893. Sealed proposals will be received at this office until 2 o'clock p. m. on

(Proposals Continued).

No convict labor nor the product of any convict labor will be allowed in the work. Each bid must be accompanied by a certificate for a sum not less than two per cent of the amount of the proposal. The right is reserved to reject any or all bids, and to waive any defect or informality in any bid, should it be deemed in the interest of the Government to do so. All bids received after the time stated will be returned to the bidders. Proposals must be enclosed in envelopes sealed and marked "Proposal for Basement Columns, First-floor Ironwork, Stone-bearing Blocks, etc., for the United States Post-office and Court-house at Kansas City, Mo.," and addressed to JEREMIAH O'ROURKE, Supervising Architect.

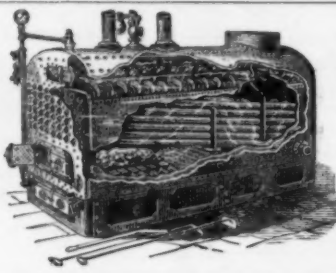
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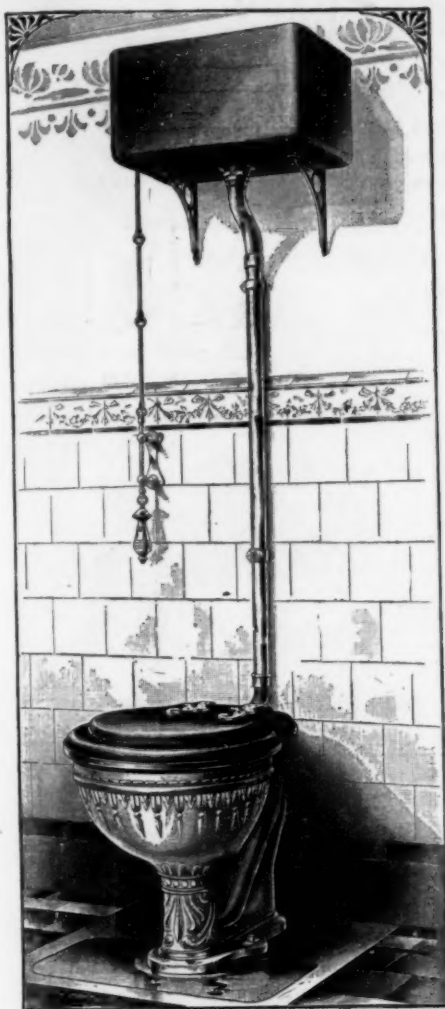


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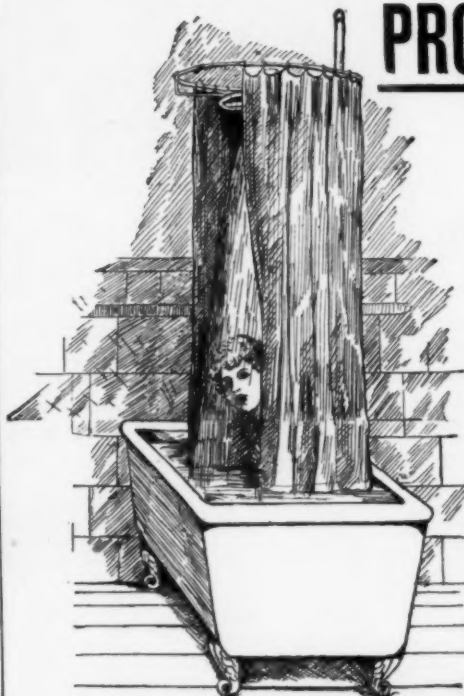
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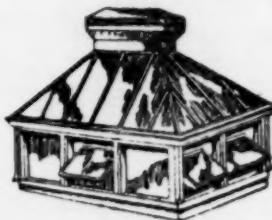
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[See Alphabetical Index on page XVI for Pagination.]
[Advertisers can be indexed only under a single head free of charge].

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Hodge Bros., Boston, Mass. (mon)
Antoniou.
W. H. Schieffelin & Co., New York, N. Y. (sow)
Annunciators.
W. R. Ostrander & Co., New York. (mon)
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Bailey & Truscott, Philadelphia, Pa. (mon)
Architect's Materials.
Frost & Adams, Boston. (sow)
Architectural Sheet-Metal Ornamental Works. W. H. Mullins, Salem, O.
Artificial Stone.
Wechs Fawcett Co., New York, N. Y. (sow)
Asbestos Felt & Boiler Coverings.
H. W. Johns Mfg Co., New York
Asbestos Felts. H. F. Watson Co., Erie, Pa.
Asbestos Paints.
H. W. Johns Mfg Co., New York. (sow)
Asphalt.
Neuchatel Asphalt Co., New York. (sow)
New York Mastic Works, New York, N. Y.
Asphalt Roofing.
Warren Chemical & Mfg Co., New York
Basin Cocks.
Stebbins Mfg. Co., Brighton, Mass. (sow)
Bath-Tub.
Fred. F. Bischoff & Co., Chicago, Ill. (mon)
Miller & Coster, New York
J. L. Mott Iron Works, New York
Standard Mfg. Co., Pittsburgh, Pa. (sow)
Bells. Blake Bell Co., Boston, Mass. (sow)
Blue Prints.
Spaulding & Moss, Boston, Mass. (sow)
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Babcock & Wilcox Co., New York
Harrisburg Boiler Mfg. Co., Harrisburg, Pa.
Randolph & Clowes, Watertown, Conn.
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Babcock & Wilcox Co., New York
Wm. T. Comstock, New York
Heating & Spitznagel, New York, N. Y.
Tucknor & Co., Boston
Brass Goods.
B. Shannon & Sons, Philadelphia. (mon)

Brick Ashlar.
Fiske, Homes & Co., Boston. (sow)
Brick (Colored).
Jarden Brick Co., Philadelphia, Pa. (sow)
Brick (Ornamental).
Fleming Cement & Brick Co., New York. (sow)
W. H. Gates, Boston, Mass. (sow)
Hydraulic Press Brick Co., St. Louis
Peerless Brick Co., Philadelphia, Pa.
Waldo Bros., Boston. (sow)
Brick Machine.
The Frey, Sheckler Co., Bucyrus, O. (sow)
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Bureau Bros., Philadelphia, Pa. (mon)
M. J. Power, New York. (sow)
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Standard Paint Co., New York, N. Y.
H. F. Watson Co., Erie, Pa.
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New York Metal Ceiling Co., New York, N. Y.
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The Kinnear & Gager Co., Columbus, O. (sow)
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F. O. Norton Cement Co., N. Y.
Cement.
Allen's Cement Works, New York, N. Y. (sow)
Brooks, Shookbridge & Co., New York
Dickinson Bros. & King, New York
Fleming Cement & Brick Co., New York. (sow)
Johnson & Wilson, New York
J. R. King & Co., New York
Lawrence Cement Co., New York, N. Y.
L. Thiele, New York, N. Y.
Chimney Tops.
H. M. Hansen, Chicago, Ill. (mon)
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Chrome Steel Works, Brooklyn, N. Y. (sow)
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Clay Shingle Co., Indianapolis, Ind.
Climax Rail.
Crane & Halpin, New York, N. Y. (sow)

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W. Austin Oddy & Co., Philadelphia. (sow)
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Seiderless Standing-Seam Conductor Co.,
Allentown, Pa.
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Lord & Burnham Co., Irvington-on-Hudson,
N. Y.
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York, N. Y.
Consulting Engineer.
George Hill, New York, N. Y.
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Flynt Building & Construction Co., Palmer,
Mass.
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Samson Cordage Works, Boston. (sow)
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S. Cabot, Boston, Mass.
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L. Haberstroh & Son, Boston
Donald McDonald, Boston
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Lane Bros. Poughkeepsie, N. Y.
Door-Knobs.
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Drawing Ink.
Chas. M. Higgins, Brooklyn, N. Y.
Drawing Instruments.
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Cutler Electrical & Mfg. Co., Philadelphia, Pa.
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Graves Elevator Co., Rochester, N. Y.
Volney W. Mason & Co., Providence, R. I.
Moore & Wyman, Boston
Morse, Williams & Co., Philadelphia
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Engines (Caloric Pumping).
Delamater Iron Works, New York
Rider Engine Co., New York
Fans (Ventilating).
Huyett & Smith Mfg. Co., Detroit, Mich.
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Pioneer Fireproof Construction Co., Chicago, Ill.
J. J. Schillinger, New York. (sow)
Fireproof Construction.
Gustavino Fireproof Construction Co., N. Y.
Fireproof Lathing.
Hayes Metallic Lathing, New York
Prinos & Muir, New York, N. Y.
Floors (Hardwood).
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Wood Mosaic Co., Rochester, N. Y. (sow)
Floors (Inlaid).
S. C. Johnson, Racine, Wis.
National Wood Mfg Co., N. Y.
Force Pump.
Wm. Powell Co., Cincinnati, O. (sow)
Furniture.
Conant Bros. Furniture Co., Toledo O
Gas-Machines.
Tirell Gas-Machine Co., New York
Gates.
Wm. H. Pitt, New York, N. Y. (mon)
Glass (Bent).
M. A. Smith Newark, N. J. (mon)
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Perry Horticultural Skylight Works, New
York, N. Y.
Glass (Stained and Ornamental).
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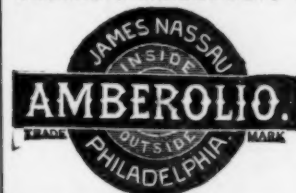
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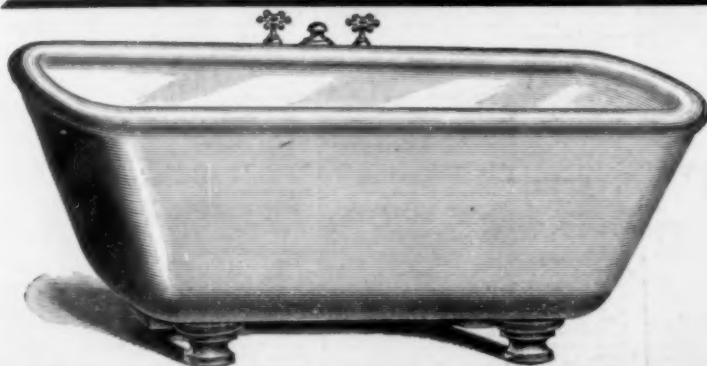
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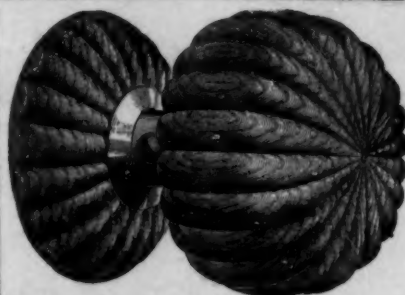
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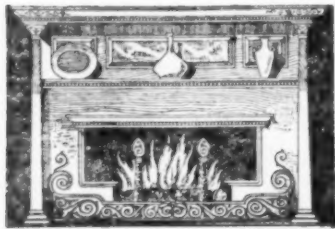
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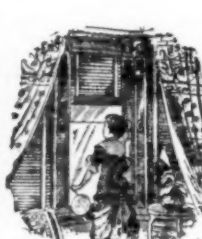
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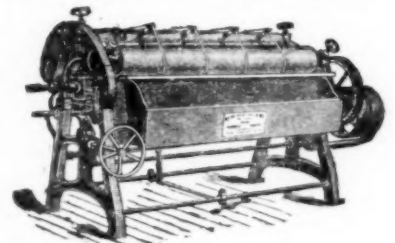
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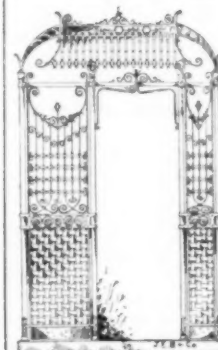
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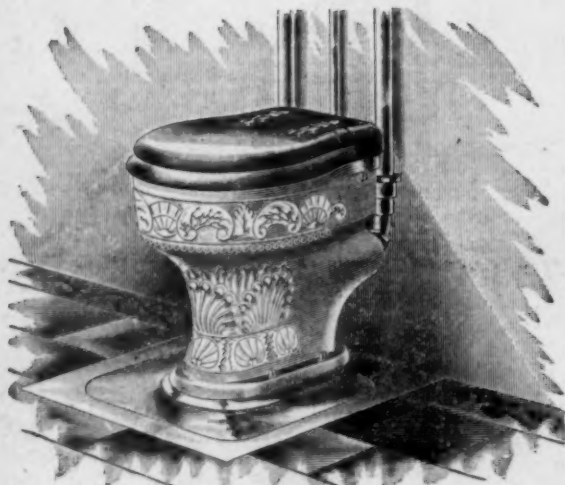
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Hemlock.....

Yellow pine.....

Cypress.....

Clapboards:

Pine.....

Spruce.....

Framing Timber:

Pine.....

Spruce.....

Hemlock.....

Yellow pine.....

Laths:

Pine.....

Spruce.....

Shingles:

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Maple.....

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" white.....

" quartered.....

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Redwood.....

Rosewood..... P. ft.

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55 00 @ 60 00	42 00 @ 50 00	27 00 @ 38 00	40 00 @ 45 00
18 00 @ 22 00	35 00 @ 40 00	14 00 @ 20 00	30 00 @ 35 00
@ 25 00	14 50 @ 25 00	Not sold.	16 00 @ 20 00
ea 13 1/2 @ 14	13 00 @ 15 00	@ 12 00	11 25 @ 13 50
20 @ 40	25 00 @ 35 00	21 00 @ 34 00	14 00 @ 23 00
@	31 00 @ 40 00	18 00 @ 34 00	@ 35 00
@			
@	38 00 @ 60 00	19 00 @ 24 00	14 00 @ 25 00
@	23 00 @ 38 00	Not sold.	Not sold.
		12 00 @ 17 50	25 00 @ 37 30
14 00 @ 18 00	15 50 @ 18 00	Not sold.	16 00 @ 18 00
12 00 @ 16 00	13 00 @ 15 00	10 00 @ 13 00	13 00 @ 17 00
18 00 @ 21 00	22 00 @ 35 00	24 00 @ 34 00	22 00 @ 28 00
@	2 25 @ 2 50	@ 2 65	2 75 @ 3 00
Slab @ 2 50	2 35 @ 3 00	Not sold.	2 30 @ 3 00
5 00 @ 6 00	@	Not sold.	
4 00 @ 5 00	@ 4 50	2 80 @ 3 15	
1 50 @ 2 00	1 50 @ 00	Not sold.	
1 40 @ 1 60	3 75 @ 4 00	6 00 @ 7 50	(30" \$35 @ 40
@	@	Not sold.	24" 8 @ 21
@	2 00 @ 4 00	2 60 @ 2 75	20" 35 @ 14
18 00 @ 20 00	5 00 @ 6 00	3 50 @ 4 00	11 00 @ 14 00
4 1/2 @ 5 1/2	Piles 60. P. ft.	Cut to order.	9 00 @ 13 00
8 00 @ 10 00	10 00 @ 18 00	P. 10 00 @ 22 00	40 @ 1 25
@	25 @ 50	9 @ 21	20 @ 30
@	25 @ 50	Not sold.	
@ 55 00	45 00 @ 60 00	14 00 @ 30 00	42 50 @ 47 50
80 00 @ 120 00	90 00 @ 120 00	35 00 @ 90 00	100 00 @ 120 00
40 00 @ 60 00	60 00 @ 70 00	17 00 @ 35 00	70 00 @ 80 00
	45 00 @ 50 00		
@ 180 00	150 00 @ 180 00	110 00 @ 170 00	150 00 @ 250 00
@ 350 00	120 00 @ 350 00	200 00 @ 250 00	200 00 @ 400 00
45 00 @ 50 00	45 00 @ 50 00	12 00 @ 20 00	25 00 @ 55 00
@ 70 00	@ 50 00	17 00 @ 27 00	42 50 @ 55 00
@ 70 00	50 00 @ 55 00	16 00 @ 28 00	45 00 @ 55 00
@ 90 00	65 00 @ 75 00	34 00 @ 40 00	60 00 @ 75 00
	50 00 @ 65 00	25 00 @ 28 00	57 50 @ 65 00
65 00 @ 70 00	50 00 @ 75 00	33 00 @ 50 00	@ 65 00
60 00 @ 70 00	60 00 @ 70 00	40 00 @ 45 00	60 00 @ 75 00
@ 6		per M.	
	32 00 @ 35 00		
125 00 @ 150 00	85 00 @ 120 00	40 00 @ 75 00	50 00 @ 170 00
45 00 @ 50 00	40 00 @ 45 00	14 00 @ 30 00	25 00 @ 40 00
@ 45 00	40 00 @ 42 00	31 00 @ 34 00	@ 42 00

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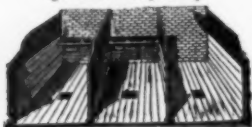
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Common: Cargo ahead.				In Yard.
Pale.	2 50 @ 2 75	Eastern } 9 00 @ 10 00	Building Brick	Sq. Hard @ 9 00
Jersey.	5 00 @ 5 25		@ 5 00	" @ 7 00
Long Island.				Salmon @ 5 00
Up River.	5 00 @ 5 50			Sq. " @ 9 00
Haverstraw Bay 2d.	5 25 @ 5 50			Light Stretchers
" 1st.	5 50 @ 5 75			Medium " @ 10 00
Hollow.	@ 13 00			Red " @ 12 00
Fronts:				Dark " @ 13 00
Croton, Brown.	9 00 @ 12 00			Pressed " @ 13 00
" dark.	10 00 @ 13 00			Best Paving @ 20 00
" red.	10 00 @ 13 00			Second " @ 14 00
Chicago pressed (Anderson).				Third " @ 12 00
" Moulded.				Dom. { @ 65
Baltimore.	37 00 @ 41 00			@ 82
Philadelphia.	23 00 @ 24 00			
Trenton.	@ 19 00			
Milwaukee.				
Moulded:				
Glens Falls Red Pressed.	@ 37 00			
" " Buff.	@ 30 00			
" " Moulded Red & Buff.	45 00 @ 70 00			
Enamelled: Imp.				
Enamelled (edge).	85 00 @ 100 00			
Enamelled (edge and end).	90 00 @ 115 00			
CEMENT, LIME, etc.—(P. M.)				
Rosendale Cement.	95 @ 1 10			
Louisville.		1 15 @ 1 25		
Utica, Akron, Buffalo, Milwaukee.	Not sold.	Brooks, S. & Co.		
Portland, English (Gibbs).	2 25 @ 2 50	2 40 @ 2 75		
" (K. B. & S.).	2 50 @ 3 00	2 40 @ 2 75		
" " Black Cross.	2 25 @ 2 50	2 40 @ 2 75		
" " (Burnham).	2 50 @ 2 50	2 40 @ 2 75		
" " (White's).	2 65 @ 3 00	2 40 @ 2 75		
" French (Lafarge).	3 60 @ 3 75	@ 5 00		
" German (Alsen).	2 90 @ 3 25	3 00 @ 3 50		
" " (Fewer).	2 25 @ 2 40			
" " (Vorwöhler).	2 50 @ 2 90			
" " (Lagerdoff).	@ 60			
" " (Hoyerhoff).	2 60 @ 2 90			
" " (Hanover).	2 50 @ 3 00			
" " Stettin (Anchor).	2 35 @ 2 85			
" American (Saylor's).	2 15 @ 2 25			
Roman.	2 75 @ 3 00			
Keene's coarse.	4 50 @ 5 30			
" superfine.	5 00 @ 5 50			
Lime:				
Lime of Tell.	3 50 @ 4 00			
Hydraulic Lime.	@ 1 45			
Chicago Lime in bulk.		@ 1 35		
Wisconsin Lime.		St. John 1 00		
Rockland and Rockport, (Com.).	@ 90	@ 1 05		
Rockland and Rockport, finish.	@ 1 00	@ 1 10		
Kelley Island Lime, finish.	@ 1 20	@ 1 30		
State, com. cargo rates (nom.).	80 @ 85	Not sold.		
State, finishing.	1 05 @ 1 10	Not sold.		
Plaster of Paris (calcined).	1 40 @ 1 50	1 85 @ 2 00		
" (casting).	@ 1 60	@ 2 25		
Hair (Cattle) P bush.	16 @ 18	25 @ 30		
" (Goat).	18 @ 21	@ 30		
Sand, P load.	1 00 @ 1 25	1 75 @ 1 90		
STONE. (P cubic foot, rough.)				
Granite: (Maine)		@ 60		
Limestone:				
Bedford.	45 @ 1 25	95 @ 1 00		
Joliet.	1 00			
Lemont.				
Serpentine.				
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Dimension.....	@	5 00 @ ton.	20 @	@ 5 00
Block.....	@	4 60 @ perch.	@	Conshocken
Rubble.....	@	1 25 @ 1 50	8 50 @	1 45 @ 2 50
Blue stone: (P sq. ft.)				
Sidewalk.....	30 @ 5 00	40 @ 1 75	75 @ 1 00	1 in. th. 10 @ 25
Planed.....	50 @ 6 00	@ 75	50 @ 1 00	37 @ 50
Sandstone:				
Longmeadow.....	@ 80	80 @ 90	@	95 @ 1 05
Kibbe.....	@ 90	90 @ 1 10	@	1 05 @ 1 25
Brown (Connecticut).....	1 00 @ 90	1 25 @ 1 45	1 50 @ cub. ft.	85 @ 95
Amherst Ohio.....	90 @ 95	90 @ 1 00	45 @ 50	55 @ 75
Berea.....	75 @ 1 00	85 @ 90	45 @ 55	85 @ 95
Berlin.....	75 @ 1 00	80 @ 90	55 @ 65	1 00 @ 1 10
Belleville.....	80 @ 1 25	1 25 @ 1 35	@ 1 25	1 05 @ 1 15
New Brunswick (Dorchester).....	@ 1 00	75 @ 90	@	1 25 @ 1 35
Caen.....	@	@ 2 00	@	95 @ 1 05
Carlisle, English.....	@ 1 05	@ 1 05	@	95 @ 1 05
Corse Hill (Scotch).....	@ 1 05	@ 1 05	@	95 @ 1 05
Marble: (P cu. ft.)				
Leo, Mass.....	@	1 75 @ 2 50	Not Sold.	2 00 @ 2 50
Rutland, white and blue.....	@	@ 3 00	3 50 @ 6 00	2 00 @ 3 00
Sutherland Falls.....	1 25 @ 1 75	@ 2 00	3 50 @ 6 00	1 70 @ 3 00
Glens Falls, black.....	@	@	Not Sold.	4 00 @ 4 50
Italian, blue-veined.....	@	@	Not Sold.	12 50 @ 2 75
Sienna.....	@	@	Not Sold.	4 00 @ 6 00
Tennessee, red.....	@	@	Not Sold.	3 00 @ 4 00
" Knoxville.....	@	@	Not Sold.	2 00 @ 3 00
Pennsylvania, blue.....	@	@	3 50 @ 6 00	2 25 @ 3 00
Vermont, white.....	@	@		
Slate: Roofing (P square).....				
" green.....	5 00 @ 6 00	4 75 @ 5 25	5 50 @ 6 10	2 30 @ 3 00
" unfading.....	5 00 @ 6 00	5 50 @ 6 50	6 50 @ 7 10	3 25 @ 3 75
" purple.....	5 00 @ 6 00	5 50 @ 6 50	6 50 @ 7 10	3 50 @ 4 50
" red.....	@ 10 00	10 00 @ 11 00	12 00 @ 14 00	1 50 @ 10 25
" black, Lehigh.....	4 25 @ 4 75	@	6 25 @ 8 85	225 @ 4 00
" Chapman.....	@	@	7 30 @ 8 00	00 @ 4 65
" Unfading black, Monson, Me.....	5 50 @ 8 00	5 50 @ 8 00	6 00 @ 9 00	5 50 @ 8 00
Tiles, Am.....	@	@	Not Sold.	@ 25 00
N. Peach Bottom, warranted unfading.....	@	@		6 00 @ 6 75
PAINTS. (In Oil P lb.)				
White lead, Am.....	7 @ 7 1/2	6 1/2 @ 7	7 @ 7 1/2	@ 7 1/2
" zinc.....	5 @ 8 1/2	6 @ 8	5 @ 10 1/2	@ 7
Red lead, Am.....	6 1/2 @ 7	6 1/2 @ 7	6 1/2 @ 7	@ 7 1/2
" Venetian.....	6 @ 10 1/2	7 @ 12	1 1/2 @ 2 1/2	dry Eng. @ 7
" Vermillion.....	65 @ 70	70 @ 5 dry	65 @ 68	Eng. @ 76
" Indian, Eng.....	12 @ 20	12 @ 20	12 @ 20	dry Am. @ 1 1/2
Yellow Ochre.....	6 @ 15	7 @ 12	3 @ 15	@ 18
" Chrome.....	12 @ 20	18 @ 25	15 @ 25	@ 21
Green (chrome).....	8 @ 13	8 @ 20	8 @ 20	" 15 @ 20
Green, Paris.....	25 @ 40	25 @ 40	8 @ 30	@ 12
Black, lamp.....	15 @ 25	15 @ 25	12 @ 35	10 @ 24
Blue, ultramarine.....	12 @ 18	18 @ 30	57 @ 60	@ 60
Oil, linseed, (raw).....	55 @ 62	49 @ 50	60 @ 63	@ 63
" " boiled.....	58 @ 65	52 @ 53	40 @ 42	@ 44
Turpentine.....	36 @ 37	1 50 @ 6 00	1 25 @ 2 00	125 @ 3 00
Varnish, coach.....	@	2 50 @ 3 00	2 25 @ 4 00	150 @ 3 00
Shellac.....	@	@	@	2 @ 2 1/2
Putty.....	2 @	2 @ 4	1 @ 1 1/2	1 1/2 @ 1
Whiting.....	75 @ 1 00	1 @ 1 1/2	1 1/2 @ 2	1 1/2 @ 2
Paris white, (Eng).....	1 30 @ 2 00	2 @ 3	6 1/2 @ 7	@ 7 1/2
Litharge, Am.....	5 1/2 @ 6	6 1/2 @ 7	4 @ 16	4 @ 14
Sienna (burnt).....	14 @ 20	14 @ 20	2 @ 10	2 @ 13
Umber.....	14 @ 20	14 @ 20		
HARDWARE.				
Nails: (Per Cask.) Spikes, (wrought).....	@ 2 85	@	2 35 @ 3 50	per keg @ 2 25
10d. common.....	@ 2 60	@ 2 20	@ 1 95	@ 2 30
Shingle.....	@ 3 35	@ 2 65	@ 2 35	@ 2 60
Lath.....	@ 4 85	@ 3 20	@ 3 25	3 60 @ 4 75
(Finishing nails according to size).....	@	@	Add .85 to \$2.25	per lb 4 @ 6
(For casing nails add 75 c. per keg).....	@	@	50 to .90	Add per cask
Butts: 4" x 4".....(P doz. pairs).....				2 90 (all kinds).....
Plain.....	@ 1 00	@ 1 20	@ 90	@ 90
Japanned.....	@ 1 50	@ 1 75	Not Sold.	1 35 @ 2 00
Acorn, Japanned.....	@ 1 50	@ 1 90	2 00 @ 3 75	1 35 @ 2 75
Ball Tip, Boston Finish.....(P pair).....	@ 65	@ 50	Not Sold.	48 @ 50
Bronze metal.....	@ 1 90	plain 1 65	2 00 @ 3 25	@ 1 25
Brass (for cupboards).....	@ 10	@ 10	@ 12	@ 1 00
Ebony.....	@	@	@	@ 35
Apple wood.....	@	@	@	37 @ 1 00
Knobs: (P set).....				
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 @ 3 50
Glass, silvered.....	Not Sold.	88 @ 1 00	@ 1 50	1 75 @ 2 00
Bronze metal.....	75 @ 2 00	50 @ 3 00	50 @ 3 00	50 @ 3 50
Brass.....	1 00 @ 2 50	50 @ 3 00	1 00 @ 3 00	75 @ 1 25
Solder:				
Sheet Lead.....	@	@ 7 1/2	14 @ 16	13 1/2 @ 16
Lead Pipe.....	@	@ 6 1/2	5 1/2 @ 6	@ 6 1/2
Iron:				
I-Beams, up to and including 30 ft.....	3 3-10 @ 3 1/2	@ 3 4-10	@	@ 2 8-10
do. over 30 ft., 1/2 c. adv. for every 5 ft.	3 3-10 @ 3 1/2	@ 3 4-10	2 50 @ 2 75	@ 2 8-10
Channel Beams.....	3 3-10 @ 3 1/2	@ 3 4-10	50 @ 2 75	@ 2 8-10

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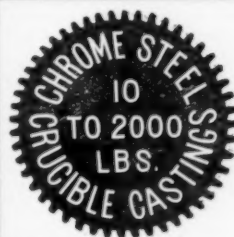
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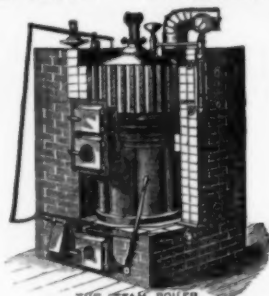
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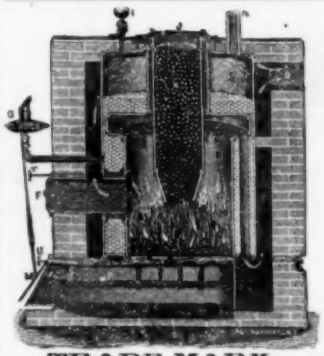
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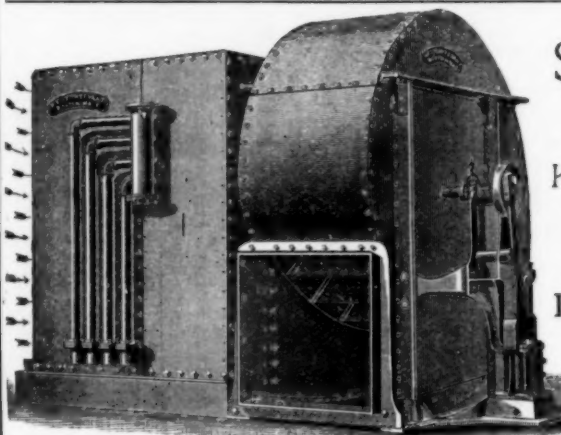
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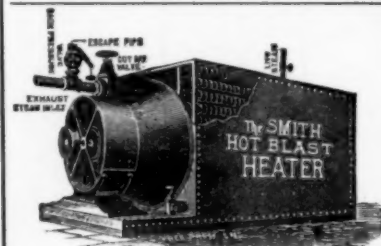
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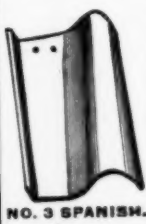
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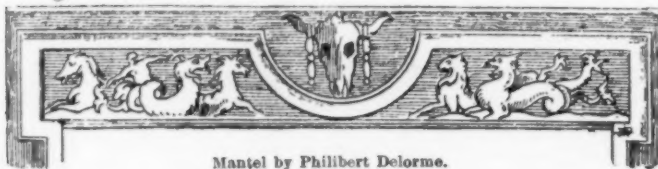
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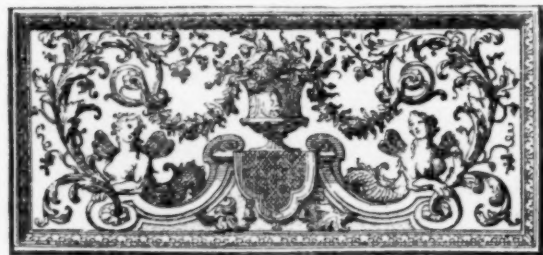
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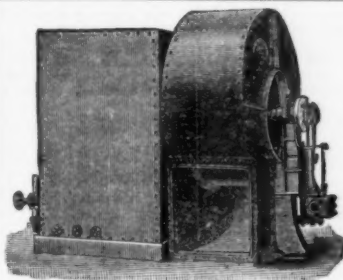
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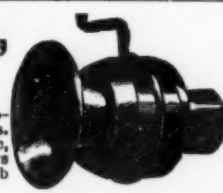
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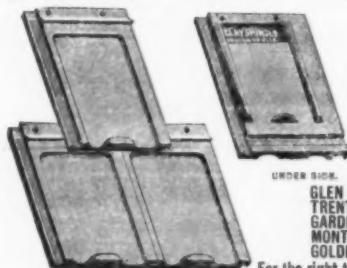
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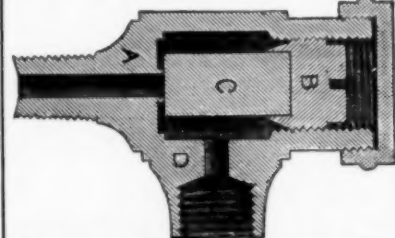
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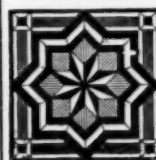
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A dusty home can never be a handsome or comfortable or healthful home. Dust is of itself a poison in the nose and eyes and throat and lungs. If there is any kind of disease in the atmosphere dust carries it, and dust breathers breathe it. When the house is tightly closed in winter the dust from everything that has a rough or woolly or nappy surface constantly fills the air we breathe, irritates the mucus membrane and induces coughs, "colds," sore throat, and catarrh. Every kind of infection finds a hiding place, and comes forth from the dusting-brush to attack our lives and the lives of our children. Pleasure in summer and health in winter demand the cleanliness of hard-wood finishing.

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From Antwerp.—Steamer "Chicago," 2,000 barrels cement, order. Steamer "De Ruyter," 500 barrels cement, J. Llera; 3,500 do., order. Steamer "Noordland," 289 bundles structural iron, International Navigation Co.; 3,500 barrels cement, order.

From Amsterdam.—Steamer "Zaandam," 2,500 casks Portland cement, E. Thiele; 2,996 do., Morris Ebert; 765 sacks cement, order.

From Auckland.—Bark "N. B. Morris," 1 case sawn timber, 33 pieces do., order.

From Bremen.—Steamer "Weimar," 580 casks cement, order.

From Geestemunde.—Steamer "Red Sea," 3,499 loaves asphaltum, 560 casks cement, Bactjer & Meyerstein; 1,160 do., Gabriel & Schall; 1,500 do., order.

From Genoa.—Steamer "Fulda," 40 cases granite, Racer & Co.

From Glasgow.—Steamer "Furnessia," 7 cases granite, R. F. Downing & Co.; 2 do., Prin. Forwood & Co. Steamer "Grecian," 41 cases granite, Chas. H. Moore & Co.; 7 do., R. F. Downing & Co.; 173 do., Austin, Baldwin & Co.

From Hamburg.—Ship "Theo. Fischer," 500 casks cement, Gabriel & Schall; 1,700 do., 3,000 barrels do., order. Steamer "Chemnitz," 340 packages cement, E. Thiele; 840 casks do., 530 barrels do., order. Steamer "Rugia," 840 casks, E. Thiele; 1,000 barrels do., order. Steamer "Wieland," 500 barrels cement, order.

From Liverpool.—Steamer "Amara," 265 casks bricks, Meeker & Carter; 336 do., Merchant's Bank of Canada; 130 do., Brown Bros. & Co.; 105 hard wood logs, order. Steamer "St. Romans," 22,000 fire bricks order.

From London.—Steamer "Mohawk," 1,000 casks cement, C. J. Stevens; 500 do., Ladenberg & Thalmann; 1,000 do., Fleming Cement and Brick Co.; 7 cases floor bricks, M. R. Rossmann; 500 casks cement, Hammill & Gillespie; 500 do., E. Thiele; 1,000 do., order.

From Marseilles.—Bark "Principe di Napoli," 515,900 kilograms asphalt, S. H. Brosmann.

From Nassau.—Steamer "Antilia," 20 logs mahogany, F. T. Montell & Sons.

From Newcastle-on-Tyne.—Steamer "Croma," 50,000 square fire bricks, Hammill & Gillespie.

From Rotterdam.—Steamer "Dubbeldam," 1,000 casks cement, E. Thiele. Steamer "Loch Etive," 1,000 casks cement, E. Thiele; 1,500 barrels do., Brown Bros. & Co.; 1,000 casks do., 700 barrels do., order. Steamer "Rotterdam," 1,000 casks cement, E. Thiele; 1,854 do., order.

From St. John, N. B.—Schooner "Benj. T. Biggs," 804,000 laths, Scammell Bros.

From Swansea.—Steamer "Massasoit," 3,000 casks fire-bricks, Hammill & Gillespie.

From Stettin.—Steamer "Hekla," 2,000 casks cement, order. Steamer "Venetia," 280 barrels Portland cement, H. Marquardt & Co.; 500 do., J. Behrend; 1,000 do., cement, E. Thiele; 3,500 do., 2,500 do., Portland cement, order.

From Santa Cruz.—Bark "Bahama," 1,690 logs mahogany, Mele Bros.; 263 do. cedar, order.

From Tampico.—Steamer "Monmouth," 62 logs cedar, Seaboard Lumber Co.

From Two Rivers, N. S.—Schooner "Saxon," 837,000 laths, H. B. Rawson & Co. Schooner "Lizzie Cochrane," 550 pieces fling, Graves & Steers.

From Vera Cruz.—Steamer "Seneca," 22 logs mahogany, Isaac Brandon & Bros. Steamer "City of Alexandria," 28 blocks marble, A. Wetzlar's Sons.

From Windsor, N. S.—Schooner "Gypsum King," 1,160 tons plaster, J. F. Whitney & Co. Schooner "Gypsum Prince," 1,406 tons plaster, J. F. Whitney & Co.

From Zaza.—Schooner "Lelia Smith," 600 logs cedar, 173 do., mahogany, T. G. Tomas.

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.

Ashland, Pa.—Improvements and alterations to the Union Hotel; owner, Mr. Rowe.

Boston, Mass.—Stanford Pl., five-st'y brick addition to Geo. H. Dickerman & Co.'s paper box factory, flat roof, 20' x 60'; builder, J. F. Marston; architect, S. S. Woodcock, Boston.

Camden, N. J.—Benson St., No. 556, one-st'y brick addition to dwell.; owner, Wm. Senem. Market St., No. 309, one-st'y addition to shop; owner, J. F. Davis, 312 Cooper St.

BUILDING INTELLIGENCE.

(Alterations Continued.)

Stevens and Fifth Sts., three-st'y addition to dwell.; owner, D. Lummls.

Carpenter St., above Ninth St., additions to two brick buildings; owner, John Mullin.

South Third St., No. 544, two-st'y brick addition; owner, John W. Wartman.

South Fourth St., No. 24, alteration to dwell.; owner, C. Johnson.

Liberty St., No. 288, alteration to dwell.; owner, G. W. Heyer.

Chicago, Ill.—D. Bremner, four-st'y addition, 83 Kramer St.; cost, \$6,000.

John C. Schutler, three-st'y addition, 116 Racine Ave.; cost, \$3,500.

May's Landing, N. J.—Alterations to the county jail and sheriff's dwell.; owners, Atlantic Board of Freeholders.

Morton, Pa.—Additions to the Kedron M. E. Church; architects, Day & Coates, 910 Drexel Building, Philadelphia.

Philadelphia, Pa.—North Fortieth St., No. 700, alterations to dwell.; owner, Dr. C. R. Norton; architects, Day & Coates, 910 Drexel Building.

Baring and Bell Sts., alterations to dwell.; owner, John Stevenson; architects, Day & Coates, 910 Drexel Building.

Paul St., n Green St., one-st'y addition to church; builders, W. Milnor & Co.

Pechin St., s w cor. Martin St., addition to church; builder, John Detells, 712 North Thirtieth St.

Broad St., alterations to the Union League Building; architect, R. G. Kennedy, 915 Drexel Building.

Arch St., n w cor. Twelfth St., addition to ten-st'y hotel; owner, John M. Sharp, 1936 College Ave.

Yocum St., s e cor. Forty-ninth St., one-st'y addition to stable; owners, Hamilton Stable Co., 4824 Yocum St.

Addition to the Haddington M. E. Church; builder, John R. Wiggins, 1635 Seybert St.

Manheim St., Germantown, alteration and addition to dwell.; owner, Geo. C. Strawbridge; architect, M. Fielding, 110 South Fourth St.

Roxborough, Pa.—Pechin and Martin Sts., two-st'y frame and brick addition to the Lutheran Church.

York, Pa.—Alterations to the First Baptist Church; architect, Edwin F. Bertolette, 1220 Filbert St., Philadelphia.

APARTMENT-HOUSES.

Boston, Mass.—Poplar St., No. 38, Ward 8, four-st'y brick apartments, flat roof, 19.6' x 71.5'; owner, A. Tinklestein.

Chicago, Ill.—Frank Kooenicka, three-st'y flats, 975 West Eighteenth St.; cost, \$6,000.

R. McCormick, two-st'y flats, 308 Sheffield Ave.; cost, \$6,000.

Mary Lester, two-st'y flats, 136 West Adams St.; cost, \$5,000.

E. Sylvester, 2 three-st'y flats, 1810-1812 Eighteenth St.; cost, \$7,000.

Charles Summer, two-st'y flats, 40 Werder St.; cost, \$3,200.

New York, N. Y.—Eighty-ninth St., s s, 96' w Avenue B, 6 five-st'y brick flats, tin roofs; cost, \$96,000; owners, Sauer & Gross, 548 East Eighty-seventh St.; architect, Frank Wennemer, 204 East Eighty-sixth St.

Sixty-sixth St., n s, 275' e Amsterdam Ave., 4 five-st'y brick flats, tin roofs; cost, \$108,000; owner, James O'Brien, Sixth Ave. and Thirty-eighth St.; architect, George Keister, 140 West Thirty-fourth St.

St. Mark's Pl., No. 27, five-st'y brick flat, tin roof; cost, \$28,000; owners, Fay & Stacom, 337 Pleasant Ave.; architect, Charles Kentz, 153 Fourth Ave.

Philadelphia, Pa.—Elm and Girard Aves. and Forty-first St., apartment-house; architect, J. C. Worthington, 1305 Arch St.

CHURCHES.

Brooklyn, N. Y.—Bleecker St., s s, 144' e Central Ave., two-st'y frame church and school, tin roof; cost, about \$17,000; owner, J. Wirnack, rector; architect, F. J. Berlenbach, Jr., 260 Graham Ave.

Hastings, Pa.—Church for the Presbyterians.

Mahanoy City, Pa.—Church; pastor, Rev. I. M. Gable.

Newark, N. J.—Washington Ave., near One Hundred and Seventieth St., church for St. Paul's Episcopal Church congregation; architect, Wm. Halsey Wood, 774 Broad St.

Pittsburgh, Pa.—Church for the Ebenezer Baptist Church; builder, G. P. Kertz.

Wayne, Pa.—Frame Roman Catholic Church; pastor, Rev. Father Hand; architect, Edwin F. Durang, s w cor. Chestnut and Twelfth Sts., Philadelphia.

West Philadelphia, Pa.—Parish and Forty-second Sts., church for St. Peter's German Evangelical Lutheran Church; architect, C. L. C. Hartman.

FACTORIES.

Boston, Mass.—Avon Pl., No. 1, Ward 22, four-st'y brick spinning mill, flat roof, 53' x 125'; owner, E. J. W. Morse Co.; builder, A. B. Morse.

Brooklyn, N. Y.—Lafayette Ave., n w cor. Throop Ave., six-st'y brick factory, tin roof; cost, \$15,000; owners, Butterick Publishing Co., on premises.

Record Pl., n e cor. Chestnut St., one-st'y brick

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(Factories Continued.)

factory and boiler-house, gravel roof; cost, \$3,000; owners, National Wall Paper Co., on premises; architect, M. E. Tisdale, Warwick St., near Fulton St.

Chicago, Ill. — William Schukraft, three-st'y factory, 441 Fulton St.; cost, \$4,000.

Cooper's Point, N. J. — Brick factory; architect, Hugo Malmédie, 1635 Columbia Ave., Philadelphia.

Worcester, Mass. — Park Ave., four-st'y brick and stone factory; owners, Harrington & Richardson Arms Co.; contractors, Cutting, Bardwell & Co.; architect, A. P. Cutting.

HOUSES.

Philadelphia, Pa. — Thompson St., s e cor. Fifteenth St., three-st'y brick dwell.; builder, W. D. Laverell, 1727 North Twentieth St.

Westminster Ave., s s, w Forty-ninth St., 22 two-st'y brick dwell.; owner, Wm. F. Cox, 802 Federal St., Camden, N. J.

Southampton Ave., s s, n Twenty-seventh St., three-st'y brick dwell.; builder, Wm. J. Patterson, Southampton Ave.

Fifteenth St., w s, s Westmoreland St., 14 three-st'y brick dwell.; owner, George W. Zane, 2127 Camac St.

Chelton Ave., s e cor. Stenton Ave., 2 three-st'y brick dwell.; builder, Burd P. Evans, Manheim and Knox Sts.

Main St., s e cor. Jackson St., three-st'y brick dwell.; builder, W. H. Eastman, 480 Green Lane.

County Line, s s, a w P. R. R., brick dwell.; owner, T. Henry Asbury, Oak Lane.

Forty-eighth St., w Warrington St., 12 three-st'y dwell.; builders, C. W. Budd & Bro.

Willow Grove Ave., s s, w Twenty-fifth St., two-st'y brick dwell.; owner, Henry Selignt, East Willow Grove Ave.

Mt. Pleasant St., s s, w Main St., 8 three-st'y brick dwell.; owner, John O. Broadbent, 5016 Germantown Ave.

Washington Lane, s s, e Chew St., three-st'y brick dwell.; builders, James Kinnear's Sons, 106 East Chelton Ave.

Garfield St., s s, w Germantown Ave., 14 two-st'y brick dwell.; owner, Henry C. Jacoby, 10 Mel St.

Root Estate, 100 two and three st'y press-brick and stone dwell.; builder, Wm. G. Serrill.

Venango St., w Fifteenth St., 10 three-st'y brick dwell.; owner, Herbert H. Downbrough, 2709 Fairhill St.

Somerset St., n s, e Tulip St., 8 two-st'y brick dwell.; owner, Owen McArdel, 2544 East Lehigh Ave.

Lambrecht St., n s, e Fairhill St., 9 brick dwell.; owner, Ludwig Lambrecht, 3256 North Fifth St.

Margaret St., s s, e Cedar St., 2 two-st'y brick dwell.; builder, W. S. Roberts, 4921 Franklin St.

Kennington Ave., w s, a and Oxford Pike, s Levick St., two-st'y brick dwell.; builder, Samuel Morrison, 3635 North Fifth St.

Market St., s s, w cor. Thirty-fourth St., two-st'y brick dwell.; builder, S. Gourley, Jr., 238 Susquehanna Ave.

North St., s s, bet. Seventy-second and Seventy-third Sts., brick dwell.; owner, Mrs. Bella Arnett, Seventy-third and North Sts.

BUILDING INTELLIGENCE.

(Houses Continued.)

Edgewood St., s s, bet. Elmwood and Buist Aves., two-st'y brick dwell.; builder, W. T. Van Horn, 3838 Parrish St.

James St., No. 170, two-st'y brick dwell.; builder, C. C. Linahan, 215 Spencer St.

Wissahickon Ave., w s, n Naomi St., 2 three-st'y brick dwell.; builder, W. W. Umsted, Wissahickon Ave.

Penn. St., e s, s Morris St., 13 two-st'y brick dwell.; builder, B. C. Colom, Independence Building.

Spencer St., n s, w Twenty-first St., 6 two-st'y brick dwell.; builder, B. C. Colom, Independence Building.

North Sixteenth St., No. 120, three-st'y brick dwell.; builder, Theo. M. Keeney, 118 North Sixteenth St.

Thirty-third St., e s, n Diamond St., three-st'y brick dwell.; builders, George F. Payne & Co., 401 South Juniper St.

Diamond St., n s, bet. Thirty-first and Thirty-second Sts., 24 three-st'y brick dwell.; owners, Jas. H. Stevenson & Son, Ridge Ave. and Diamond St.

Walter St., n s, w Sixteenth St., 2 eight-st'y brick dwell.; builder, Wm. Bunch, Jr., 422 North Forty-first St.

Fallow St., e s, s Catharine St., 2 three-st'y brick dwell.; builder, L. Douglass, 146 Bread St.

Baltimore Ave. and Forty-seventh St., 22 buff brick dwell.; owner, Albert Gieske, Seventy-first St. and Paschal Ave.

Fifteenth St., w s, beg. cor. Westmoreland Ave., 14 three-st'y press-brick and stone dwell.; owner, George W. Zane.

Kingsessing St., n s, e Forty-sixth St., brick dwell.; owner, J. H. Virkler, 1008 Belmont Ave.

Ludlow St., n s, e Forty-fourth St., two-st'y brick dwell.; owner, H. W. Urian, 5505 Woodland Ave.

Somerville, Mass. — Jenny Lind Ave., near Medford St., frame dwell.; owner, Alvin Goodspeed; builder, L. W. Hutchinson.

Lake St., frame dwell.; owner, George W. Lake; builder, Ellsworth Earnest.

Lawrence St., frame dwell.; owner and builder, R. C. McNabb.

Hanson Ave., near Hanson St., five frame dwell.; owner, Israel P. Rice.

Worcester, Mass. — Herdsleigh St., three-st'y brick and stone dwell.; owner, H. H. Phelps; contractor, Geo. G. Thompson.

PUBLIC BUILDINGS.

Fayetteville, N. C. — \$20,000 will be expended in the building of a school-house.

SCHOOL-HOUSES.

Birmingham, Ala. — Presbyterian college, to cost about \$50,000, is in contemplation.

Glenville, W. Va. — The building of a school, to cost \$20,000, is contemplated.

Lampasas, Texas. — The city authorities will build a school, to cost about \$35,000.

Montreal, Can. — Young St., school-house; owners, Redemptorist Fathers; architect, C. St. Jean, 180 St. James St.

Salem, Mass. — Brick and stone State Normal

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(School-Houses Continued.)

School, three stories, pitch roof, 137' x 180'; con-
tract to be let; architect, J. P. Rinn, Boston.

STABLES.

Boston, Mass. — Bainbridge St., rear No. 65, Ward
21, one-st'y brick stable, hip roof, 26' x 32'; owner
and builder, J. J. Johnstone.

Washington Ave., rear, near Hyde St., Ward 15,
frame stable, 20' x 33'; owner, A. P. Robeson.

Philadelphia, Pa. — Thirty-fifth St., w s, bel.
Queen St., two-st'y brick stable; owner, John Mo-
henadle, Queen St. and Norristown Ave.

Gray's Ferry Ave., w s, s Seventy-second St.,
two-st'y brick stable; builder, George Kyle, Seventy-
fifth St. and F Ave.

Philip St., e s, n Dauphin St., two-st'y brick
stable; builders, John Mitchell & Son, 807 West
Lehigh Ave.

Worcester, Mass. — Hurd St., one-and-one-half-st'y
frame stable; owner, Mrs. S. P. Bowen; contractor,
T. D. Gunner.

Herming Ave., one-and-one-half-st'y frame
stable; owner, E. W. Shodi; day-work.

Hudson St., one-and-one-half-st'y frame stable;
owner, Geo. W. Houck; day work.

STORES.

Chicago, Ill. — Frank Trainer, three-st'y store and
flats, 117 Cornell St.; cost, \$9,000.

Joe Osekowski, 2 three-st'y stores and flats, Elston
Ave. and Fleetwood St.; cost, \$8,500.

F. Schuck, three-st'y store and flats, 239 Division
St.; cost, \$11,000.

H. Henge, two-st'y store and flats, 1569 Harrison
St.; cost, \$3,600.

Cincinnati, O. — Jos. Stricker, two-st'y frame store
and dwell., s s Observatory Rd.; cost, \$2,000; archi-
tect, Geo. Elliott.

Jno. Rivert, three-and-one-half-st'y brick and
stone store and dwell., 200 Fremant St.; cost, \$5,000;
architect, Aug. Brink.

Herman Sackman Brewing Co., three-st'y brick
and stone store and dwell., 515-517 West Sixth St.;
cost, \$15,000; architect, Otto C. Wolf, Philadelphia,
Pa.

H. A. Stoffregen, three-st'y brick and stone store
and dwell., s w Hamilton Ave.; cost, \$4,000; archi-
tect, Wm. Stoffregen.

Jno. Hauck Brewing Co., three-st'y brick and
stone store and dwell., s s Poplar St.; architect, J.
J. Ruechert.

Henry Hanna, six-st'y brick and stone store and
dwell., s e Main St.; cost, \$20,000; architect, G. W.
Drach.

Henry Hanna, five-st'y brick and stone store,
etc., n s Fourth St.; cost, \$8,000; architect, G. W.
Drach.

Charles Blank, two-and-one-half-st'y brick and
stone store and dwell., n e Ravine St.; cost, \$6,000;
architects, Reig & Marty.

B. H. Kroger, four-st'y brick and stone store and
dwell., 383 West Sixth St.; cost, \$5,500; architects,
Des Jardins & Hayward.

Minneapolis, Minn. — J. C. Oswald, brick store, 253
Hennepin Ave.; cost, \$10,000.

Montreal, Can. — Ottawa St., store and ten dwell.;
owner, Jos. Tessier; architect, R. Montbriant, 42
St. André St.

Notre Dame St., two stores and dwell.; owner,
J. Euclide Pilon, 11 Champlain St.; architect, J.
Alcide Chausse, 153 Shaw St.

Worcester, Mass. — Minthorne St., one-st'y frame
store; owner and contractor, Calixte Credit.

Milbury St., one-st'y frame store; owners, Jacob
Forosian & Co.; contractor, F. X. Faucher.

TENEMENT-HOUSES.

Boston, Mass. — East Dedham St., No. 105, three-
st'y brick and stone tenements, flat roof, 26' x 90';

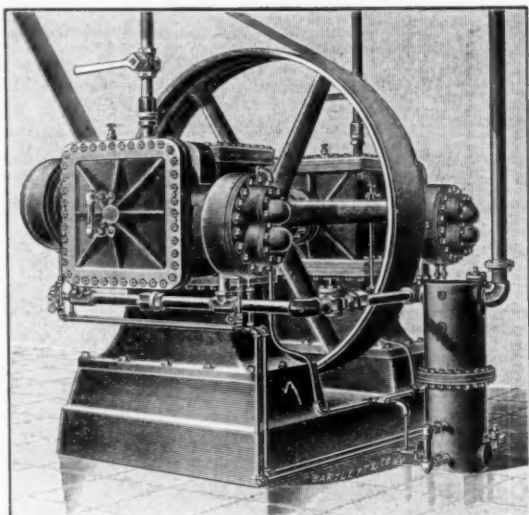
UNEQUALLED IN DURABILITY AND STRENGTH, and Unexcelled in Beauty.

The Product of the Quarries of the Potsdam Red Sandstone Company, of Potsdam, N. Y., can be had in any Quantity, at the Shortest Notice.

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Samples and full information free to Architects.

ARTIFICIAL REFRIGERATION.



We invite the attention of Architects to the form of Refrigerating Apparatus which we manufacture, on account of its special fitness for Hotels, Apartment-houses, Clubs, Hospitals, Private Residences, and work of like character.

It may take power from the same shaft that runs the electric-lights, elevators, laundry, etc., or from an independent electric-motor or gas-engine.

It needs no special attendant, but becomes simply a part of the general plant in charge of the engineer.

It occupies only a fraction of the space of any other machine.

It is light running and noiseless, and has no equal in the economical use of water and power.

To illustrate. We fit up an Apartment-house, distributing refrigeration to all parts of the building;—equip permanent cooling boxes, both for the tenants and the steward, including freezing temperatures if required;—maintain a constant supply of drinking-water in block-tin coolers;—make ice for table use; freeze caraffes of water, ice creams, etc., for the restaurant—and at almost nominal cost for operation.

This is a department wholly distinct from the ordinary commercial uses of Refrigeration, and we are giving it the benefit of our best engineering.

Having patterns of compressors from one-fourth ton to one hundred tons of refrigeration per day, we cover the whole field, and are also Contractors for the heaviest class of work in Cold-Storage Warehouses, Breweries, Artificial-Ice Factories, etc. We solicit correspondence.

WESTINGHOUSE, CHURCH, KERR & CO. Engineers

620 Atlantic Avenue, Boston,
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156 and 158 Lake Street, Chicago.

Commercial Building, St. Louis.
Westinghouse Building, Pittsburgh.
Drexel Building, Philadelphia.

BUILDING INTELLIGENCE.

(Tenement-Houses Continued.)

owner, O. Nute, built by the day; architect, S. S. Woodcock, Boston.

Montreal, Can.—Grant St., nine tenements; owner, P. P. Martin; architect, H. R. Pallbord, 7 Place d'Armes Square.

WAREHOUSES.

Baltimore, Md.—Bernard Reilly will build four-st'y brick warehouse, n w cor. Pratt and Calvert Sts. Chas. J. Bonaparte will build four-st'y brick warehouse, w s Frederick St., bet. Baltimore and Fayette Sts.

MISCELLANEOUS.

Arcadia, Fla.—Jail-building, to cost \$10,000, will be built by Ganby & Brown, contractors.

Boston, Mass.—Drake's Wharf, rear No. 244 Federal St., Ward 12, one-st'y brick oil house, flat roof, 20' x 38'; owners, N. Y. & N. E. R. Co.

Brooklyn, N. Y.—Wallabout St., s s, 75' e Marey Ave., four-st'y brick varnish storehouse, felt and gravel roof; cost, \$15,000; owners, Moller & Schuman, Gerry St. and Marey Ave., architect, Th. Engelhardt, 905 Broadway.

Marion St., s s, 125' w Ralph Ave., three-st'y frame hall and lodge-room, tin roof; cost, \$4,000; owner, L. Burtis, Jr., McDonough St.; architect, A. J. Warren, 2581 Atlantic Ave.

Chicago, Ill.—Chicago Gas Light & Coke Co., storage house, 2722 Cologne St.; cost, \$4,000.

Cincinnati, O.—Card Electric Co., manufacturing building, s e cor. Hunt St.; cost, \$3,000; architect, Ben. Evans.

Cincinnati Gas-light and Coke Co., two-st'y brick and stone water gas-plant, s s Front St.; cost, \$15,000; architect, Geo. Rapp.

Cincinnati St. R. Co., brick and stone foundation for power-house, Fairview Ave.; cost, \$7,000; architect, Bert. Baldwin.

College Hill, Mass.—Three-st'y brick and stone dormitory, pitch roof, 74' x 70', for Tufts College; contract to be let; architect, J. P. Rinn, Boston.

BUILDING INTELLIGENCE.

(Miscellaneous Continued.)

Hempstead, Texas.—Three-st'y bank and office building, to cost about \$10,000, will be built by the Farmers' National Bank.

Worcester, Mass.—Central St., four-st'y brick and stone storehouse; owner, Rockwood Hoar; contractor, B. C. Jacques; architects, Patston & Lincoln.

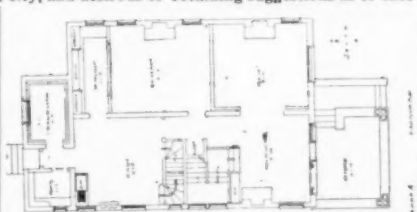
Sutton Lane, brick and stone power station; owners, Worcester Traction Co.; builders, The Webb Granite and Construction Co.; architects, Field Engineering Co.

Main St., two-st'y brick and stone business block; owner, R. F. Taylor; contractor, Thomas Barrett; architect, C. H. Blackall, Boston.

COMPETITIONS.

COMPETITION FOR DRAUGHTSMEN.

A gentleman about to build a dwelling in a Western city, and desirous of obtaining suggestions as to exterior treatment, by which the local architect he is employing may benefit, authorizes us to offer as prize for a suitable design a year's subscription to the International Edition of the American Architect.



It is to be understood: (1) That this invitation is addressed to members of sketch-clubs rather than to architects.

COMPETITIONS.

(2) That only sketches of the exterior treatment suitable to the adjoined plan (which need not be absolutely adhered to) are desired.

(3) That the local architect is to carry out the work if any design is found suitable.

(4) That the owner makes his own selection, and returns unused designs promptly.

(5) That designs are to be sent to the office of the American Architect on or before July 26 next.

917

PROPOSALS.

Treasury Department, Office Supervising Architect, Washington, D. C., July 13, 1893. Sealed proposals will be received at this office until 2 o'clock P. M. on the 9th day of August, 1893, and opened immediately thereafter, for all the labor and materials required for the excavation, concrete foundations, cut-stone and brick work, iron and wood floor, ceiling and roof construction, roof-covering, drainage, approaches, etc., for the United States Post-office building at Staunton, Va., in accordance with the drawings and specification, copies of which may be had at this office or the office of the Superintendent at Staunton, Va. No convict labor nor the use of any product of convict labor will be allowed in the work. Each bid must be accompanied by a certified check for a sum not less than two per cent of the amount of the proposal. The right is reserved to reject any or all bids, or to waive any defect or informality in any bid, if it be deemed in the interest of the Government to do so. All bids received after the time stated will be returned to the bidders. Proposals must be enclosed in envelopes sealed and marked "Proposal for the Excavation, Concrete Foundations, Cut-stone and Brick Work, Iron and Wood Floor, Ceiling and Roof Construction, Roof-covering, Drainage, Approaches, etc., for the United States Post-office building at Staunton, Va.," and addressed to JEREMIAH O'ROURKE, Supervising Architect. 918

Treasury Department, Office Supervising Architect, Washington, D. C., July 13, 1893. Sealed proposals will be received at this office until 2 o'clock P. M. on the 4th day of August, 1893, and opened immediately

(Proposals Continued.)

thereafter, for supplying and delivering at freight-depot at place of destination the Post-office lock-boxes, lock-drawers, locks, pulls, plates, etc., for United States Public Buildings, in accordance with specification, as may be ordered during the fiscal year ending June 30, 1894. Copies of the specification and any additional information may be had on application at this office. Each bid must be accompanied by a certified check for \$100. The right is reserved to reject any or all bids, or to waive any defect or informality in any bid, if it be deemed in the interest of the Government to do so. All bids received after the time stated will be returned to the bidders. Proposals must be enclosed in envelopes, sealed and marked "Proposal for Lock-boxes, Lock-drawers, Locks, Pulls, Plates, etc., for the United States Post-offices," and addressed to JEREMIAH O'ROURKE, Supervising Architect. 918

Treasury Department, Office of the Supervising Architect, Washington, D. C., July 12, 1893. Sealed proposals will be received at this office until 2 o'clock P. M. on the 4th day of August, 1893, and opened immediately thereafter, for the stone and brick work of the first story, the first-story iron columns, the second-floor girders, I-beams and wood-joists, etc., for the United States Post-office building at Richmond, Ky., in accordance with the drawings and specification, copies of which may be had at this office or the office of the Superintendent at Richmond, Ky. No convict labor nor the use of any product of convict labor will be allowed in the work. Each bid must be accompanied by a certified check for a sum not less than two per cent of the amount of the proposal. The right is reserved to reject any or all bids, and to waive any defect or informality in any bid, if it be deemed in the interest of the Government to do so. All proposals received after the time stated will be returned to the bidders. Proposals must be enclosed in envelopes sealed and marked "Proposal for the Stone and Brick Work of the First Story, the First-story Iron Columns, the Second-floor Girders, I-beams and Wood-joists, etc., for the United States Post-office building at Richmond, Ky.," and addressed to JEREMIAH O'ROURKE, Supervising Architect. 918

Treasury Department, Office Supervising Architect, Washington, D. C., July 10, 1893. Sealed proposals will be received at this office until 2 o'clock P. M. on the 25th day of July, 1893, and opened immediately thereafter, for all the labor and materials required to put in place complete the cast-iron and Z-bar columns, steel and iron floor, ceiling and roof construction, ceiling light, skylight roof, dormers, etc., complete for the United States Post-office Building, Worcester, Mass., in accordance with the drawings and specification, copies of which may be had on application at

(Proposals Continued.)

this office or the office of the Superintendent at Worcester, Mass. No convict labor nor the use of any product of convict labor will be allowed in the work. Each bid must be accompanied by a certified check for a sum not less than two per cent of the amount of the proposal. The right is reserved to reject any and all bids, and to waive any defect or informality in any bid, should it be deemed in the interest of the Government to do so. All bids received after the time stated will be returned to the bidders. Proposals must be enclosed in envelopes, sealed, and marked "Proposals for Iron Columns, Steel and Iron Floor, Ceiling and Roof Construction, etc., for the United States Post-office Building, Worcester, Mass.," and addressed to JEREMIAH O'ROURKE, Supervising Architect. 917

Treasury Department, Office Supervising Architect, Washington, D. C., July 10, 1893. Sealed proposals will be received at this office until 2 o'clock P. M. on the 3d day of August, 1893, and opened immediately thereafter, for all the labor and materials required to put in place complete the steel and cast-iron columns in basement and first story, steel and iron floor-construction of the first, second and mezzanine floors, etc., for the United States Post-office building at Washington, D. C., in accordance with the drawings and specification, copies of which may be had at this office or the office of the Superintendent, Washington, D. C. No convict labor nor the use of any product of convict labor will be allowed in the work. Each bid must be accompanied by a certified check for a sum not less than two per cent of the amount of the proposal. The right is reserved to reject any and all bids, and to waive any defect or informality in any bid, if it be deemed in the interest of the Government to do so. All bids received after the time stated will be returned to the bidders. Proposals must be enclosed in envelopes sealed and marked "Proposal for the Steel and Cast-Iron Columns in Basement and First Story, and the Steel and Iron Floor-construction of First, Second and Mezzanine Floors, etc., for the United States Post-office building at Washington, D. C.," and addressed to JEREMIAH O'ROURKE, Supervising Architect. 917

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THE COLUMBUS WROUGHT STEEL SINK DISPLACES ALL OTHERS

PAINTED, GALVANIZED, ENAMELLED.

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The Kilbourne & Jacobs Mfg. Co.
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Front Brick,

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Fireproofing, Wall & Floor Tiles.

W. H. GATES
OFFICE:
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Roofing Tile,
Building Brick.

ANTINONNIN

offers a complete protection against
DRY ROT, FUNGI, MILDEW,
MOLD AND CRYPTOGAMS.

and is available for both Wood-work and Masonry.
This new substance is a product of the FARBEN-
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ANTINONNIN is odorless, non-volatile, soluble in
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ANTINONNIN penetrates wood and remains in it,
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freedom from odor, its ease of application, its
lasting properties, and its EXTRAORDINARY
POWER AS A DESTROYER of all fungoid
growths and all organisms which favor dampness
and mildew.

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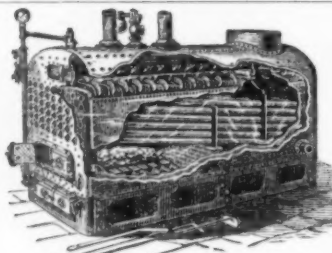
is the best application now known for the MASONRY
and WOOD-WORK OF CELLARS, STORE-HOUSES,
WINE-CLOSETS, LAUNDRIES, STABLES,
WATER-CLOSETS, all OUT-HOUSES, and all struc-
tures exposed to the influence of damp.

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water or whiteash, and applied with a brush or
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A FULL DESCRIPTION of this new substance will
be forwarded on application to

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Sole Agents for the United States.



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GAS BURNERS.

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NON-EXPLOSIVE, BEST MATERIAL AND WORKMANSHIP,
ECONOMICAL COALER, QUICK STEAMER.

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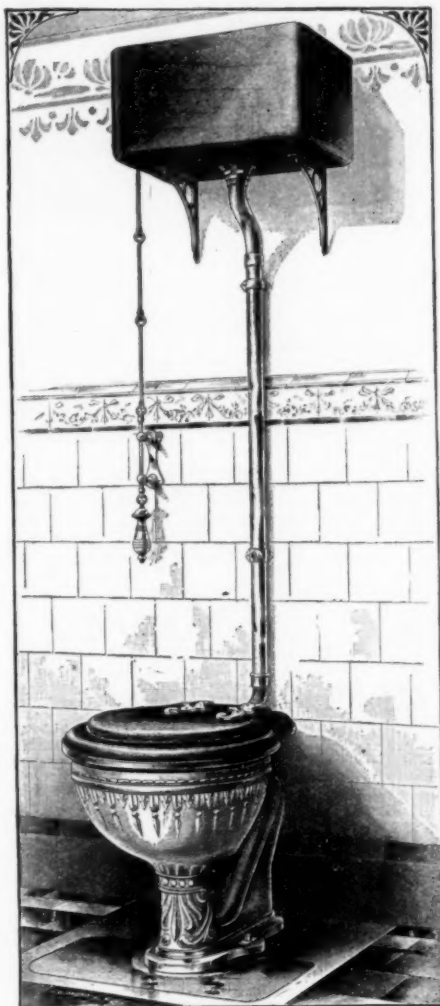
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Cabot, S.....	vi	Haines, J. & Cadbury Co.....	xvii	National Wood Mfg. Co.....	x	Taylor, J. W.....	E
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						Worthington, Henry R.....	ix



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84-90 Beekman Street, New York.
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"THE PRIMO" Patent Direct Action Syphon Jet Water-Closet, With "PERFECTO" Seat.

THE "PERFECTO" SEAT.

(Patent applied for.)

WALL-LINE



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

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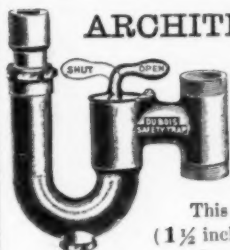
It is quick, thorough and comparatively
noiseless in operation. It represents in its
construction the best and most modern prin-
ciples of sanitation. We guarantee the
Primo, and architects and plumbers can guar-
antee it to their clients and customers. The
earthenware is made by the best potters in the
world, T. C. Brown, Westhead, Moore & Co.
The bowl contains a large body of water and
the water seal is nearly 5 inches, affording
an effectual barrier to sewer gas. The Per-
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is artistic in appearance, requires no wall
brackets, and leaves the space behind and all
parts of the bowl free for cleansing. Illus-
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OUR LATEST PRODUCTION IS A
JET WATER CLOSET
which holds a large body of water (8 inches deep).
MAKES LESS NOISE AND COSTS LESS MONEY THAN ANY
OTHER FIRST-CLASS CLOSET ON THE MARKET.
Simple in Construction, Prompt and Positive in Action and elegant
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SHOULD EXAMINE THE

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An Entirely New Article in the Plumbing Line.

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

"EJECTOR" Faucets

For the finest, first-class work; made only of bronze composition, and all plating is
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DRAWN LEAD TRAPS AND BENDS.

MCCLELLAN

Anti-siphon Trap Vent.

This Vent affords absolute security against trap siphonage in all situa-
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Used exclusively in the Lavatories in the Buildings of the World's Fair, Chicago.

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Form, with
Glass
Bottom.

Put into the White House by the U. S. Government.
SEALS WITH OR
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For venting, use vent-top.



For venting, use vented outlet

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

ENAMELLED FRENCH BATHS.

With
Patent Supply
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SANITARY SPECIALTIES.

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THE ONLY GALVANIZED IRON VENTILATOR
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Public and Private Buildings and Railroad Cars
Perfectly Ventilated. Smoky Chimneys Cured.
Stationary, Ornamental, Noiseless, Storm-
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TO ARCHITECTS,
BUILDERS
AND OWNERS.

Attention is called to Fireproof and Vermin-Proof

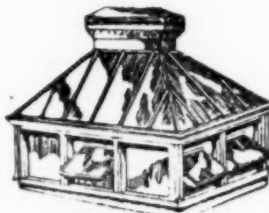
MINERAL WOOL,

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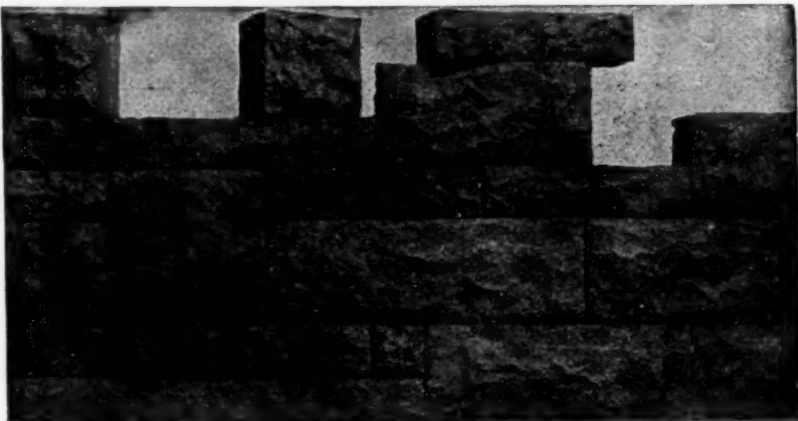
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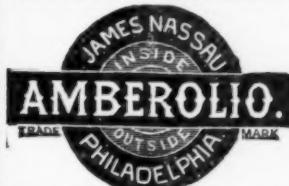
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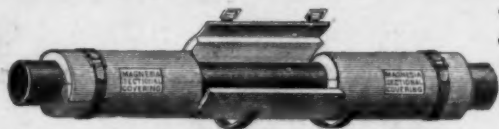
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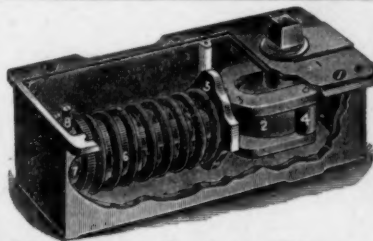
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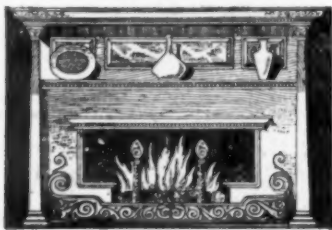
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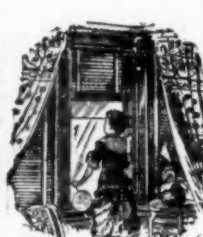
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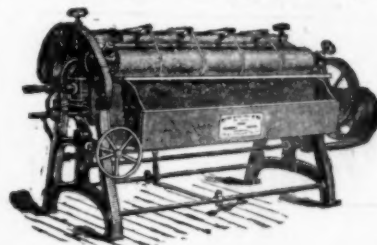
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Capital—\$80,000

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Boards: (Ordinary dimensions.)

Pine, 1st quality, clear.....

" 2d quality.....

" 3d quality.....

Spruce.....

Hemlock.....

Yellow pine.....

Cypress.....

Clapboards:

Pine.....

Spruce.....

Framing Timber:

Pine.....

Spruce.....

Hemlock.....

Yellow pine.....

Laths:

Pine.....

Spruce.....

Shingles:

Pine, shaved.....P. M.....

Pine, sawed.....

Spruce, sawed.....

Redwood.....P. 125.....

Cedar split.....P. M.....

Cedar sawed.....

Cypress, Split.....7 x 24.....

Miscellaneous:

Pine.....

Pine pickets, Common.....

Cedar posts, 9 ft. (sq. posts.).....

Chestnut posts.....

Finishing Woods: P. M. (First Qual.)

Ash.....(Kiln-dried.)

Cherry.....

Butternut.....

Hard-pine floors (rift).....

Mahogany, Baywood [Mexican].....

" St. Domingo.....

Maple.....

Oak, red.....

" white.....

" quartered.....

Sycamore quartered.....

Pine, clear.....

Redwood.....

Rosewood.....P. M.....

Spruce floors (clear, kiln-dried).....

Walnut, black.....

Whitewood.....

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

New York.

Boston.

Chicago.

Philadelphia.

(Wholesale Prices.)

(Prices to Builders and Contractors.)

65 00 @ 75 00	55 00 @ 70 00	42 00 @ 50 00	48 00 @ 55 00
55 00 @ 60 00	42 00 @ 50 00	27 00 @ 38 00	40 00 @ 45 00
18 00 @ 22 00	35 00 @ 40 00	14 00 @ 20 00	30 00 @ 35 00
@ 25 00	14 50 @ 25 00	Not sold.	16 00 @ 20 00
on 13 @ 14	13 00 @ 15 00	@ 12 00	11 25 @ 13 50
20 @ 40	25 00 @ 35 00	21 00 @ 34 00	14 00 @ 29 00
@	31 00 @ 40 00	18 00 @ 34 00	@ 35 00
@	38 00 @ 60 00	19 00 @ 24 00	14 00 @ 25 00
@	23 00 @ 38 00	Not sold.	Not sold.
14 00 @ 18 00	15 50 @ 18 00	12 00 @ 17 50	25 00 @ 37 30
12 00 @ 16 00	13 00 @ 15 00	Not sold.	16 00 @ 18 00
18 00 @ 21 00	22 00 @ 35 00	10 00 @ 13 00	13 00 @ 17 00
@	@	24 00 @ 34 00	22 00 @ 28 00
@	2 25 @ 2 50	@ 2 05	2 75 @ 3 00
Slab @ 2 50	2 35 @ 3 00	Not sold.	2 30 @ 3 00
5 00 @ 6 00	@	Not sold.	
4 00 @ 5 00	@ 4 50	2 60 @ 3 15	
1 50 @ 2 00	1 50 @ 00	Not sold.	
1 40 @ 1 60	3 75 @ 4 00	6 00 @ 7 50	{ 30" @ 35 @ 40
@	@	Not sold.	{ 24" @ 8 @ 21
@	2 00 @ 4 00	2 60 @ 2 75	{ 20" @ 35 @ 14
18 00 @ 20 00	5 00 @ 6 00	3 50 @ 4 00	11 00 @ 14 00
4 @ 5	Piles 60. P. ft.	Cut to order.	
8 00 @ 10 00	10 00 @ 18 00	P. 10 00 @ 22 00	9 00 @ 13 00
@	25 @ 50	9 @ 21	40 @ 1 25
@	25 @ 50	Not sold.	20 @ 30
@ 55 00	45 00 @ 60 00	14 00 @ 30 00	42 50 @ 47 50
80 00 @ 120 00	90 00 @ 120 00	35 00 @ 90 00	100 00 @ 120 00
40 00 @ 60 00	60 00 @ 70 00	17 00 @ 35 00	70 00 @ 80 00
@ 180 00	45 00 @ 50 00		
@ 350 00	150 00 @ 160 00	110 00 @ 170 00	150 00 @ 250 00
45 00 @ 50 00	120 00 @ 350 00	200 00 @ 250 00	200 00 @ 400 00
@ 70 00	45 00 @ 50 00	12 00 @ 20 00	25 00 @ 55 00
@ 90 00	50 00 @ 55 00	17 00 @ 27 00	42 50 @ 55 00
@ 70 00	50 00 @ 55 00	16 00 @ 28 00	45 00 @ 55 00
@ 90 00	65 00 @ 75 00	34 00 @ 40 00	60 00 @ 75 00
65 00 @ 70 00	50 00 @ 65 00	25 00 @ 28 00	57 50 @ 65 00
60 00 @ 70 00	50 00 @ 75 00	33 00 @ 50 00	@ 65 00
@ 6	60 00 @ 70 00	40 00 @ 45 00	60 00 @ 75 00
		per M. 600 60	
	32 00 @ 35 00		
125 00 @ 150 00	85 00 @ 120 00	40 00 @ 75 00	50 00 @ 170 00
45 00 @ 50 00	40 00 @ 45 00	14 00 @ 30 00	25 00 @ 40 00
@ 45 00	40 00 @ 42 00	31 00 @ 34 00	@ 42 00

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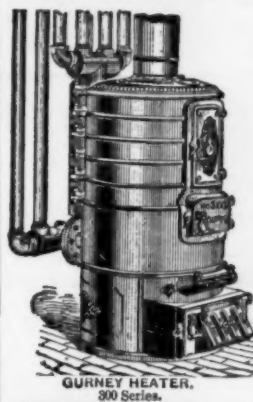
Philadelphia.

Foundation:

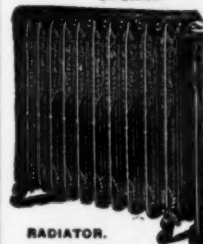
Wholesale Prices.)

(Prices to Builders and Contractors,

Dimension.....	500	500	500	500
Block.....	460	460	460	460
Rubble.....	125	125	125	125
Blue stone: (P sq. ft.)				
Sidewalk.....	30 @ 5.00	40 @ 1.75	75 @ 1.00	1 in. th. 10 @ 25
Placed.....	50 @ 6.00	@ 75	50 @ 1.00	37 @ 50
Sandstone:				
Longmeadow.....	@ 80	80 @ 90	@	95 @ 1.05
Kibbe.....	@ 90	90 @ 1.10	@	105 @ 1.25
Brown (Connecticut).....	100 @ 95	125 @ 1.45	150 @ 1.50	105 @ 1.25
Amherst Ohio.....	75 @ 1.00	90 @ 1.00	45 @ 50	85 @ 95
Berea.....	75 @ 1.00	85 @ 90	45 @ 55	55 @ 75
Berlin.....	75 @ 1.00	80 @ 90	55 @ 85	85 @ 95
Belleville.....	80 @ 1.25	125 @ 1.35	@ 1.25	100 @ 1.10
New Brunswick (Dorchester).....	@ 1.00	75 @ 90	@	105 @ 1.15
Caen.....	@	@ 2.00	@	125 @ 1.35
Carlisle, English.....	@ 1.05	@ 1.05	@	85 @ 1.05
Corse Hill (Scotts).....	@ 1.05	@ 1.05	@	95 @ 1.05
Marble: (P cu. ft.)				
Lee, Mass.....	@	175 @ 2.50	Not Sold.	200 @ 2.50
Rutland, white and blue.....	@	@ 3.00	350 @ 6.00	200 @ 3.00
Sutherland Falls.....	125 @ 1.75	@ 2.00	350 @ 6.00	170 @ 3.00
Glens Falls, black.....	@	@	Not Sold.	400 @ 4.50
Italian, blue-veined.....	@	@	@ 4.40	250 @ 2.75
" Sienna.....	@	@	Not Sold.	@ 5.00
Tennessee, red.....	@	@	@ 4.40	400 @ 6.00
" Knoxville.....	@	@	@ 4.40	300 @ 4.00
Pennsylvania, blue.....	@	@	Not Sold.	200 @ 3.00
Vermont, white.....	@	@	350 @ 6.00	225 @ 3.00
Slate: Roofing (P square).				
" green.....	500 @ 6.00	475 @ 5.25	550 @ 6.10	230 @ 3.00
" unfading.....	500 @ 6.00	550 @ 6.50	650 @ 7.10	325 @ 3.75
" purple.....	500 @ 6.00	550 @ 6.50	650 @ 7.10	350 @ 4.50
" red.....	@ 10.00	1000 @ 11.00	1200 @ 14.00	50 @ 10.25
" black, Lehigh.....	425 @ 4.75	@	625 @ 6.85	325 @ 4.00
" Chapmans.....	@	@	730 @ 8.00	00 @ 4.65
" Unfading black, Monson, Me.....	550 @ 8.00	550 @ 8.00	600 @ 9.00	550 @ 8.00
Tiles, Am.	@	@	Not Sold.	@ 25.00
N. Peach Bottom, warranted unfading.....	@	@	@	600 @ 6.75
PAINTS. (In Oil P lb.)				
White lead, Am.....	7 @ 7 1/2	6 1/2 @ 7	7 @ 7 1/2	@ 7 1/2
" zinc.....	5 @ 8 1/2	6 1/2 @ 7	5 @ 8 1/2	@ 7 1/2
Red lead, Am.....	6 1/2 @ 7	6 1/2 @ 7	6 1/2 @ 7	@ 7 1/2
" Venetian.....	6 @ 7 1/2	7 @ 12	1 1/2 @ 2 1/2	dry Eng. @ 7 1/2
" Vermillion.....	65 @ 70	70 @ 5 dry	65 @ 68	Eng. @ 7 1/2
" Indian, Eng.....	12 @ 20	12 @ 20	12 @ 20	dry Am. @ 1 1/2
Yellow Ochre.....	6 @ 15	7 @ 12	3 @ 15	@ 21
" Chrome.....	12 @ 20	18 @ 25	15 @ 25	" 15 @ 20
Green (chrome).....	8 @ 13	8 @ 20	8 @ 20	@ 12
Green, Paris.....	25 @ 40	25 @ 40	18 @ 35	10 @ 24
Black, lamp.....	15 @ 25	15 @ 25	8 @ 30	@ 60
Blue, ultramarine.....	12 @ 18	18 @ 30	12 @ 35	@ 63
Oil, linseed, (raw).....	55 @ 62	49 @ 50	57 @ 60	@ 44
" boiled.....	58 @ 65	52 @ 53	60 @ 63	125 @ 3.00
Turpentine.....	36 @ 37	@ 33	40 @ 42	180 @ 3.00
Varnish, coach.....	@	150 @ 6.00	125 @ 2.00	2 @ 2 1/2
Shellac.....	@	250 @ 3.00	225 @ 4.00	@ 1
Putty.....	2 @	2 @ 4	2 @ 2 1/2	1 1/2 @ 2
Whiting.....	75 @ 1.00	1 @ 1 1/2	1 @ 1 1/2	@ 7 1/2
Paris white, (Eng.).....	130 @ 2.00	2 @ 3	1 1/2 @ 2	4 @ 14
Litharge, Am.....	5 1/2 @ 6	6 1/2 @ 7	6 1/2 @ 7	2 @ 13
Sienna (burnt).....	14 @ 20	14 @ 20	4 @ 16	
Umber.....	14 @ 20	14 @ 20	2 @ 10	
HARDWARE.				
Nails: (Per Cask.) Spikes, (wrought.)	@ 2.85	@	235 @ 3.50	per keg @ 2.25
10d. common.....	@ 2.60	@ 2.20	@ 1.95	@ 2.30
Shingle.....	@ 3.35	@ 2.65	@ 2.35	@ 2.60
Lath.....	@ 4.85	@ 3.20	@ 3.25	300 @ 4.75
(Finishing nails according to size.)..	@	@	Add .85 to \$2.25	per lb 4 @ 6
(For casing nails add 75 c. per keg.)..	@	@	.50 to .90	Add per cask
Butts: 4" x 4".....	@ 1.00	@ 1.20	@ 90	2 90 (all kinds.)
Plain.....	@ 1.50	@ 1.75	Not Sold.	135 @ 2.00
Japaned.....	@ 1.50	@ 1.90	200 @ 3.75	135 @ 2.75
Acorn, Japaned.....	@ 65	@ 50	Not Sold.	48 @ 50
Ball Tip, Boston Finish.....	@ 1.90	plain 1 65	200 @ 3.25	@ 1.25
Bronze metal.....	@ 10	@ 10	@ 12	@ 1.00
Brass (for cupboards).....	@	@	@	@ 85
Ebony.....	@	@	@	37 @ 1.00
Apple wood.....	@	@	@	@ 08
Knobs: (P set.)				
Mineral, best.....	@ 8	@ 75	8 @ 10	Not Sold.
Lava.....	Not Sold.	17 @ 33	31 @ 40	25 @ 50
Hemacite.....	@ 30	@ 10	25 @ 30	@ 25
Porcelain.....	Not Sold.	@ 50	Not Sold.	100 @ 2.50
Glass, solid.....	Not Sold.	88 @ 1.00	@ 1.50	175 @ 2.00
Glass, silvered.....	75 @ 2.00	50 @ 3.00	50 @ 3.00	50 @ 3.50
Bronze metal.....	100 @ 2.50	50 @ 3.00	100 @ 3.00	75 @ 1.25
Solder:				
Sheet Lead.....	@	@ 7 1/2	@ 7	13 1/2 @ 16
Lead Pipe.....	@	@ 6 1/2	5 1/2 @ 6	@ 6 1/2
Iron:				
I-Beams, up to and including 30 ft.....	33-10 @ 3 1/2	@ 34-10	250 @ 2.75	@ 28-10
do. over 30 ft., 1 c. adv. for every 5 ft.	33-10 @ 3 1/2	@ 34-10	50 @ 2.75	@ 28-10
Channel Beams.....				



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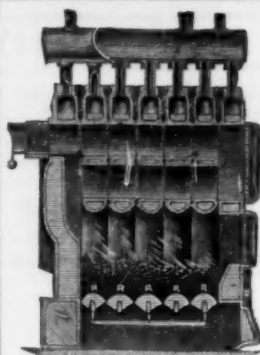
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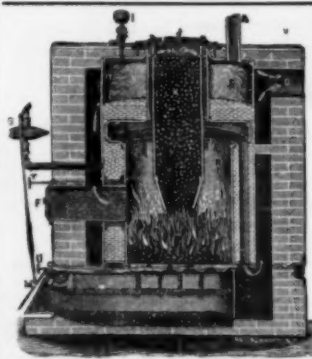
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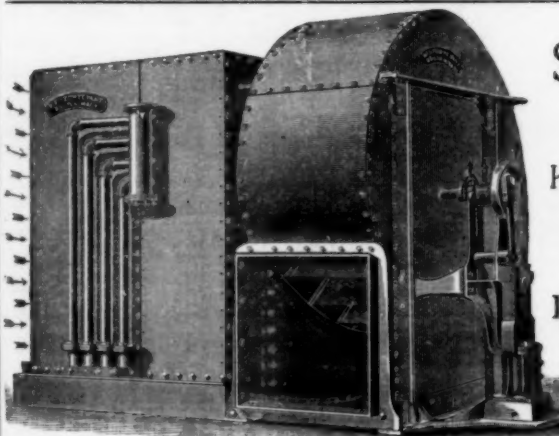
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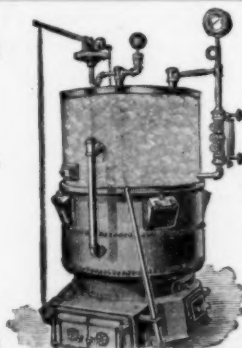
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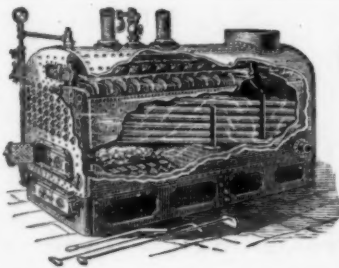
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A. Adco & Co., Fred.....XX Aeschmann & Fellner.....ii Albino Co., E. D.....ii Allen's Cement Works.....(Cov.) Alexander, Theo. & Sons.....E American Encaustic Tiling Co.....i American Lightning Protection Co.....v Anthony & Co., E. & H. T.....(Cov.) Apollo Iron & Steel Co.....(Cov.) Armstrong & Co., Maitland.....ii	F. Falt & Co., J. P.....XXiii Farquhar's Sons, John.....xi Fisher & Co., Robert C.....xi Fiske, Homes & Co.....xi Fleming Cement & Brick Co.....xi Flynn Building & Construction Co.....xi French & Co., Samuel H.....(Cov.) Frank, I. F.....xi Frost & Adams.....xi	L. Lamb, J. & B.....ii Lamb & Ritchie.....ii Lane Bros.....M Lawrence Cement Co.....(Cov.) Link-Belt Engineering Co.....E Lord & Burnham Co.....iii	R. Randolph & Clowes.....E Raritan Hollow & Porous Brick Co.....XXiii Read, J. J.....E Richardson & Boylen Co.....ii Rider Engine Co.....xi
B. Babcock & Wilcox.....Xiii Bailey Reflector Co.....v Baily & Truett.....M Baltimore Roofing Tile Co.....vi Bardley, J.....(Cov.) Batterson, Ben & Elsie.....xi Belmont Iron Works.....xi Berry Bros.....vii Bickelhaupt, G.....vii Buehler & Co., Fred F.....E Blake Bell Co.....E Bolles, J. E.....(Cov.) Bridgeport Wood Finishing Co.....E Briley, W. H.....xi Brooks, Shoobridge & Co.....(Cov.) Brooks, T. H. & Co.....xi Brownville Maine Slate Co.....xi Buffalo Forge Co.....xi Bureau Iron Works.....xi Burditt & Williams.....xi	G. Gates, W. H.....E Globe Ventilator Co.....Xiii Goldswaiter, Wm. M.....xi Gorton & Lidgerwood Co.....vi Graves Elevator Co.....xi Groves & Co., R. S.....xi Gurney Hot-Water Heater Co.....xi Gustavino Fireproof Construction Co.....Xiii	M. Mason & Co., Volney W.....J Matthews Decorative Glass Co.....xi Maurer & Son, Henry.....Xiii McDonald, Donald.....ii Merchant & Co.....E Miller & Coates.....xi Moore & Co., E. B.....E Moore & Wymann.....xi Morse, Williams & Co.....xi Mott Iron Works, J. L.....xi Mullins, W. H.....xi Murphy Varnish Co.....Xiii	S. Samson Cardage Works.....xi Scheffelin, W. H. & Co.....E Schilling, J. J.....xi Scott, J. B. & Co.....xi Selon, John.....Xiii Shannon, J. B. & Sons.....E Shaw & Johnson.....xi Sheppard & Co., Isaac A.....vi Sherwood, G. F.....xi Smith & Anthony Stove Co.....(Cov.) Smith & Egge Mfg. Co.....E Smith Co., H. B.....vi Smith, M. A.....xi S. S. S. Conductor Co.....M Spaulding & Moss.....E Standard Elevator Co.....xi Standard Mfg. Co.....xi Standard Paint Co.....(Cov.) Standard Terra-cotta Co.....xi Stephens Mfg. Co.....xi Stephens, Armstrong & Conkling.....xi Sturtevant Co., B. F.....vi
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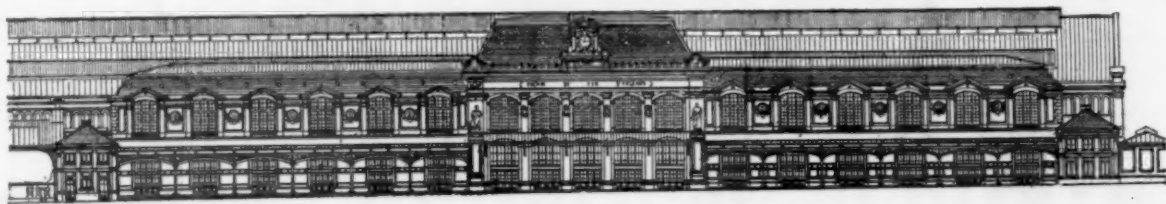
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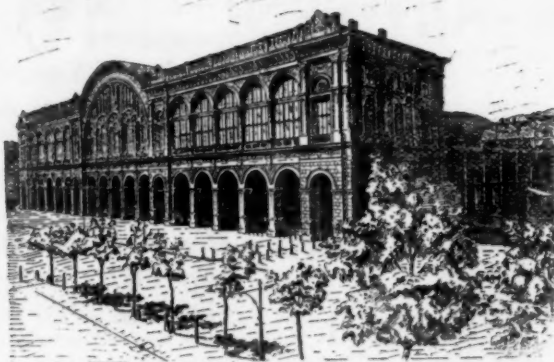
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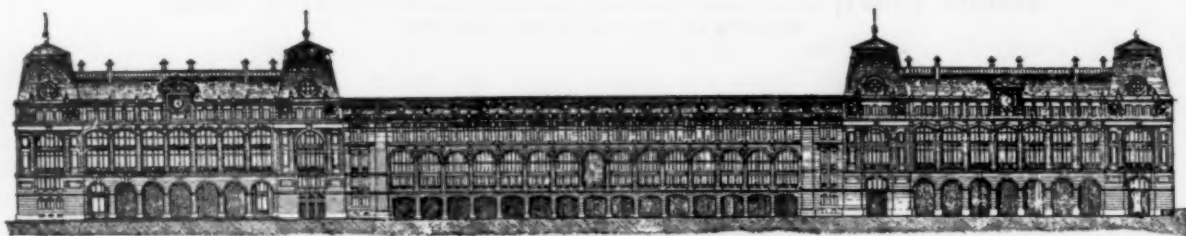
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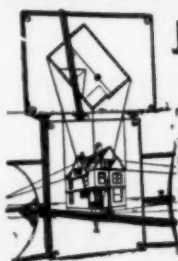
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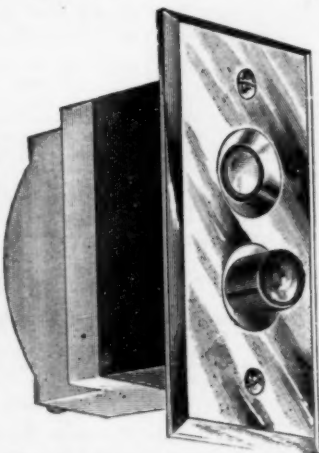
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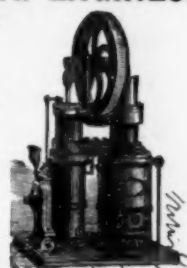


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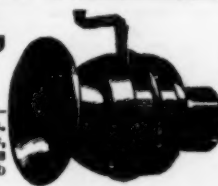
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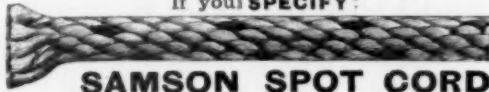
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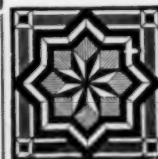
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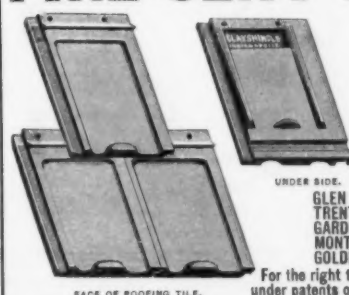
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The American Architect and Building News

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New Advertisements.

SMITH & ANTHONY CO. (Boston, Mass.), Sanitary Appliances. Page 2, Cover.
W. H. MULLINS (Salem, O.), Ornamental Sheet-metal Work. Page ii.
S. CABOT (Boston, Mass.), Creosote Stains. Page ix.
JENKINS BROS. (New York, N. Y.), Valves. Page xii.

WANTED.

DESIGNER. — Designer of interior decoration in color and of furniture required by a leading New York firm. Address, with full particulars, "M. N. O.," care American Architect. 918

WANTED.

POSITION. — Wanted, by a first-class draughtsman and superintendent of six years' experience, steady employment in an architect's office. Address "D. S.," 5841 Aberdeen Street, Chicago. 918

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POSITION. — An architectural draughtsman of practical experience and academic training wishes a position at once. Address "T.," care of American Architect. 919

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POSITION. — Wanted by a thoroughly capable and accurate practical draughtsman and constructor, with thirteen years experience in all kinds of work, and capable of taking entire charge. First-class references. Address "Architect," 1107 Washington St., Dorchester, Mass. 918

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POSITION. — An architectural draughtsman of twelve years experience, east and west, desires charge of office or salaried partnership. For further particulars, address "Engineer," care of American Architect. t.f.

TO ARCHITECTS.

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Imports of Building Materials, Etc.,

AT THE PORT OF NEW YORK FOR THE
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From Antwerp. — Steamer "Ifaerland," 1,500 barrels cement, Fleming Cement and Brick Co.; 2,000 do., order.

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Madison Avenue and 60th St. (Midway Plaisance) opposite Madison Avenue
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Architects attending the Annual Convention of the American Institute, and the World's Congress of Architects, will find this hotel very convenient, it being only 15 minutes from down town (by the Illinois Central World's Fair express train) which makes it convenient for these purposes, and is so near the Fair Grounds that any spare half hour, day or evening, can be utilized for seeing the sights there.

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Take Illinois Central World's Fair express train at Van Buren St. to 60th St., then two blocks west

We wish to draw the attention of the architects who are visiting Chicago to attend the Annual Convention of the American Institute and World's Congress of Architects, to the World's Inn, as being a convenient place at which they can stop while they are at Chicago. This is a three-story building, with all of the walls and partitions of hollow tile; and while it is not absolutely fireproof, yet the risk from fire is reduced to almost nothing. The Inn is located at Madison Avenue and 60th Street [Midway Plaisance], and is directly opposite the Madison Avenue entrance to the World's Fair grounds, and is within two blocks of the 60th Street station of the Illinois Central World's Fair Express Trains, which makes it very accessible to down town. This should be convenient to architects who are visiting Chicago for the Congresses, etc., especially those who have their families with them; as it will not only give the families a chance to visit the Fair, but will give the architects themselves a chance to put in at the Fair every spare half hour they have from the Congresses. The Inn is managed by Chas. E. Leland, of the family of hotel keepers, and the Café, to which he gives his special attention, is one of the best in the City.

See the first issue of the month for the following advertisements.

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J. B. Shannon & Sons.
M. A. Smith.
E. Thiele.
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IMPORTS OF BUILDING MATERIALS, Etc.

From Bremen. — Ship "Margarethe," 4,050 casks asphaltum, Gabriel & Schall.
From Cardenas. — Steamer "Dunmore," 89 logs mahogany, order.
From Chatham, N. B. — Schooner "Eltic," 925,000 spruce laths, H. B. Rawson & Co.
From Cheverie, N. S. — Schooner "Delta," 755 pieces piling, J. W. Parker & Co.
From Colon. — Steamer "City of Para," 59 logs mahogany, W. L. Rathbun & Co.
From Genoa. — Bark "Teresa Accame," 62 blocks marble, G. Amsinck & Co.; 998 slabs and tables do., Taber & Co.
From Harvey, N. B. — Schooner "Susie Prescott," 701,000 spruce laths, Chase, Talbot & Co.
From Laguna. — Steamer "Yumuri," 30 logs mahogany, Joseph Ware.
From London. — Steamer "America," 1,500 casks cement, C. J. Stevens; 1,500 do., order.
From Manzanilla. — Schooner "Chas. A. Gilbert," 81 logs cedar, Thos. J. Owens & Co.
From Marseilles. — Steamer "Hindoostan," 1,000 barrels cement, James Brand; 275 do., order.
From Naples. — Steamer "Hindoostan," 2 cases asphalt, Ingary & Louis.
From Panama. — Steamer "City of Para," 27 logs mahogany, D. M. Piza.

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See last or next issue for the following advertisements.

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The following advertisements are omitted in this issue in favor of the Classified Index.

Blake Bell Co.
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Huyett & Smith Mfg. Co.
J. Miller & Bro.
New Jersey Wire Cloth Co.
New York Mastic Works.
Oakley & Keating.
Passaic Rolling Mill Co.
Randolph & Clowes.
Tirril Gas-Machine Co.
J. Williams.

IMPORTS OF BUILDING MATERIALS, Etc.

From Port Greville, N. S. — Schooner "Oriole," 500 spruce piling, John C. Moore.
From San Francisco. — Steamer "City of Para," 27 pieces lumber, I. Williams & Co.
From St. Jago. — Steamer "Santiago," 190 logs mahogany, 100 do. cedar, C. F. Ferrer & Bro.; 39 logs mahogany, Willard Hawes & Co.; 40 logs round cedar, order.
From St. John, N. B. — Schooner "Sallie E. Ludlam," 116,577 feet spruce plank, 49,880 feet spruce

[Continued on page xv.]

Varnish in Architecture.

EXPERIMENTS.

Most achievements are the results of experiments. It is so with varnish. It costs money to experiment, especially with varnishes. There is no need for the architect to experiment nowadays, although, if he chooses, there are numerous new and comparatively unknown varnishes to experiment with. Experimenting with varnishes is as risky as playing with edge tools; some one is apt to get hurt, and this some one is usually the client who is not supposed to know much about varnish but takes his architect's word for it.

Take the interior finishing of a house for instance, the success or failure of which depends mainly on the varnish; can you afford to experiment? Would it not be better to permanently adopt a reliable varnish, so that when it is applied under the proper conditions you know beforehand that the result will be right?

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(Imports, etc., Continued.)

deals, 25,893 feet spruce scantling, 350,000 spruce lath, Dubois & Hill. Schooner "Susan H. Ritchie," 1,401 pieces piling, Jas. D. Leary. Schooner "Oceola," 227,024 feet spruce deal, Chas. Talbot & Co.

From Shulee, N. S. — Schooner "Ella Brown," 600 pieces piling, J. D. Leary.

From Venice. — Steamer "Scotia," 538 cases firebricks, Knauth, Nachod & Kuhne; 8 blocks marble, Fabre & Co.; 2 do., order.

From Vera Cruz. — Steamer "Yumuri," 9 logs mahogany, Isaac Brandon & Bro.

From Windsor, N. S. — Bark "Persia," 930 tons plaster, J. F. Whitney & Co. Steamer "Calabria," 811 tons plaster, J. F. Whitney & Co.

BUILDING INTELLIGENCE.

(Reported for The American Architect and Building News.)

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

ALTERATIONS.

Brooklyn, N. Y. — Broadway, s w cor. Whipple St., three-story frame store and dwell., tin roof, one-story brick extension, tin roof; cost, \$5,000; owner, Mrs. Burkarb, Bensonhurst, L. I.; architects, C. L. Johnson, Son & Co., 322 Rodney St.

Elizabeth, N. J. — Broad St., alterations and additions to the Marsh Building; architect, David B. Provost, 210 Broad St.

Morton, Pa. — Addition to the Kedron Methodist Church.

New York, N. Y. — Fifth Ave., No. 881, four-story brick dwell., extension and internal alterations; cost, \$36,000; owner, Heber R. Bishop, 881 Fifth Ave.; architect, Richard M. Hunt, Twenty-third St. and Madison Ave.

West Fifty-sixth St., No. 25, four-story brick dwell., extension and other changes; cost, \$30,000; owner, Harriet M. Bordon, 26 West Fifty-sixth St.; architects, Carrere & Hastings, 44-46 Broadway.

Third Ave., n w cor. Thirteenth St., three-story brick dwell., extension and interior changes; cost, \$8,000; owner, Wm. Shade & Co., Thirteenth St. and Third Ave.; architect, Geo. H. Griebel, 247 West One Hundred and Twenty-fifth St.

East Thirty-first St., No. 31, three-story brick dwell., extension and changes; cost, \$10,000; owner, Thomas Williams, Twenty-fifth St. and Eleventh Ave.; architect, Geo. P. Chappell, 24 State St.

Madison Ave., No. 780, four-story brick dwell., extension and interior changes; cost, \$10,000; owner, Chauncey Truax, 2023 Fifth Ave.; architect, M. M. O'Brien, Grand Central Depot.

Broadway, s e cor. Forty-second St., five-story brick hotel, internal alterations; cost, \$8,000; owner, John Jacob Astor, 23 West Twenty-sixth St.; architect, John Downey, 410 West Thirty-fourth St.

One Hundred and Sixteenth St., n w cor. Lexington Ave., four-story brick bachelors' hotel, extension; cost, \$10,000; owner, Theresa Hughes, 327 East One Hundred and Twenty-fifth St.; architect, John P. Walther, 205 East One Hundred and Twenty-fifth St.

Eighth Ave., n w cor. Thirty-first St., four-story brick hotel, internal alterations; cost, \$10,000; owner, A. N. Cohen, 168 East Sixty-fourth St.; architect, F. N. T. Camp, 114-116 Nassau St.

One Hundred and Twenty-ninth St., n s 78th w Amsterdam Ave., four-story brick school, extension and internal alterations; cost, \$100,000; owners, Mayor, Aldermen, Commonalty, City of New York; architect, C. B. J. Snyder, 146 Grand St.

Fifth Ave., No. 816, five-story brick club-house, extension and interior changes; cost, \$30,000; owner, Benjamin Stein, 23 West Fifty-second St.; architect, R. H. Robertson, 100 Fifth Ave.

Boulevard, bet. One Hundred and Thirty-eighth and One Hundred and Thirty-ninth Sts. and Hamilton Pl., three-story brick hospital, extension; cost, \$80,000; owner, Montefiore Home for Invalids, One Hundred and Thirty-eighth St. and Boulevard; architects, Buchman & Deisler, 11 East Fifty-ninth St.

Eighty-second St., Nos. 213-215, three-story brick club-house, extension; cost, \$5,000; owner, Central Turn Verein, 226 East Seventy-second St.; architect, Max Guttmann, 737 Broadway.

Norristown, Pa. — Alterations and additions to the West End Hotel; owner, Leysen Thomas, Jr. Main and Green Sts., alterations to the Central Hotel; owners, Tyson & Shelly.

Norwood, Mass. — Alterations and enlargement of the village hall; contract to be let; architects, Hartwell & Richardson, Boston.

Philadelphia, Pa. — Delancy Pl. and Nineteenth St., alterations to dwell.; owners, Wm. McPherson & Sons, 325-327 Cherry St.

North Eleventh St., No. 603, brick and stone addition; owner, George K. McIlvaine; builder, A. Raymond Ruff.

Walnut St., No. 1330, alterations to dwell.; owner, Robert J. C. Walker; architect, Willis G. Hale, 1524 Chestnut St.

Girard Ave., n s w Sixty-third St., one-story brick addition to church; builder, J. R. Wiggins, 1536 Seybert St.

New Passyunk Ave., Point Breeze, one-story brick addition; owners, Atlantic Refining Co., Chestnut and Fourth Sts.

Reading, Pa. — Addition to the Carpenter Steel Works.

APARTMENT-HOUSES.

Chicago, Ill. — William Timmerick, two-story flats, 708 Henry St.; cost, \$3,600.

M. Minch, two-story flats, 2940 Poplar Ave.; cost, \$4,500.

Mueller & Scholer, 6 three-story flats, 19-29 Clifton Ave. and Centre St.; cost, \$27,000.

Mike Eule, two-story flats, 1112 West Superior St.; cost, \$3,700.

Louis Newman, three-story flats, 324 West Twenty-sixth St.; cost, \$5,000.

W. D. Coon, 2 two-story flats, 964-966 Warren Ave.; cost, \$5,000.

Mich. Jannasewski, three-story flats, 1006 North Robey St.; cost, \$6,100.

M. Powell, two-story flats, 617 Maplewood Ave.; cost, \$4,500.

(Apartment-Houses Continued.)

J. Bruggs, two-story flats, 938 St. Louis Ave.; cost, \$5,000.

Michael Kenny, two-story flats, 4834 Union Ave.; cost, \$3,000.

John Shychalski, three-story flats, 642 West Seventeenth St.; cost, \$4,500.

A. Lechocinski, two-story flats, 661 Holt St.; cost, \$4,000.

S. C. D'Feyer, two-story flats, 6711 Union Ave.; cost, \$4,000.

W. J. Scoun, two-story flats, 1524 Harvard St.; cost, \$3,500.

Philip Cramas, three-story flats, 792 Southport Ave.; cost, \$5,000.

Stroy & Webber, 2 two-story flats, 28-32 Sheridan Ave.; cost, \$12,000.

D. Codd, 2 two-story flats, 581-583 Washtenaw Ave.; cost, \$8,000.

L. C. Wagner, two-story flats, 6355 Maryland Ave.; cost, \$5,000.

Mollie McAllister, 2 three-story flats, 7040-7042 Eggleston Ave.; cost, \$16,000.

Joseph Burmister, two-story flats, 535 South Oakley Ave.; cost, \$5,500.

William Koddatz, two-story flats, 1298 Western Ave.; cost, \$3,000.

Charles Frieke, three-story flats, 588 North Leavitt St.; cost, \$5,000.

L. Murphy, three-story flats, 399 West Erie St.; cost, \$3,500.

J. R. Johnson, two-story flats, 937 Hangan St.; cost, \$3,000.

New York, N. Y. — One Hundred and Thirty-sixth St., s e cor. St. Ann's Ave., four-story brick flat, tin roof; cost, \$17,000; owner, Fritz Selge, One Hundred and Forty-ninth St. and Courtland Ave.; architect, Adolph Pfeiffer, 2068 Third Ave.

Seventh Ave., Nos. 214-216, 2 five-story brick flats, tin roofs; cost, \$50,000; owners, Lawson & Quackenbush, 45 West One Hundred and Forty-fourth St.; architect, M. V. B. Ferdon, 265 West Thirty-fourth St.

St. Ann's Ave., e s 25th One Hundred and Thirty-first St., 3 four-story brick flats, tin roofs; cost, \$36,000; owner, Fritz Selge, One Hundred and Forty-ninth St. and Courtland Ave.; architect, Adolph Pfeiffer, 2068 Third Ave.

Amsterdam Ave., n w cor. One Hundred and Fortieth St., 2 five-story brick flats, tin roofs; cost, \$63,000; owner, Peter J. Alger, 19 West One Hundred and Thirty-fifth St.; architect, Andrew Spence, 163 East One Hundred and Twenty-fifth St.

One Hundred and Thirtieth St., n s 218th w Pleasant Ave., 2 five-story brick flats, tin roofs; cost, \$38,000; owner, Antonio G. Pucci, 408 East One Hundred and Fourteenth St.; architect, Carl A. Muller, 638 East One Hundred and Thirty-fifth St.

One Hundred and Twenty-first St., n s 250th w Seventh Ave., 8 five-story brick flats, tin roofs; cost, \$200,000; owner, Wm. H. Donnington, Elizabeth, N. J.; architect, G. F. Pelham, 1481 Broadway.

Rivington St., Nos. 78-84, six-story brick flat, tin roof; cost, \$35,000; owner, S. Jarmulowsky, 102 East Sixtieth St.; architect, M. Jarmulowsky, 54 Canal St.

One Hundred and Sixth St., s s 150th e Ninth Ave., 3 five-story brick flats, tin roofs; cost, \$70,000; owner, Felix Krupp, 312 West One Hundred and Seventeenth St.; architect, Franklin Baylies, 51-52 Bible House.

Charles St., No. 119, five-story brick flat, tin roof; cost, \$50,000; owner, Estate of S. R. Jacobs, 30 West Thirty-eighth St.; architects, Thom & Wilson, 1287 Broadway.

Pike St., s e cor. Monroe St., six-story brick flat, tin roof; cost, \$35,000; owner, Jacob Weinstein, 171 Madison St.; architects, Schneider & Herter, 48 Bible House.

Courtland Ave., 91st w Third Ave., five-story brick flat, tin roof; cost, \$20,000; owner, August M. Bruggmann, 69 Washington St.; architect, H. Kreiter, 62 Broad St.

Leroy St., No. 15, five-story brick flat, tin roof; cost, \$25,000; owner, Jacob Klingenstein, 45 Avenue A.; architect, G. F. Pelham, 481 Broadway.

Philadelphia, Pa. — Broad and Fairmount Aves., ten-story brick and terra-cotta apartment-house; architect, Willis G. Hale, 1524 Chestnut St.

CHURCHES.

Angora, Pa. — Brick chapel and industrial school for the Baptist Orphanage; architect, David S. Gendell, Philadelphia.

Chicago, Ill. — Seventh Presbyterian Church, church, Eighty-sixth Pl. and Sangamon St.; cost, \$3,000.

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

Curwensville, Pa. — Church for the M. E. Church; cost, about \$20,000; builder, Reuben Thompson, Clearfield.

Media, Pa. — Olive St., church for the Marple U. A. M. E. Church.

New York, N. Y. — West Eighty-fourth St., Nos. 26-28, brick church, tin roof; cost, \$37,000; owner, St. Mathew's Church, 154 West Eighty-third St.; architect, Wm. Halsey Wood, 764 Bond St.

Oxford, Pa. — Church for the United Presbyterian Church; builder, Milton Walker.

Philadelphia, Pa. — Thirty-fourth St., off Rockland St., stone church; builder, H. E. Cooper, 117 Claymont St.

Chester Ave. and Forty-sixth St., stone church for the Baptist congregation; architect, Chas. W. Bolton, 1510 Chestnut St.

Quakertown, Pa. — Church for the congregation of the Reformed Church; builder, Milton H. Biehn.

Scranton, Pa. — Church for the Plymouth Congregational Church; builder, William R. Williams.

Shamokin, Pa. — Two-story brick and stone church for St. John's Reformed Church; architect, Chas. W. Bolton, 1510 Chestnut St.

Somers Point, N. J. — Main Ave., church for the Methodist Protestant Society; pastor, Rev. Osterberry.

Swedesboro, N. J. — Church; builder, John Swible, Mullica Hill, N. J.

FACTORIES.

Brooklyn, N. Y. — Irving St., s s 209th e Van Brunt St., three-story brick factory, felt and gravel roof; cost, \$10,000; owners, V. Sowarese & Bro., 11 Union St.; architect, John L. Young, 1239 Bedford Ave.

Jeannette, Pa. — Factory for the Jeannette Bottle Works.

New York, N. Y. — First Ave., Nos. 674-676, two-story brick factory, gravel roof; cost, \$3,000; owner, Ed.

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BUILDING INTELLIGENCE.

(Factories Continued.)

ward J. McCluskey, 676 First Ave.; architects, Jordan & Giller, 19 Park Pl.

Houston St., No. 127, six-sty brick factory, metal roof; cost, \$28,000; owner, Owen B. McManus, 244 Adams St., Brooklyn; architect, John B. Snook, 112 Chamber St.

Philadelphia, Pa.—Trenton Ave., e s, s Adams St., brick and stone factory; builder, John J. Husband, 135 East Lehigh Ave.

Cherry St., s w cor. Fifth St., six-sty brick factory; builder, John H. Wiggins, 1536 Seybert St.

HOUSES.

Baltimore, Md.—Edward S. Hampson, 3 three-sty brick buildings, n s North Ave., bet. Madison Ave. and McCulloch St.

Jas. Worthington, 10 two-sty brick buildings, w s Buchanan St., bet. Camp St. and Huntington Ave. Isaac Ellinger, three-sty brick dwell. and store, n s Fayette St., bet. Charles and St. Paul Sts.

S. D. Hutt, three-sty brick building, n e cor. Caroline and Townsend Sts.; and 7 three-sty brick buildings, e s Caroline St., beg. n e cor. Lanvale St.

J. F. Ridinger, 6 two-sty brick buildings, n s Baker St., bet. Fulton Ave. and Mount St.; and 2 two-sty brick buildings, e s Fulton Ave., n Baker St.

George E. Warfield, 5 three-sty brick buildings, w s Madison Ave., n North Ave.; 8 three-sty brick buildings, w s Alquist St., beg. s w cor. Oliver St.

Jas. P. Morgan, 10 two-sty brick buildings, w s Hanover St., bet. Ostend and West Sts.

Geo. Shuman, three-sty and two-sty brick buildings, n e cor. Fort Ave. and Allen St. and adjoining.

W. C. Demuth, 12 two-sty brick buildings, e s Wooster St., bet. Cleveland and Carroll Sts.

Wm. Keyser, three-sty brick building, e s Calvert St., bet. Chase and Biddle Sts.

Jno. T. Hagan, 5 two-sty brick buildings, w s Burke St.; and 7 two-sty brick buildings, n s Huron St., bet. Monument and Madison Sts.

Boston, Mass.—Newbury St., Nos. 548-556, Ward 22, 5 three-sty brick dwells., flat roofs, 20' x 40'; owner and builder, Edward Finnerty.

Egleston St., near Boylston St., Ward 23, frame dwell., 23' x 45'; owner, W. H. Keller.

Sagamore St., near Belfort St., Ward 24, frame dwell., 27' x 46.6'; owner, Wm. Duff; builder, W. T. Eaton.

Sydney St., near Harbor View St., Ward 24, three-sty frame dwell., flat roof, 23' x 63'; owner, Hugh Hill; builder, W. P. Jenkins.

Humboldt Ave., near Monroe St., Ward 21, three-sty frame dwell., flat roof, 23' x 63'; owner, Hannah Draper; builders, Smalley & Sweeney.

Crestwood Terrace, No. 2, Ward 21, frame dwell., 32.6' x 34'; owner, R. C. Whittit; builders, Coffin & Judson.

Alder St., near Mt. Vernon St., Ward 23, frame dwell., 22' x 31'; owner and builder, James P. Rogers.

Breed St., near Gladstone Ave., Ward 1, two-sty frame dwell., flat roof, 22' x 28'; owner, Thomas Brackets; builder, F. De Marilhe.

BUILDING INTELLIGENCE.

(Houses Continued.)

London St., Nos. 150-152, Ward 2, 2 three-sty frame dwells., flat roofs, 20' x 47'; owner and builder, Frank Finn.

West Third St., No. 32, Ward 14, frame dwell., 20' x 26'; owner, E. Dalquist; builder, J. F. Ferguson.

Denver St., near Edwin St., Ward 24, frame dwell., 25' x 49'; owner and builder, Robert Graham.

I St., Nos. 37-39, Ward 14, 2 three-sty frame dwells., flat roofs, 22' x 34'; owner, Ernest Hornel; builder, W. T. Eaton.

Bullard St., near Custer St., Ward 23, three-sty frame dwell., hip roof, 20' x 44'; owner, Edward Dolan; builder, J. F. Sullivan.

Forbes St., near Centre St., Ward 23, 2 three-sty frame dwells., flat roofs, 23' x 50'; owners, A. Noel and L. H. Girard; builder, J. C. Allbright.

Hayden St., near Heath St., Ward 22, three-sty frame dwell., flat roof, 24' x 39.6'; owner, F. Matthes; builder, W. Sittig.

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

Geneva Ave., near Josephine St., Ward 24, two-sty frame dwell., hip roof, 24' x 34'; owner, Johanna McNabb; builder, H. J. McNabb.

Condor St., near Meridian St., Ward 1, three-sty frame dwell., flat roof, 28' x 54.2'; owner, B. F. Nay; builders, A. Vickery & Son.

Ashmont St., No. 13, Ward 24, frame dwell., 25' x 40'; owner and builder, A. P. Rich.

Heath St., Nos. 255-257, Ward 22, 2 three-sty frame dwells., flat roofs, 22.9' x 53'; owner, Wm. Jacobs; builder, S. Rantin.

Elmont St., near Harvard St., Ward 24, frame dwell., 22.6' x 40'; owner, Livonia Goodwin; builders, A. Vickery & Son.

Buttonwood St., near Crescent Ave., Ward 24, three-sty frame dwell., flat roof, 30' x 35.3'; owner, E. E. Power; builder, J. P. Power.

Washington St., near Cobden St., Ward 21, 2 three-sty frame dwells., pitch roofs, 24' x 53'; owner, John Shilliday.

Bennington St., No. 214, Ward 14, three-sty frame dwell., flat roof, 22' x 50'; owner, Mary A. Burns; builder, C. Burns.

Centre St., near Hathaway St., Ward 23, frame dwell., 27' x 50'; owner, M. G. Esterbrook.

Forest Hills, near Weld Hill, Ward 23, frame dwell., 31' x 41'; owner, Miss Annie Bowles; builders, Welch & Saunders.

Bayard St., cor. Weitz St., Ward 25, frame dwell., 22.6' x 36.6'; owner, W. McKay; builders, Alcock & McKay.

Sachem St., near Hillside St., Ward 22, three-sty frame dwell., pitch roof, 23' x 53'; owner, M. T. J. Keenan; builder, L. V. Berry.

Roxbury St., No. 247, Ward 19, three-sty frame dwell., flat roof, 29.3' x 31'; owner and builder, W. A. Gillespie.

Mt. Vernon St., No. 7, Ward 24, three-sty frame dwell., flat roof, 25' x 50'; owner, J. W. Dunn; builder, W. Eadie.

Adams Pl., No. 20, Ward 19, three-sty frame dwell., flat roof, 26.10' x 51'; owner, Mrs. C. Hayes.

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Twenty-Second Street and Washington Ave PHILADELPHIA, PA.

BUILDING INTELLIGENCE.

(Houses Continued.)

Brooklyn, N. Y.—Throop Ave., e s, 20' n Madison St., and Madison St., n s, 85' e Throop Ave., 6 two-sty brick dwells., gravel roofs; cost, \$4,500 each; owner, Mary E. Fowler, 181A Halsey St.; architect, F. W. Fowler, 637 Prospect Pl.; builder, Levi Fowler, 181A Halsey St.

Fifty-second St., n s, 160' w Fourth Ave., 5 two-sty brick dwells., tin roofs; cost, \$4,000 each; owner, architect and builder, Thos. Bennett, 199 Fifty-seventh St.

Linden St., w s, 100' n Myrtle Ave., 3 four-sty brick dwells., tin roofs; cost, \$45,000; owner, Paul Koch.

Adams Ave., s s, 100' e Lincoln Ave., two-sty frame dwell., tin roof; cost, \$3,500; owner, Thos. Conerad, 1161 Broadway; architect, Frank Holmberg, 1167 Broadway.

Freeman St., No. 153, three-sty frame dwell., gravel roof; cost, \$4,500; owner, H. Schuelte, 153 Freeman St.; architect, J. B. Crane, Leonard St.

Maujer St., e s, 50' w Lorimer St., four-sty frame dwell., tin roof; cost, \$5,000; owner, Peter Gries, 44 Maujer St.; architect, H. Vollweiler, 483 Hart St.

Cedar St., n s, 150' e Evergreen Ave., three-sty frame dwell., tin roof; cost, \$5,000; owner, S. C. Clark, 491 Hart St.; architect, E. Dennis, 115 Hiram St.; builder, Wm. Maske, 16 Palmetto St.

Hemlock St., e s, 242' s Fulton Ave., 2 two-sty frame dwells., tin roofs; cost, \$3,400 each; owners, Mulligan Bros., Hemlock St., near Fulton St.

Prospect Ave., n s, 284' w Third Ave., three-sty frame dwell., tin roof; cost, \$3,000; owner, Mrs. Squires, 221 Ninth St.; architect, H. L. Spicer, Third Ave. and Fifty-third St.

Hull St., n s, 125' e Stone Ave., 4 three-sty frame dwells., felt and gravel roofs; cost, \$20,000; owner, Geo. H. Horn, 228 McDonough St.; architect, John L. Young, 1239 Bedford Ave.

Bergey St., n s, 252' n Ralph Ave., 3 two-sty frame dwells., tin roofs; cost, \$3,000 each; owner, H. C. Doyle, 884 Greene Ave.

Chicago, Ill.—W. D. Kerfoot & Co., four cottages, 116-120 Rice St.; cost, \$4,000.

Frank Schell, three-sty dwell., 546 Indiana Ave.; cost, \$4,500.

Mrs. Ling, two-sty dwell., 325 Geddings St.; cost, \$5,000.

P. A. Linblad, two-sty dwell., 453 Grey St.; cost, \$6,000.

John Hufmeyer, two-sty dwell., 167 Jensen St.; cost, \$3,000.

M. E. Gibbons, three-sty dwell., 565-567 Albany Ave.; cost, \$12,000.

C. Mick, two-sty dwell., 939 Canalport Ave.; cost, \$6,000.

J. Cavanaugh, two-sty dwell., 1079 Newport Ave.; cost, \$10,000.

Detroit, Mich.—Geo. Elsworth, three-sty brick dwell., 28 Sprout St.; cost, \$5,500; also two brick dwells., 121 and 128 Dubois St.; cost, \$12,000; also two-sty brick dwell., 558 Congress St.; cost, \$5,000.

Adam Clark, two-sty brick dwell., 118 Selden Ave.; cost, \$5,400.

John H. Ley, eight frame dwells., 364-390 Sullivan Ave.; cost, \$14,000.

M. A. Edwards, two-sty brick dwell., 23 Erskine St.; cost, \$7,000.

Neith & Clark, three-sty brick dwell., 56 Piquette Ave.; cost, \$7,000; also three-sty stone dwell., 57 Palmer Ave.; cost, \$17,000.

J. L. Gearing & Son, three-sty brick dwell., 232 Campan Ave.; cost, \$7,000.

T. W. Henson, double frame dwell., 1 Fourteenth Ave.; cost, \$5,400.

W. W. Wilkinson, frame dwell., 265 Hubbard Ave.; cost, \$3,200.

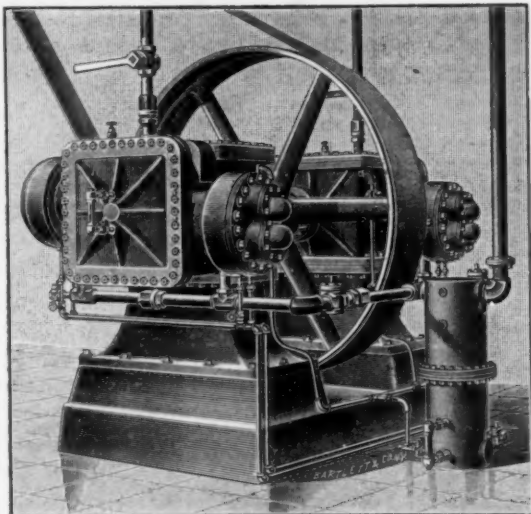
James Munroe, frame dwell., 245 Avery Ave.; cost, \$3,100.

W. Guton, two-sty double frame dwell., 750-752 Trumbull Ave.; cost, \$5,300.

Jas. N. Dewitt, two frame dwells., 233 and 237 Hancock Ave., west; cost, \$7,000.

R. Nelson, double frame dwell., Third Ave.; cost, \$4,000.

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BUILDING INTELLIGENCE.

(Houses Continued.)

R. R. Johnson, three frame dwells., 757-761 Twenty-sixth St.; cost, \$4,500.
George Harden, frame dwell., 194 Lincoln Ave.; cost, \$3,200.
N. Flattery, double brick dwell., Jefferson Ave.; cost, \$18,000.
J. P. Schmidt, double frame dwell., 167-169 Sixteenth St.; cost, \$3,400.
Deltrich Bros., 2 two-st'y brick dwells., 150-154 Hancock Ave., west; cost, \$15,000.
J. Collins, frame dwell., 400 Cadillac Boulevard; cost, \$3,200.
Henry Garow & Co., brick dwell., Jefferson Ave.; cost, \$15,000.
W. Allen, double brick dwell., 688-690 Trumbull Ave.; cost, \$8,000.
H. W. Ripper, three frame dwells., 398, 419 and 439 Campbell Ave.; cost, \$4,500.
Frankford, Pa.—Two-and-one-half-st'y brick and stone rectory for St. Mark's Church; architect, Frank R. Watson, 518 Walnut St.
Two stone and brick dwells.; owners, Sidebotham & Horrocks.
Milton, Mass.—*Readville Station*, frame dwell., 34.8' x 43.4'; with L 26' x 28.1'; owner, John T. Linzee; builder, William Tobin; also frame stable; architects, Longfellow, Alden & Harlow, Boston.
New York, N. Y.—*Sixty-eighth St.*, n s, 59' e Columbus Ave., 5 four-st'y brick dwells., tin roof; cost, \$75,000; owner and architect, Edw. Kilpatrick, 660 West End Ave.
Jane St., No. 25, two-st'y brick dwell., tin roof; cost, \$5,000; owner, Pierre Guerin, 316 West Fourteenth St.; architects, Horenburger & Straub, 122 Bowery St.
Seventy-ninth St., n s, 105' e Amsterdam Ave., 6 four-st'y brick dwell., tin roof; cost, \$102,000; owner, George A. Denig, 153 West Seventy-ninth St.; architect, Clarence True, 102 West Eighty-first St.
Eighty-sixth St., n s, 304' w West End Ave., 5 five-st'y brick dwells., tin roof; cost, \$125,000; owner, City Real Estate Co., 146 Broadway; architect, Chas. P. H. Gilbert, 18 Broadway.
Seventy-sixth St., e One Hundred and Seventy-sixth St., three-st'y brick dwell., tin roof; cost, \$9,000; owner, Ruth A. Brown, 12 East Twenty-fourth St.; architects, J. Boeckell & Son, 54 Bond St.
Seventy-fifth St., n e cor. Riverside Drive, 4 five-st'y brick dwells., peak and tile, copper and tin roofs; cost, \$180,000; owners, Wooley & Brinckhoff, 75 East Seventy-ninth St.; architect, James E. Ware, Fifth Ave.
West End Ave., No. 406, four-st'y brick dwell., tin roof; cost, \$20,000; owner, Richard Goodman Platt, 90 Lexington Ave.; architects, Thom & Wilson, 1267 Broadway.
One Hundred and Forty-ninth St., n s, 250' e Grand Boulevard, 3 three-st'y brick dwells., tin roofs; cost, \$30,000; owners, Shaw & McCarty, 141 West Ninety-eighth St.; architect, James W. Cole, 403 West Fifty-first St.
Eighty-ninth St., s s, 20' e Riverside Drive, 5 four-st'y brick dwells., tin roofs; cost, \$105,000; owners, Wilcox & Hoyt, 1300 Broadway and 326 West Eighty-eighth St.; architect, Ralph S. Townsend, 1300 Broadway.

BUILDING INTELLIGENCE.

(Houses Continued.)

Seventy-fourth St., n s, 225' w West End Ave., five-st'y brick dwell., tin roof; cost, \$45,000; owner, J. B. Edson, 812 Union St., Brooklyn; architect, Chas. P. H. Gilbert, 18 Broadway.
One Hundred and Thirty-sixth St., s s, 350' e Seventh Ave., 3 three-st'y brick dwells., tin roofs; cost, \$90,000; owner, Mary A. Kelly, 309 West One Hundred and Forty-third St.; architect, G. A. Schellinger, 128 Broadway.
Seventy-second St., s w cor. Madison Ave., five-st'y brick dwell., tin roof; cost, \$70,000; owner, Mrs. G. Brice Brown, Westchester, N. Y.; architects, McKim, Meade & White, 1 West Twentieth St.
River Ave., n w cor. Riverdale Ave., two-st'y brick and frame dwell., peak shingle roof; cost, \$4,800; owner, G. P. Morosoni, 71 Broadway; architects, Jardine, Kent & Jardine, 1262 Broadway.
Gray St., n e cor. Crane Pl., two-st'y brick and frame dwell., tin roof; cost, \$4,000; owner, Benjamin C. Bent, n w cor. Gray St. and Crane Pl.
One Hundred and Fifty-eighth St., s s, 208' w Courtland Ave., three-st'y brick and frame dwell., tin roof; cost, \$5,000; owner, Mathilda Ohland, 200 East One Hundred and Seventh St.; architect, Gustav Schwarz, 554 East One Hundred and Fifty-eighth St.
One Hundred and Fifty-fifth St., s s, 450' w Courtland Ave., 3 three-st'y stone and frame dwells., tin roofs; cost, \$12,500; owner, August Stabe, Fort Lee, N. Y.; architect, Adolph Pfeiffer, 3068 Third Ave.
Edgcomb Ave., w s, 306' e One Hundred and Fifty-third St., three-st'y brick dwell., tin roof; cost, \$12,000; owner, Peter Somers, 153 East Eighty-second St.; architects, Neville & Bagge, 217 West One Hundred and Twenty-fifth St.
Popham St., s s, 108' w Anthony Ave., 3 three-st'y brick and frame dwells., peak shingle roofs; cost, \$10,500; owner, Conrad Faid, 973 Park Ave.
Seventy-sixth St., n s, 205' w Central Park West, four-st'y brick dwell., tin roof; cost, \$18,000; owner and architect, Henry F. Cook, 264 Columbus Ave.
One Hundred and Eighty-fifth St., n s, 95' w Wadsworth Ave., three-st'y brick and frame dwell., tin roof; cost, \$5,000; owner, Robert H. Parker, 142 West One Hundred and Twenty-fourth St.; architect, F. B. Cole, Kingsbridge.
Sixth Ave., n w cor. Thirty-eighth St., 6 two-st'y brick dwells., tin roofs; cost, \$46,500; owner, William F. Kohrig, 13 Oak St.; architect, John Hauser, 1441 Third Ave.
Tinton Ave., e s, 150' w One Hundred and Sixty-first St., 2 three-st'y brick and frame dwells., tin roofs; cost, \$7,000; owner, Christian Buchta, 29 Third Ave.; architect, Chris. F. Lohse, 3014 Third Ave.
West End Ave., s e cor. Ninety-second St., 6 four-st'y brick dwells., tin roofs; cost, \$95,000; owner, Theodore A. Squire, 314 West One Hundred and Fourth St.; architect, Clarence True, 102 West Eighty-first St.
Philadelphia, Pa.—*Chestnut St.*, s s, w Fortieth St., three-st'y brick and stone dwells.; builders, B. Ketchum & Sons.
Mehl St., s s, e Columbia Ave., 22 two-st'y brick dwells.; owners, Wright & Frenzdel.
Haverford St., s s, w Sixty-fifth St., three-st'y

BUILDING INTELLIGENCE.

(Houses Continued.)

brick dwell.; builder, W. A. Patterson, 5124 Vine St.
Haverford St., n s, e Fifty-fifth St., 12 two-st'y brick dwells.; owner, John E. Sickels, 5118 Haverford St.
Lancaster Ave., n s, e City Line, 2 three-st'y brick dwell.; builders, Wendell & Smith, Overbrook.
Chester Ave. and Fifty-seventh St., three-st'y brick dwell.; builder, Louis Havens, 518 Girard Building.
Franklin St., e s, n Cambria St., 7 two-st'y brick dwells.; owners, Woelfel & Schumaker.
Penn St., n s, w Hancock St., three-st'y brick dwell.; builder, R. M. Peterson, 171 Brighthurst St.
Rorer St., e s, Hartwell St., three-st'y brick dwell.; builder, John Owens, 73 Sharpnack St.
Osborne St., s s, e Ridge Ave., 12 brick dwells.; builder, Howard R. Yocum, 410 Lyceum Ave.
Baker St., s s, w Broad St., 10 two-st'y brick dwells.; builder, Benj. Walker, 3953 Germantown Ave.
Rush St., n s, e Carlisle St., 5 two-st'y brick dwells.; owner, J. Clark Miller, 1525 Clearfield St.
Twenty-second St., e s, n Cambria St., 3 two-st'y brick dwells.; builder, Isaac Seales, 2519 North Twenty-third St.
Rochelle St., n w s, n e Freeland Ave., three-st'y brick dwell.; owner, Robert Boon, 4103 Manayunk Ave.
Byberry Ave., s Somerton Pike, 2 two-st'y brick dwells.; builder, Henry Stevens, Somerton.
Welsh Road, s s, w Bustleton Pike, 2 three-st'y brick dwells.; builder, W. S. Gayde, Cheltenham St.
Master St., s s, w Fourth St., 3 three-st'y brick dwells.; builder, Elias Gramlich, 1619 North Sixth St.
Green St., No. 6, three-st'y brick dwell.; builder, John C. Snyder, s w cor. North Market St. and Fairmount Ave.
Walnut St., s s, e Thirty-sixth St., 2 three-st'y brick dwells.; owner, George Beishlag, 4911 Aspen St.
Belgrade St., No. 2070, two-st'y brick dwell.; owners, John Gordon & Bro., 2806 Richmond St.
Brown St., No. 332, three-st'y brick dwell.; builder, John G. Highland, 334 Brown St.
Thirty-first St., e s, s Montgomery Ave., 6 three-st'y brick dwells.; owner, Harry S. Warfield.
Fourth St., e s, n Snyder Ave., three-st'y brick dwell.; builder, C. P. Nesbit, 425 Locust St.
Pine St., s s, w Twenty-first St., four-st'y brick dwell.; builder, John R. Wiggins, 1536 Seybert St.
Dickinson St., s s, e Second St., 2 three-st'y brick dwells.; owner, John W. Crean, 1547 South Front St.
Regent St., s s, e Forty-ninth St., 14 three-st'y brick dwells.; owner, J. H. Virkler, 1008 Belmont Ave.
Twenty-eighth St., e s, n Girard Ave., 5 three-st'y brick dwells.; owner, C. D. Hill, 1911 North Twenty-seventh St.
Spruce St., s s, w Thirty-ninth St., 6 three-st'y brick dwells.; owner, Benj. D. Gardner, Manheim St., e Norris St.
Forty-first St., e s, s Westminster Ave., 7 three-st'y brick dwells.; owner, Lewis K. Brooks, 802 North Forty-first St.

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BUILDING INTELLIGENCE.

(Houses Continued.)

Woodland St., e s, and s Fifty-fifth St., 2 two-sty brick dwells.; owner, H. W. Urian, 5505 Woodland Ave.
Gibson's Ave., e s, s Woodland Ave., two-sty brick dwell.; owner, H. W. Urian, 5505 Woodland Ave.
Jefferson St., e s, s Peach St., 2 two-sty brick dwells.; owner, Wm. Ferguson, Bolton St. and Manayunk Ave.
Allegheny Ave., No. 2022, three-sty brick and stone dwell.; owner, H. Dannenbaum; architects, Collins & Autenreith, 410 Walnut St.
Ann St., s e cor. Thompson St., 16 three-sty brick dwells.; builder, Philip Haibach, s e cor. Twenty-sixth and Thompson Sts.
Tacony St., s s, w Tucker St., two-sty brick dwell.; builder, James S. Swopes, 4911 Franklin St.
Dyer St., s s, e Cedar St., two-sty brick dwell.; builders, Osborne Bros., 5919 Willow St., Frankford.
Fairhill St., e s, s Lambert St., 6 two-sty brick dwells.; owner, Ludwig Landbrecht, 3256 North Fifth St.
Passyunk Ave., s s, above Twenty-fifth St., two-sty brick dwell.; owner, Jonathan Richard, Twenty-fourth St. and Passyunk Ave.
Fuller St., n s, e Frankford Ave., two-sty brick dwell.; builder, Chas. W. Fetter, Holmesburg.
Twenty-second and one-half St., w s, n Diamond St., 22 two-sty brick dwells.; owners, Jas. H. Stevenson's Sons, Ridge Ave. and Diamond St.
Broad St., e s, n Diamond St., 4 four-sty brick dwells.; builders, Weeks & Michaelson, 913 Walnut St.
Montgomery Ave., s w cor. Nineteenth St., three-sty brick dwell.; owner, Samuel Kreps, 1824 North Eighteenth St.
C. M. Cummings, three sty dwell., 1683 Palmer Ave.; cost, \$3,000.
Rev. Samuel Edsall, two-sty dwell., 1825 Nevada St.; cost, \$7,000.

Pittsburgh, Pa.—Fifth Ave., dwell. for Mrs. Annie E. Morton.
Fifth Ave., dwell. for Henry Reisinger; builder, W. J. Brown.
Negley Ave., dwell. for Thomas Evans; builder, William Bauersmith.
Baum and St. Clair Sts., stone dwell. by Henry Auerman, the Secretary of the Phoenix Galvanizing Co.
Bates St., dwell. for Miss Sheibler.
College Ave. and Alder St., brick dwell.; owners, H. L. Huat & Co.

Radnor, Pa.—Dwell. for St. Martin's Episcopal Church; Pastor, Rev. W. S. Baer.

Somerton, Pa.—Dwell. for Bert Ervin; builder, Harry Stevenson.

Somerville, Mass.—Hall Ave., frame dwell.; owner, Fred. E. Lunt; builders, W. Fillmore & Co.
Benton Ave., frame dwell.; owner, Daniel Sullivan; builder, A. R. Lewis.

Tioga, Pa.—Stone and frame dwell. for Mr. Harry Merott; architect, Frank R. Watson, 518 Walnut St.

Upland, Pa.—Upland Ave., frame dwell. for Robert Calahan; builder, S. R. Bell.

Worcester, Mass.—West Boylston St., two-sty frame dwell.; owner, W. H. Dawson; architect, J. P. Coombs; contractor, C. A. Colburn.
Sherman St., three-sty frame dwell.; owner, P. Garin; architects, Barker & Nourse; contractor, J. A. Kennedy.

PUBLIC-BUILDINGS.

Hempstead, Texas.—Court house to cost \$30,800, will be built; contractor, M. Clark, Galveston, Texas.

SCHOOL-HOUSES.

Chicago, Ill.—Northwestern University, four-sty medical school; 2437-2439 Dearborn St.; cost, \$30,000.
St. Wendel's School, two-sty school-house; 185-187 De Koven St.; cost, \$6,000.
Bohemian-American Free-thinking School, three-sty school-house; 988-990 Nineteenth St.; cost, \$24,000.
City of Chicago, three-sty school-house; 72-81 Sholto St.; cost, \$50,000.
Evangelical-Eman's Church, two-sty school-house; 1893 Harvard St.; cost, \$3,500.

Juniataville, Pa.—Frame school-house by the Dunbar Township School Board.

Lynchburg, Va.—School building to cost about \$13,500, will be built.

Philadelphia, Pa.—D St., s s, e Rhawn St., two-sty brick school-house; builder, M. McManus, 1416 Tioga St.

Quakertown, Pa.—The East End school building will be erected by John N. Weidenmayer.

STABLES.

Boston, Mass.—Alban St., rear No. 82, Ward 24, frame stable, 22' x 30'; owner, G. T. Cushman; builder, S. D. Ramsdell.

Brooklyn, N. Y.—Grand Ave., e s, 205's Park Ave., one and two-sty brick stable and dwell., tin roof; cost, \$3,000; owner, Fred E. Rosebrook, 37 Washington Ave.; architect, Th. Engelhardt, 905 Broadway.

Hingham, Mass.—Frame stable, 40' x 45.10'; owner,

BUILDING INTELLIGENCE.

(Stables Continued.)

John F. Andrew; builder, Wm. J. Nelson; architects, Longfellow, Alden & Harlow, Boston.

Jamaica Plain, Mass.—Acorn St., frame cow and hay barn, 37' x 60'; owner, Mrs. Wm. F. Weld; contract to be let; architects, Longfellow, Alden & Harlow, Boston.

Milton, Mass.—Rendville Station, frame stable, 33' x 63'; owner, John T. Linzee; builder, Wm. Tobin; architects, Longfellow, Alden & Harlow, Boston.

New York, N. Y.—East Eighty-fifth St., No. 2, three-sty brick stable, tin roof; cost, \$16,000; owner, Wm. R. Grace, 31 East Seventy-ninth St.; architect, John Carl, 48 Exchange Pl.
Eighty-second St., Nos. 100-111, five-sty brick stable, tin roof; cost, \$25,000; owner, Jacob Korn, 924 Madison Ave.; architect, Louis Korn, 261 Broadway.
West Fortieth St., No. 540, three-sty brick stable, tar and gravel roof; cost, \$6,000; owner, John Halligan, 507 West Forty-second St.; architect, James W. Cole, 403 West Fifty-first St.

Philadelphia, Pa.—D St., w s, n Kensington Ave., one-sty brick stable; owners, P. R. L. Broad and Filbert Sts.
Park St., s s, e Twenty-first St., two-sty brick stable; builder, P. N. Forsyth, 2199 Jefferson St.
Lancaster Ave., s s, w Sixty-third St., one-sty brick stable; builder, Wm. Douglass, 330 West Sixty-third St.
Hermann St., s s, e Twenty-seventh St., two-sty brick stable; builder, Wm. F. Albrocht, 3003 Diamond St.
Twenty-first St., w s, n Callowhill St., two-sty brick stable; builder, A. B. Lewis, 2105 Callowhill St.
Tasker St. Wharf, two-sty brick stable; owner, Geo. W. Hancock, 920 Walnut St.
Solly St., e s, n D St., two-sty brick stable; owner, Geo. King, Solly and D Sts.
State St., w s, n Bremer St., one-sty brick stable; builder, E. O. Fitch, State Road and Conly St.
Tasker St. Wharf, two-sty brick and stone stable; owners, The Acme Mortar Company.
Township Line, Germantown, stone stable, architect, M. Fielding, 110 South Fourth St.

Rockville, Conn.—Plans for a stable are being made for George Sykes; architects, Hartwell & Richardson, Boston.

Worcester, Mass.—June St., one and one-half-sty frame stable; owner, Geo. F. Dixon; day work.

STORES.

Brooklyn, N. Y.—Irving Ave., e s, 50' n Grove St., 2 four-sty brick stores and dwells, tin roofs; cost, \$7,000 each; owner, John Dreher, 314 Bleeker St.; architect, Benj. Finkenslayer, 93 Broadway; builder, Ch. Dreher, 314 Bleeker St.
Broadway, n s, 23' e Melrose St., four-sty brick store, tin roof; cost, \$15,000; owner, A. Wright, Broadway and Melrose St.; architect, Th. Engelhardt, 905 Broadway.
Franklin St., e s, 50' s Dupont St., three-sty frame store and dwell, tin roof; cost, \$4,000; owner, Wm. Holstein, 268 Franklin St.; architect, H. Vollweiler, 483 Hart St.; builder, D. Eggers, 151 Freeman St.
Siegel St., s s, 75' w Ewen St., five-sty brick store and dwell, tin roof; cost, \$8,000; owners and builders, Rosenberg & Feinberg, 44 Siegel St.; architect, Hugo Smith, 10 Moore St.
Sixth Ave., s w cor. Third St., 5 three-sty brick stores and dwells, tin roofs; total cost, \$34,000; owner and builder, Louis Bonert, on premises; architect, Wm. M. Costa, 189 Montague St.
Hamilton Ave., n w cor. Luquer St., 2 two-sty brick stores and dwells, tin roofs; cost, \$3,000 each; owner and builder, J. F. Nelson, 153 Carroll St.; architect, Geo. Derman, 481 Decatur St.
Washington Ave., n e cor. Bergen St., four-sty brick store and dwell, tin roof; cost, \$12,000; owner, J. J. Kelly, 543 Dean St.; architect, F. J. Conlon, 163 Garfield Pl.
Main St., e s, 110' s Water St., 2 four-sty brick stores and dwells, tin roofs; cost, \$6,000 each; owners, Paul Agnelli, on premises and Jacob Frank, 85 Bayard St., New York City; architect, M. Bernstein, 241 East Broadway, New York City.
Sulzer Ave., s w cor. Snediker Ave., 2 two and three-sty frame stores and dwells, tin roofs; cost, \$6,500; owner, architect and builder, John P. Free, Blake St. and Snediker Ave.

Chicago, Ill.—Patrick Gallagher, two-sty store and flats, 574 Hastings St.; cost, \$6,000.
George Beldam, two-sty store and flats, 5731 State St.; cost, \$3,500.
Nellie Thomas, three-sty store and flats, 1415 Madison St.; cost, \$7,500.
Otto Krueger, two-sty store and dwell., 1944 Armitage Ave.; cost, \$3,500.
B. Kontony, three-sty store and flats, 3235 Ullman St.; cost, \$11,000.
F. Webber, two-sty store and flats, Michigan Ave. and Ninety-ninth St.; cost, \$3,000.
Mrs. M. Allen, 3 three-sty stores and flats, 723-725 Sixty-ninth St.; cost, \$35,000.
Mary Le Brun, 5 four-sty stores and flats; 195 205 South Morgan St.; cost, \$20,000.
G. Giescke, 2 two-sty store and flats; 6301 6303 Morgan St.; cost, \$6,000.
F. Osterheek, two-sty store and flats, 6743 South Halsted St.; cost, \$5,000.
George H. Fox & Co., 4 four-sty stores and flats;

BUILDING INTELLIGENCE.

(Stables Continued.)

Cottage Grove Ave. and Twenty-eighth St.; cost, \$40,000.
James Ashdeacon, two-sty store and flats; 534 Forty-eighth St.; cost, \$3,200.

Montreal, Can.—St. James St., two stores and four dwells.; owner, P. Vanier; architect, J. Alcide Chausse, 153 Shaw St.

New York, N. Y.—Harrison St., No. 11, seven-sty brick store, tin roof; cost, \$25,000; owner, Mrs. Mary Clarkson, Clermont, N. J.; architect, Thomas R. Jackson, 61 Broadway.
Canal St., No. 390, six-sty brick store, tin roof; cost, \$17,000; owner, Francis Neppert, 158 Penn St., Brooklyn; architect, A. H. McElvann, 48 Exchange Pl.
Washington St., No. 691, six-sty brick store, tin roof; cost, \$15,000; owner, James R. Langdon, Vermont; architect, G. H. Streton, Twenty-second St. and Fourth Ave.
Twenty-second St., Nos. 53 59, six-sty brick store, tin roof; cost, \$178,000; owner, James McCreery, Inwood; architect, Alfred Zucker, Lincoln Building, Union Square.
Third Ave., n w cor. Sixteenth St., three-sty brick store, tin roof; cost, \$15,000; owners, Tucker & Moore, 243 West Seventy-first St. and 482 Pearl St.; architects, Frohme & Kline, Bible House.

Philadelphia, Pa.—Cherry St., No. 1916, one-sty brick store; owner, The F. A. Davis Co., 1914 Cherry St.
Cuthbert St., s e cor. Eleventh St., five-sty brick store; owner, John S. Hood; architect, Colesberry.
South and Thirtieth Sts., three-sty brick store, gravel roof; owner, Samuel Forsythe; architect, J. F. Stuckert, 49 North Thirtieth St.
Venango St., No. 3373, two-sty brick store; builder, Peter Hoffman, 3482 Kensington Ave.
South Fifth St., three-sty brick store; builder, Antonio Donato, 1005 South Eighth St.

TENEMENT-HOUSES.

Boston, Mass.—Prince St., No. 89, Ward 7, four-sty brick tenement, flat roof, 27' x 71'; owner, H. Romanon; builder, M. Morgobitz.
Deron St., cor. Blue Hill Ave., Ward 21, frame tenement, pitch roof, 28' x 47.5'; owner, Mrs. M. McNamara; builder, W. E. Gillespie.

New York, N. Y.—Second Ave., No. 667, five-sty brick tenement, tin roof; cost, \$14,000; owner, Herman Buchtenrich, 665 Second Ave.; architects, Kerby & Co., 722 Tremont Ave.

THEATRES.

Brooklyn, N. Y.—Smith St., n w, cor. Livingston St., four-sty brick theatre, stores, lodge-rooms and offices, gravel and tin roof; cost, \$160,000; owners, Wechsler & McNulty, Arbutck Building; architects, J. B. McElvatrik & Son, 1193 Broadway, New York City.

WAREHOUSES.

Baltimore, Md.—William Ferguson will build five-sty brick warehouse, n s Fayette St., bet. Charles and Liberty Sts.

Johnstown, Pa.—Washington St., four-sty warehouse; owner, Mr. K. Uhl.

Philadelphia, Pa.—Spofford St., No. 729, three-sty brick warehouse; builders, Duros & Dougherty, 1104 South Eighth St.
Academy St., s s, w Tenth St., five-sty brick warehouse; builders, Benj. Ketcham & Sons, 1029 Brown St.

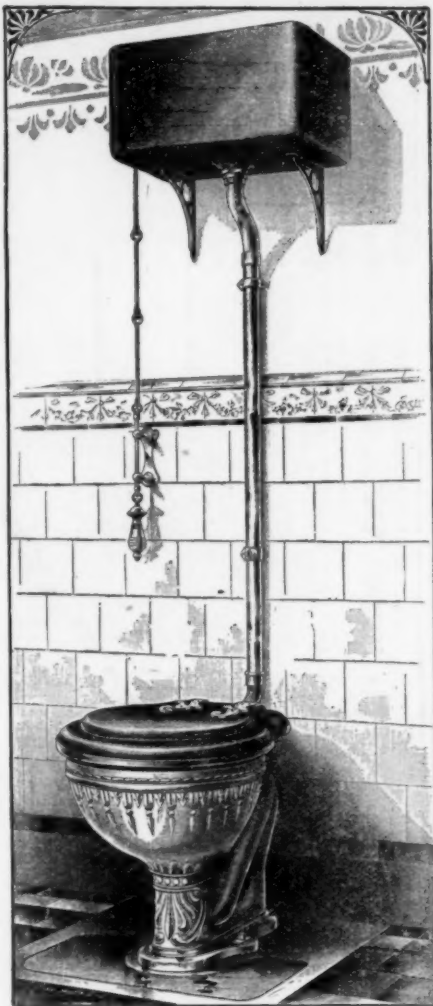
MISCELLANEOUS.

Boston, Mass.—Franklin Park, refectory in Renaissance style, two stories and basement, pitch roof, 60' x 115'; to have a pergola to be covered with vines, under which will be placed serving tables; first story of building to contain dining-room, toilet rooms, serving-rooms, etc.; above second story will be an open-air restaurant, covered by roof, with smoking-room, etc.; architects, Hartwell & Richardson, Boston.
Austin Farm, Ward 23, one-sty frame chapel and dining-hall, pitch roof, 50' x 87.10'; owner, City of Boston; builder, Elisha Littlefield.

Brooklyn, N. Y.—Graham Ave., e s, 60' n Broadway, four-sty brick bank, tin roof; cost, \$20,000; owner, The Broadway Bank, Broadway and Graham Ave.; architect, P. J. Lauritzen, 18 East Twenty-third St., New York City.

Chicago, Ill.—Chicago Gas-light & Coke Co., brick gas reservoir, Center Ave. and Lumber St.; cost, \$100,000.
A. H. Peter, signal tower, Oakley Ave. and Seventy-fifth St.; cost, \$3,000.

New York, N. Y.—East Sixty-sixth St., No. 410, two-sty brick storage building; cost, \$3,400; owner, Harriet Wheeler, 209 West Forty-third St.; architect, Adolph Pfeiffer, 306s Fifth Ave.
Cherry St., Nos. 296-308, six-sty brick workshop, tin roof; cost, \$45,000; owner, Jacob Paskusz, 242 East Seventy-second St.; architects, Horenburger & Straub, 122 Bowery St.
Broome St., No. 159, seven-sty brick workshop, tin roof; cost, \$10,000; owners, David & Rosa Beck, 145 Ridge St.; architects, Horenburger & Straub, 122 Bowery St.
Delancy St., s s, 80' w Cannon St., six-sty brick workshop, tin roof; cost, \$4,200; owner, Betty Simon, 349 East Fifty-fifth St.; architect, Frans L. Blam, 4 East One Hundred and Thirty-second St.



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PLATE 1134-G.

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WALL-LINE



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BUILDING INTELLIGENCE.

(Miscellaneous Continued.)

Cherry St., No. 169, seven-sty brick workshop, tin roof; cost, \$35,000; owner, Morris Levy, 337 East Fifty-seventh St.; architect, Charles Rentz, 153 Fourth Ave.

Madison Ave., No. 327, six-sty brick workshop, tin roof; cost, \$10,000; owner, Jacob Levy, 742 Third Ave.; architect, Fred Ebeling, 3 First Ave.

Providence, R. I. — Weybosset St., s.w. cor. Potter St., five-sty brick building; owners, Providence Athletic Association; architects, Gould, Angell & Swift; builders, N. B. Horton & Son.

Wacahachie, Texas. — Bank building to cost about \$17,000, will be built for the Citizen's Bank.

PROPOSALS.

Treasury Department, Office Supervising Architect, July 19, 1893. Notice is hereby given of the extension of the time for opening the proposals for Post-office Lock Boxes, Lock Drawers, etc., for Public Buildings for the fiscal year ending June 30, 1894, to 2 o'clock P. M. August 15, 1893, JEREMIAH O'ROURKE, Supervising Architect. 919

Treasury Department, Office Supervising Architect, Washington, D. C., July 17, 1893. Sealed proposals will be received at this office until 2 o'clock P. M. on the 10th day of August, 1893, and opened immediately thereafter, for all the labor and materials required for the erection and completion of new Boiler-house, new Boiler-plant, etc., for the United States Bureau of Engraving and Printing at Washington, D. C., in accordance with the drawings and specification, copies of which may be had at this office. No convict labor nor the product of any convict labor will be allowed in the work. Each bid must be accompanied by a certified check for a sum not less than two per cent of the amount of the proposal. The right is reserved to reject any and all bids, or to waive any defect or informality in any bid, if it be deemed in the interest of the Government to do so. All bids received after the time stated will be returned to the bidders. Proposals must be enclosed in envelopes sealed and marked "Proposal for New Boiler-house and New Boiler-plant for the United States Bureau of Engraving and Printing at Washington, D. C.," and addressed to JEREMIAH O'ROURKE, Supervising Architect. 919

Office of the Light-house Engineer, Fifth District, Baltimore, Md., July 24, 1893. Sealed proposals will be received at this office until 2 o'clock P. M. of Tuesday, the 15th day of August, 1893, for furnishing the materials and labor of all kinds necessary for the construction, erection and sinking at the site of the foundation pier for the Wolf Trap Light-station, Virginia. Plans, specifications, forms of proposal, and other information may be obtained on application to this office. The right is reserved to reject any or all bids and to waive any defects. ERIC BERGLAND, Captain of Engineers, U. S. A., Light-house Engineer Fifth District. 919

Office of the Light-house Engineer, Fifth District, Baltimore, Md., July 24, 1893. Sealed proposals will be received at this office until 2 o'clock P. M. of Tuesday, the 15th day of August, 1893, for furnishing

PROPOSALS.

materials and labor of all kinds necessary for the completion and delivery of the metal-work for the foundation pier of Wolf Trap Light-station, Virginia. Plans, specifications, forms of proposal, and other information may be obtained on application to this office. The right is reserved to reject any or all bids and to waive any defects. ERIC BERGLAND, Captain of Engineers, U. S. Army, Light-house Engineer Fifth District. 919

Treasury Department, Office Supervising Architect, Washington, D. C., July 18, 1893. Sealed proposals will be received at this office until 2 o'clock P. M. on the 3d day of August, 1893, and opened immediately thereafter, for all the labor and materials required for the wharves and buildings at the United States Quarantine Station, Reedy Island, Del., in accordance with drawings and specification, copies of which may be had at this office. Each bid must be accompanied by a certified check for a sum not less than two per cent of the amount of the proposal. The right is reserved to reject any or all bids, and to waive any defect or informality in any bid, if it be deemed in the interest of the Government to do so. All proposals received after the time stated will be returned to the bidders. Proposals must be enclosed in envelopes, sealed, and marked "Proposal for Wharves and Buildings at the United States Quarantine Station, Reedy Island, Del.," and addressed to JEREMIAH O'ROURKE, Supervising Architect. 918

Treasury Department, Office Supervising Architect, Washington, D. C., July 21, 1893. Sealed proposals will be received at this office until 2 o'clock P. M. on the 16th day of August, 1893, and opened immediately thereafter, for all the labor and materials necessary to put in place complete the iron columns of the basement and sub-basement, basement and first-floor beams, etc., of the United States Post-office, Court-house and Custom-house building at St. Paul, Minn., in strict accordance with drawings and specification, copies of which may be obtained at this office or the office of the Superintendent at St. Paul, Minn. No convict labor nor the product of any convict labor will be allowed in the work. Each bid must be accompanied by a certified check for a sum not less than two per cent of the amount of the proposal. The right is reserved to reject any or all bids, or to waive any defect or informality in any bid, should it be deemed in the interest of the Government to do so. All bids received after the time stated will be returned to the bidders. Proposals must be enclosed in envelopes sealed and marked "Proposal for the Iron Columns of the Basement and Sub-basement, Basement and First-floor Beams, etc., for the United States Post-office, Court-house and Custom-house at St. Paul, Minn.," and addressed to JEREMIAH O'ROURKE, Supervising Architect. 919

Treasury Department, Office Supervising Architect, Washington, D. C., July 13, 1893. Sealed proposals will be received at this office until 2 o'clock P. M. on the 9th day of August, 1893, and opened immediately thereafter, for all the labor and materials required for the excavation, concrete foundations, cut-stone and brick work, iron and wood floor, ceiling and roof construction, roof-covering, drainage, approaches, etc., for the United States Post-office building at Staunton, Va., in accordance with the draw-

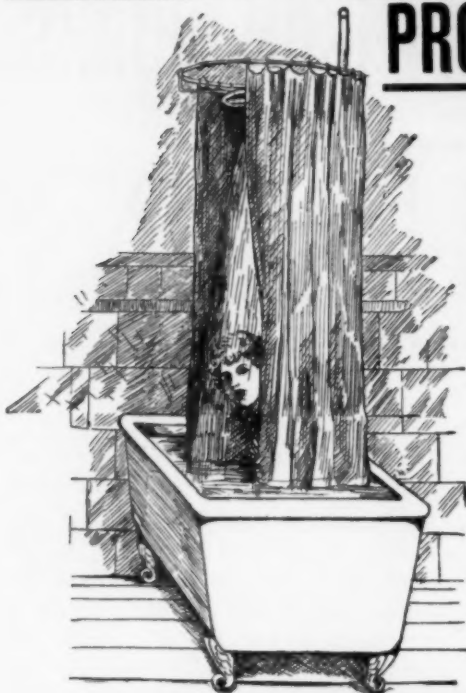
PROPOSALS.

ings and specification, copies of which may be had at this office or the office of the Superintendent at Staunton, Va. No convict labor nor the use of any product of convict labor will be allowed in the work. Each bid must be accompanied by a certified check for a sum not less than two per cent of the amount of the proposal. The right is reserved to reject any or all bids, or to waive any defect or informality in any bid, if it be deemed in the interest of the Government to do so. All bids received after the time stated will be returned to the bidders. Proposals must be enclosed in envelopes sealed and marked "Proposal for the Excavation, Concrete Foundations, Cut-stone and Brick Work, Iron and Wood Floor, Ceiling and Roof Construction, Roof-covering, Drainage, Approaches, etc., for the United States Post-office building at Staunton, Va.," and addressed to JEREMIAH O'ROURKE, Supervising Architect. 918

Treasury Department, Office Supervising Architect, Washington, D. C., July 13, 1893. Sealed proposals will be received at this office until 2 o'clock P. M. on the 4th day of August, 1893, and opened immediately thereafter, for supplying and delivering at freight-depot at place of destination the Post-office lock-boxes, lock-drawers, locks, pulls, plates, etc., for United States Public Buildings, in accordance with specification, as may be ordered during the fiscal year ending June 30, 1894. Copies of the specification and any additional information may be had on application at this office. Each bid must be accompanied by a certified check for \$100. The right is reserved to reject any or all bids, or to waive any defect or informality in any bid, if it be deemed in the interest of the Government to do so. All bids received after the time stated will be returned to the bidders. Proposals must be enclosed in envelopes, sealed and marked "Proposal for Lock-boxes, Lock-drawers, Locks, Pulls, Plates, etc., for the United States Post-offices," and addressed to JEREMIAH O'ROURKE, Supervising Architect. 918

Treasury Department, Office of the Supervising Architect, Washington, D. C., July 12, 1893. Sealed proposals will be received at this office until 2 o'clock P. M. on the 4th day of August, 1893, and opened immediately thereafter, for the stone and brick work of the first story, the first-story iron columns, the second-floor girders, I-beams and wood-joists, etc., for the United States Post-office building at Richmond, Ky., in accordance with the drawings and specification, copies of which may be had at this office or the office of the Superintendent at Richmond, Ky. No convict labor nor the use of any product of convict labor will be allowed in the work. Each bid must be accompanied by a certified check for a sum not less than two per cent of the amount of the proposal. The right is reserved to reject any or all bids, and to waive any defect or informality in any bid, if it be deemed in the interest of the Government to do so. All proposals received after the time stated will be returned to the bidders. Proposals must be enclosed in envelopes sealed and marked "Proposal for the Stone and Brick Work of the First Story, the First-story Iron Columns, the Second-floor Girders, I-beams and Wood-joists, etc., for the United States Post-office building at Richmond, Ky.," and addressed to JEREMIAH O'ROURKE, Supervising Architect. 918

Treasury Department, Office of the Supervising Architect, Washington, D. C., July 12, 1893. Sealed proposals will be received at this office until 2 o'clock P. M. on the 4th day of August, 1893, and opened immediately thereafter, for the stone and brick work of the first story, the first-story iron columns, the second-floor girders, I-beams and wood-joists, etc., for the United States Post-office building at Richmond, Ky., in accordance with the drawings and specification, copies of which may be had at this office or the office of the Superintendent at Richmond, Ky. No convict labor nor the use of any product of convict labor will be allowed in the work. Each bid must be accompanied by a certified check for a sum not less than two per cent of the amount of the proposal. The right is reserved to reject any or all bids, and to waive any defect or informality in any bid, if it be deemed in the interest of the Government to do so. All proposals received after the time stated will be returned to the bidders. Proposals must be enclosed in envelopes sealed and marked "Proposal for the Stone and Brick Work of the First Story, the First-story Iron Columns, the Second-floor Girders, I-beams and Wood-joists, etc., for the United States Post-office building at Richmond, Ky.," and addressed to JEREMIAH O'ROURKE, Supervising Architect. 918



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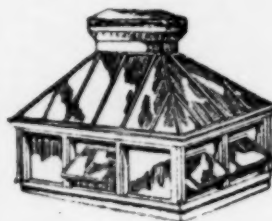
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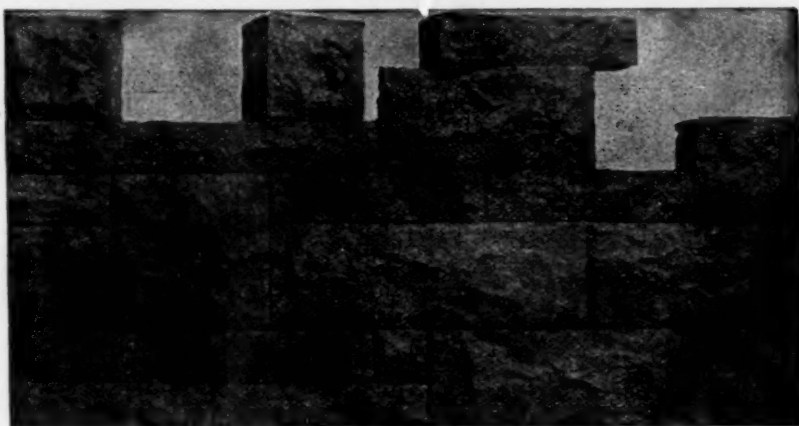
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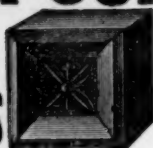
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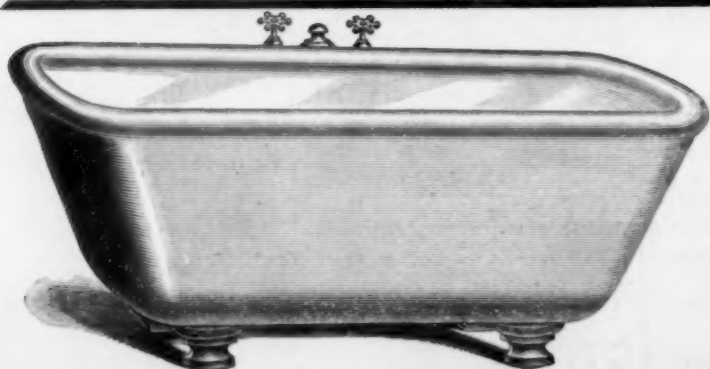
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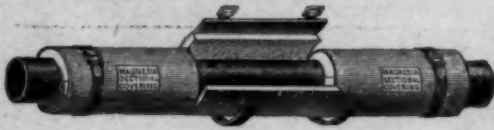
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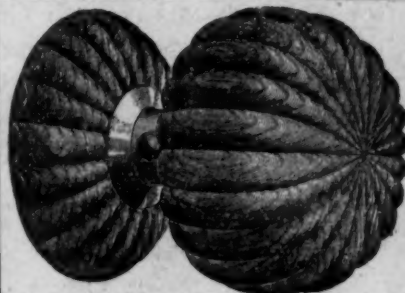
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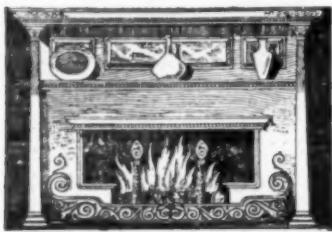
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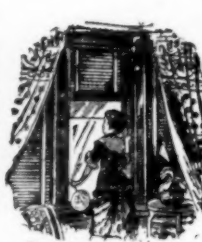
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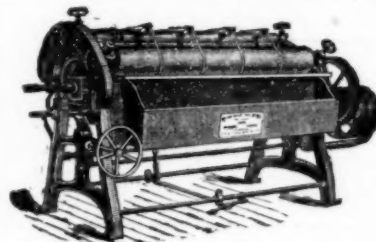
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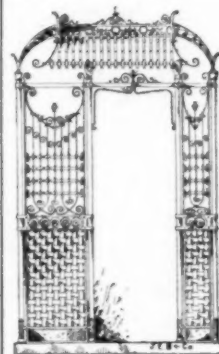
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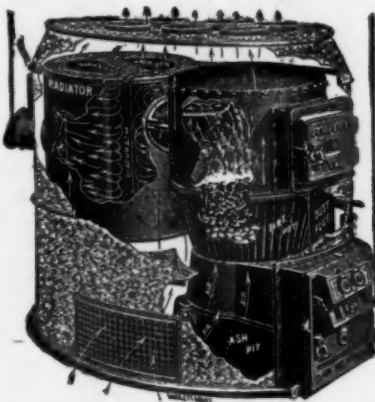
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Rockland and Rockport, (Com.).....				
Rockland and Rockport, finish.....				
Kelley Island Lime, finish.....				
State, com. cargo rates (nom.).....				
State, finishing.....				
Plaster of Paris (enriched).....				
" (casting).....				
Hair (Cattle) & bush.....				
" (Goat).....				
Sand, P load.....				
STONE. (P cubic foot, rough.)				
Granite: (Maine)				
Limestone:				
Bedford.....	45 @ 1 25			
Joliet.....				
Lemont.....				
Serpentine.....				
Eastern:				
Building Brick.....				
Domestic Com.....				
Domestic Face.....				
Philadelphia.....				
Phila. mould.....				
Indiana Pressed.....				
St. Louis Fronts.....				
Medium.....				
Red.....				
Dark.....				
Pressed.....				
Best Paving.....				
Second.....				
Third.....				
Dom.....				
Chicago:				
Building Brick.....				
Domestic Com.....				
Domestic Face.....				
Philadelphia.....				
Phila. mould.....				
Indiana Pressed.....				
St. Louis Fronts.....				
Medium.....				
Red.....				
Dark.....				
Pressed.....				
Best Paving.....				
Second.....				
Third.....				
Dom.....				
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Building Brick.....				
Domestic Com.....				
Domestic Face.....				
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Phila. mould.....				
Indiana Pressed.....				
St. Louis Fronts.....				
Medium.....				
Red.....				
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Pressed.....				
Best Paving.....				
Second.....				
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Dom.....				

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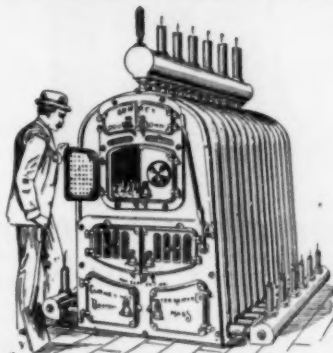
Foundation:

Wholesale Prices.)

(Prices to Builders and Contractors,

Dimension.....	5 00	5 00	5 00	5 00
Block.....	4 60	4 60	4 60	4 60
Rubble.....	1 25	1 25	1 25	1 25
Blue stone: (P sq. ft.)				
Sidewalk.....	30 00	5 00	40 00	1 75
Planed.....	50 00	6 00	75 00	1 00
Sandstone:				
Longmeadow.....	80 00	90 00	80 00	90 00
Kibbe.....	1 00	1 00	1 25	1 45
Brown (Connecticut).....	90 00	95 00	90 00	1 00
Amherst Ohio.....	75 00	1 00	85 00	90 00
Berea.....	75 00	1 00	80 00	90 00
Berlin.....	80 00	1 25	1 25	1 35
Belleville.....	80 00	1 00	75 00	90 00
New Brunswick (Dorchester).....	80 00	1 00	80 00	90 00
Caen.....	80 00	1 00	80 00	90 00
Carlisle, English.....	80 00	1 00	80 00	90 00
Corse Hill (Scotch).....	80 00	1 00	80 00	90 00
Marble: (P cu. ft.)				
Leo, Mass.....	1 75	2 50	Not Sold.	2 00
Rutland, white and blue.....	1 25	1 75	3 50	6 00
Sutherland Falls.....	1 25	1 75	3 50	6 00
Glens Falls, black.....	1 25	1 75	Not Sold.	4 40
Italian, blue-veined.....	1 25	1 75	Not Sold.	4 40
" Sienna.....	1 25	1 75	Not Sold.	4 40
Tennessee, red.....	1 25	1 75	Not Sold.	4 40
" Knoxville.....	1 25	1 75	Not Sold.	4 40
Pennsylvania, blue.....	1 25	1 75	Not Sold.	4 40
Vermont, white.....	1 25	1 75	Not Sold.	4 40
Slate: Roofing (P square).....				
" green.....	5 00	6 00	4 75	5 25
" unfading.....	5 00	6 00	5 50	6 50
" purple.....	5 00	6 00	5 50	6 50
" red.....	5 00	6 00	10 00	11 00
" black, Lehigh.....	4 25	4 75	6 25	6 85
" " Chapmans.....	4 25	4 75	7 30	8 00
" Unfading black, Mowson, Ms.....	5 50	8 00	6 00	9 00
Tiles, Am.....	5 50	8 00	Not Sold.	6 00
N. Peach Bottom, warranted unfading.....	5 50	8 00	Not Sold.	6 00
PAINTS. (In Oil P lb.)				
White lead, Am.....	7 00	7 00	7 00	7 00
" zinc.....	5 00	5 00	5 00	5 00
Red lead, Am.....	6 00	6 00	6 00	6 00
" Venetian.....	6 00	6 00	6 00	6 00
" Vermillion.....	6 00	6 00	6 00	6 00
" Indian, Eng.....	6 00	6 00	6 00	6 00
Yellow Ochre.....	6 00	6 00	6 00	6 00
" Chrome.....	6 00	6 00	6 00	6 00
Green (chrome).....	6 00	6 00	6 00	6 00
Green, Paris.....	6 00	6 00	6 00	6 00
Black, lamp.....	6 00	6 00	6 00	6 00
Blue, ultramarine.....	6 00	6 00	6 00	6 00
Oil, linseed, (raw).....	6 00	6 00	6 00	6 00
" " boiled.....	6 00	6 00	6 00	6 00
Turpentine.....	6 00	6 00	6 00	6 00
Varnish, coach.....	6 00	6 00	6 00	6 00
Shallac.....	6 00	6 00	6 00	6 00
Putty.....	6 00	6 00	6 00	6 00
Whiting.....	6 00	6 00	6 00	6 00
Paris white, (Eng.).....	6 00	6 00	6 00	6 00
Litharge, Am.....	6 00	6 00	6 00	6 00
Sienna (burnt).....	6 00	6 00	6 00	6 00
Umber.....	6 00	6 00	6 00	6 00
HARDWARE.				
Nails: (Per Cask.) Spikes, (wrought.)	2 85	2 85	2 35	3 50
10d. common.....	2 60	2 60	2 00	1 95
Shingle.....	3 35	3 35	2 65	2 35
Lath.....	4 85	4 85	3 25	3 25
(Finishing nails according to size.)				
For casing nails add 75 c. per keg.....				
Butts: 4" x 4"..... (P doz. pairs).....				
Plain.....	1 00	1 00	90	90
Japanned.....	1 50	1 50	Not Sold.	3 75
Acorn, Japanned.....	1 50	1 50	Not Sold.	3 75
Ball Tip, Boston Finish..... (P pair).....	65	65	2 00	3 25
Bronze metal.....	1 90	1 90	1 4	16
Brass (for cupboards).....	10	10	14	20
Ebony.....			14	20
Apple wood.....			14	20
Knobs: (P set.)				
Mineral, best.....	8	8	8	10
Lava.....	50	50	65	80
Hemlock.....	Not Sold.	17	31	40
Porcelain.....	30	30	25	30
Glass, solid.....	Not Sold.	88	100	150
Glass, silvered.....	Not Sold.	50	300	300
Bronze metal.....	75	2 00	1 00	3 00
Brass.....	1 00	2 50	1 4	16
Solder:				
Sheet Lead.....			5 1/2	7
Lead Pipe.....			5 1/2	7
Iron:				
I-Beams, up to and including 30 ft.....	3 3-10	3 1/2	3 4-10	2 75
do. over 30 ft., 1 c. adv. for every 5 ft.	3 3-10	3 1/2	3 4-10	2 75
Channel Beams.....				

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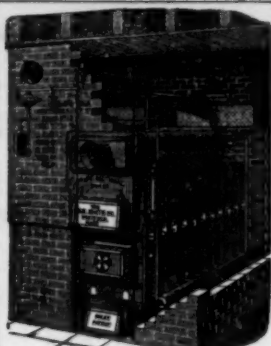
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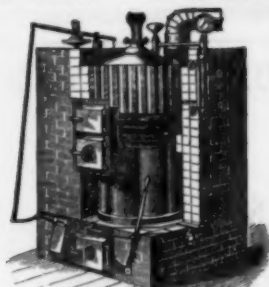
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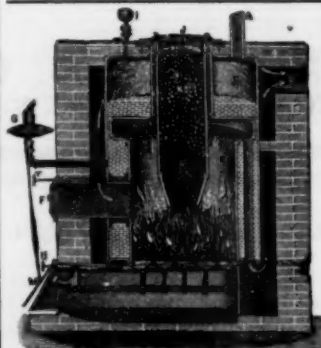
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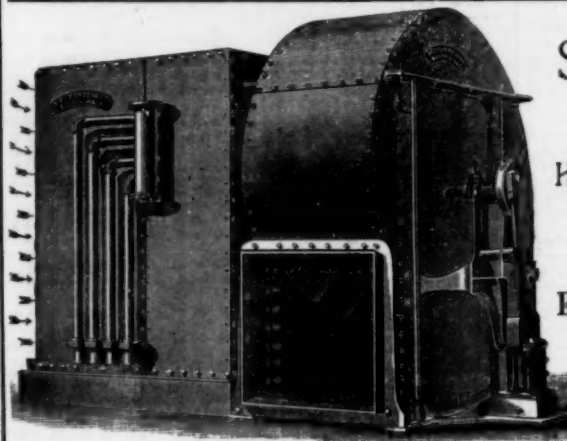
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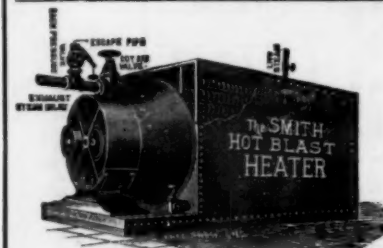
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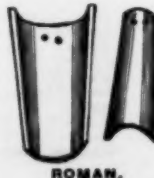
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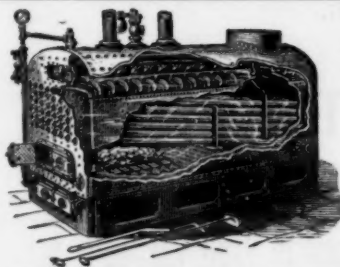


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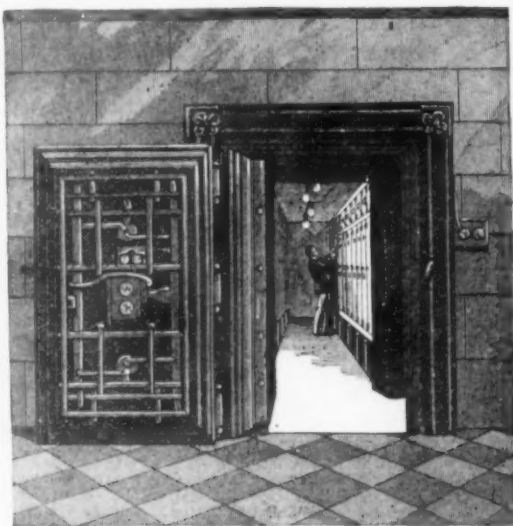
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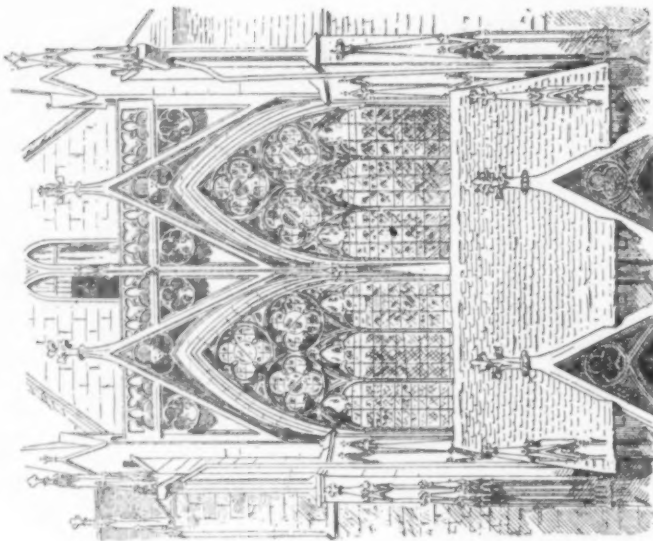
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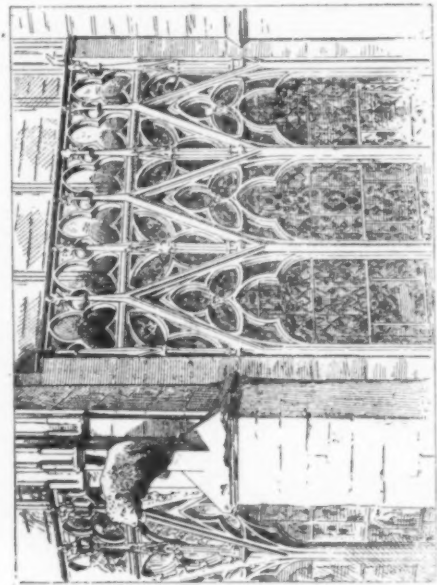
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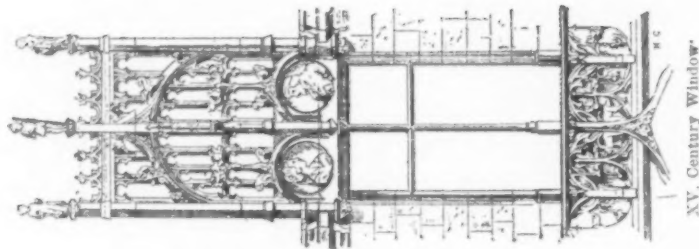
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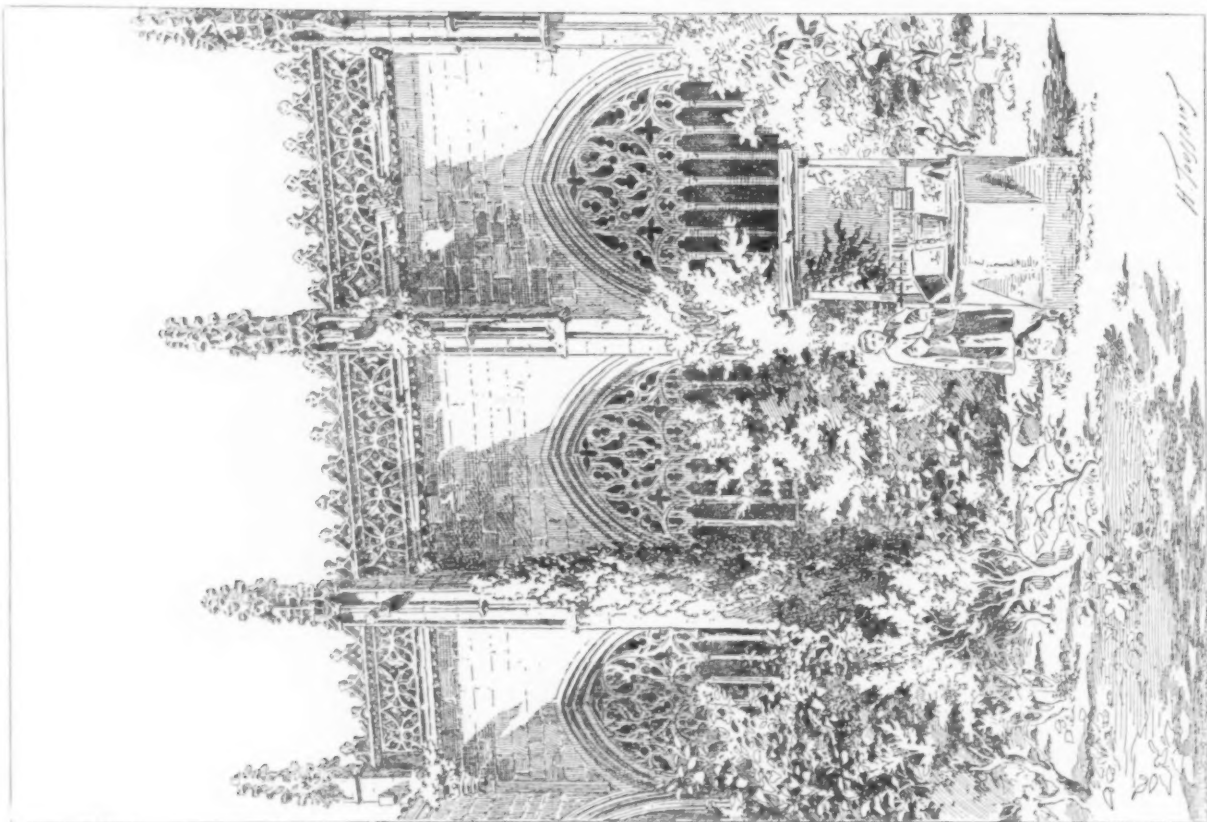
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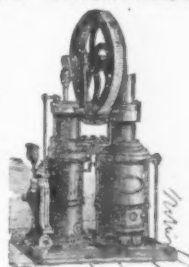
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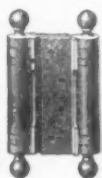
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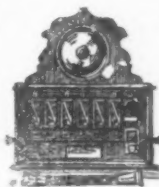
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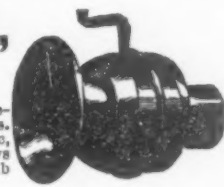


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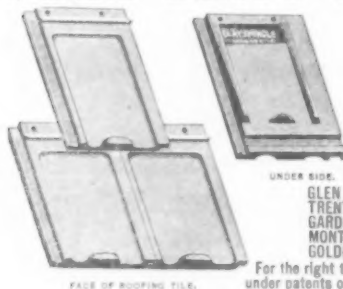


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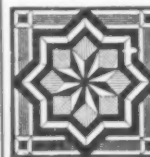
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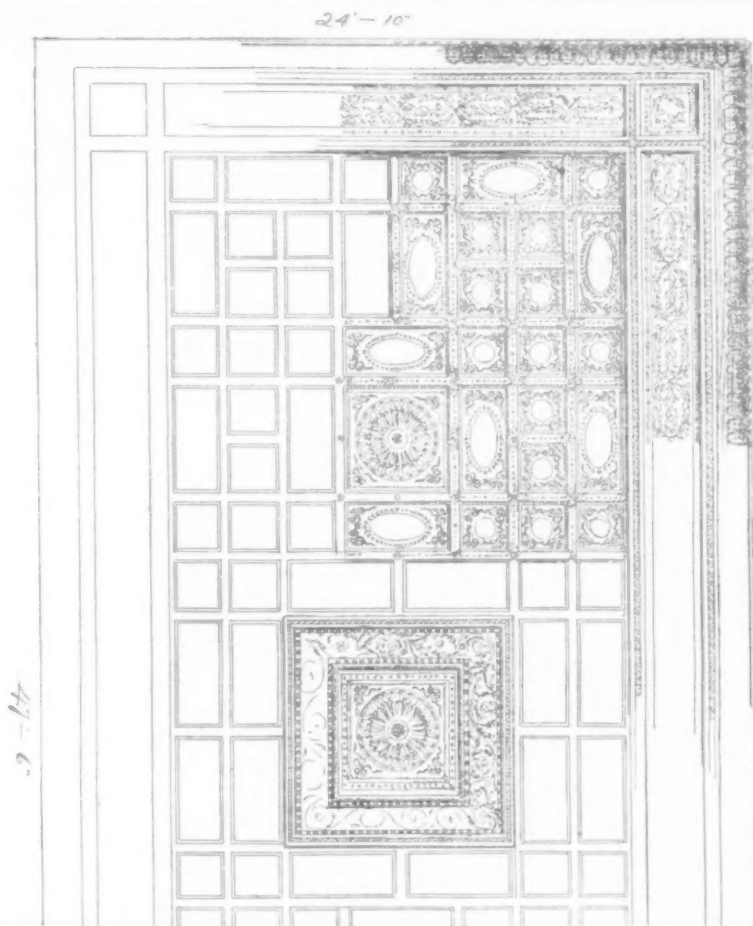
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Jno. F. Hirt, 6 two-st'y brick buildings, beg. s e cor. Jefferson St. and Collington Ave.
Bethayres, Pa.—Three-st'y frame dwell.; architects, Carrere & Hastings, 41-46 Broadway, New York.
Boston, Mass.—Milton Ave., near Armandine St., Ward 24, frame dwell., 27' x 38'; owner, T. F. Smith; builder, V. M. Cutter.
Auckland St., near Savin Hill Ave., Ward 24, frame dwell., 24.6' x 34.6'; owner, Mary C. Ford; builder, Wm. Riley.
Washington St., near Whipple St., Ward 23, frame dwell., 22' x 32'; owner, B. T. McNulty.

BUILDING INTELLIGENCE.

(Houses Continued.)

Garden St., near Murdock St., Ward 25, frame dwell., hip roof, 24' x 36'; owner, J. H. Greenleaf; builder, J. Muldoon.
Unnamed St., from Savin Hill Ave., Ward 24, frame dwell., 36' x 38'; owner, P. H. Methot; builder, C. Kellar.
Hill St., near Murdock St., Ward 25, frame dwell., 27' x 37'; owner, L. K. Stark; builder, J. Muldoon.
Bondoin St., near Oakley St., Ward 24, frame dwell., 28' x 34'; owners, Workmen's Building Association; builder, J. D. McClellan.
Hudson Way, near Hyde Park Ave., Ward 23, frame dwell., 22' x 35'; owner, J. C. Gustafson; builder, F. W. Gustafson.
Perham St., near Ivory St., Ward 23, frame dwell., 26' x 33'; owner, W. Duran; builders, Rolfe & Duran.
Highland St., No. 689, Ward 21, three-st'y frame dwell., flat roof, 20' x 52.8'; owner, C. M. Young; builder, W. Tobin.
Proctor St., near Walters St., Ward 23, frame dwell., hip roof, 27' x 40'; owner, Joseph Young; builder, J. E. Poland.
East Third St., No. 644, Ward 14, three-st'y frame dwell., flat roof, 24' x 53'; owner, L. Upton; builders, Holbrook & Harlow.
Ingleside St., near Blue Hill Ave., Ward 21, three-st'y frame dwell., flat roof, 27' x 44'; owner, Michael Rock; builder, J. A. Mahan.
Nelson St., near Evans St., Ward 21, two frame dwells., 24' x 34'; owner and builder, A. J. Brennan.
Milton Ave., near Fuller St., Ward 24, frame dwell., 28' x 42'; owner, Mrs. S. A. Hardy; builder, J. E. Floyd.
Preble St., Nos. 26-28, Ward 15, three-st'y frame dwell., flat roof, 24' x 53'; owner, W. L. Lewis.
Paris St., Nos. 178-182, Ward 2, 3 three-st'y frame dwells., flat roofs, 22' x 43'; owners, John Moran, R. Sullivan, John Murphy; builder, J. E. Floyd.

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(Houses Continued.)

Shawmut Park, Nos. 11 and 13, Ward 24, two frame dwell., one pitch and one hip roof, 26' x 34'; owner, C. A. Coffin; builder, A. M. Johnson.

Moore St., cor. Bennington St., Ward 1, three-sty brick dwell., pitch roof, 32' x 43'; owner, J. J. Williams; builder, Frank Finn.

Hillside St., cor. Calumet St., Ward 22, three-sty frame dwell., pitch roof, 27' x 52'; owners, Misses J. and E. Scollard; builder, W. S. Call.

Josephine St., near Geneva St., Ward 24, frame dwell., 23' x 34'; owner, Mrs. H. Dancett; builder, G. H. Dancett.

Paris St., near Porter St., Ward 1, 4 three-sty frame dwell., flat roofs, 21' x 44'; owner, John O'Neil; builder, J. McInnis.

Wordsworth St., near Saratoga St., Ward 1, frame dwell., 21' x 31'; owner and builder, David Marshall.

East Seventh St., near L St., Ward 14, three-sty frame dwell., flat roof, 21' x 52'; owner, J. W. Reardon; builder, D. A. Hutchinson.

Hyde Park Ave., near Walk Hill St., Ward 23, 2 three-sty frame dwell., 21' x 50'; owner, J. Schweendeman.

High St., Nos. 113A and 115A, Ward 4, 4 three-sty frame dwell., flat roofs, 21' x 52'; owner, N. Brackett; builder, Uriel Adams.

Hall St., near South St., Ward 23, three-sty frame dwell., flat roof, 22' x 45'; owner and builder, George Sweetland.

Lenox St., near Heath St., Ward 22, three-sty frame dwell., flat roof, 26' x 37'; owner and builder, P. H. Howe.

Puritan Ave., near Richfield St., Ward 14, three-sty frame dwell., flat roof, 30' x 48'; owner, John Bell; builder, H. M. Wallis.

Saratoga St., No. 348, Ward 1, three-sty frame dwell., flat roof, 25' x 63 1/2'; owner, T. A. Walsh; builder, J. C. Frame.

Saratoga St., cor. Prescott St., Ward 1, three-sty frame dwell., flat roof, 25' x 50'; owner, T. F. Doherty; builders, McLaren & Cushing.

Heath St., rear No. 126, Ward 22, frame dwell., 28' x 37'; owner, Amelia Albright; builders, Fuchs & Wanger.

St. Vernon St., No. 9, Ward 24, three-sty frame dwell., flat roof, 26' x 31'; owner, Michael Cread; builder, W. Eadie.

Cedaridge St., near Byron St., Ward 1, frame dwell., hip roof, 32' x 38'; owner and builder, Robert Crosby.

Brooklyn, N. Y.—South Fourth St., s s, 225' e Hooper St., four-sty brick dwell., tin roof; cost, \$3,500; owner and builder, George Straub, 809 Willoughby Ave.; architect, Th. Engelhardt, 905 Broadway.

Sedgwick St., s s, 100' w Columbia St., three-sty brick dwell., tin roof; cost, \$7,000; owner, Miss Smith, Sedgwick St.; architect, E. C. Ransom, 186 Remsen St.; builders, M. Gibbons & Sons, 318 Columbia St.

Rodney St., w s, 75' n South Third St., four-sty brick dwell., tin roof; cost, \$9,000; owners and builders, Emil & Chas. Lehman, 321 South Fifth St.; architect, Th. Engelhardt, 905 Broadway.

BUILDING INTELLIGENCE.

(Houses Continued.)

Dikeman St., n s, 125' w Conover St., three-sty frame dwell., tin roof; cost, \$3,500; owner, Louis Osterloo, 160 Dikeman St.; architect, C. M. Detlefsen, 164 Conover St.

Warwick St., w s, 100' n Belmont Ave., 3 two-sty frame dwell., tin roofs; cost, \$3,000 each; owner, architect and builder, E. K. Tichenor, 447 Gold St.

Shepherd Ave., w s, 23' n Eastern Parkway, 4 two-sty frame dwell., tin roofs; cost, \$2,000 each; owner and builder, Louis Heemann, Market St., near Fulton St.; architect, L. F. Schillinger, 581 Liberty Ave.

Rogart St., e s, 25' n Ingraham St., three-sty brick dwell., tin roof; cost, \$7,000; owner, A. Roek, 89 Throop Ave.; architect, Frank Holmberg, 1169 Broadway.

Fifteenth St., s s, 180' w Eighth Ave., three-sty brick dwell. and shop, tin roof; cost, \$5,823; owner, Thos. Quinn, 383 Fifteenth St.; architect, John H. Kerwan, 383 Fifteenth St.; builder, John H. O'Rourke, 76 Thirty-ninth St.

De Kalb Ave., n s, 100' e Tompkins Ave., four-sty brick dwell., tin roof; cost, \$12,000; owner, R. Healey, De Kalb and Tompkins Aves.; architects, I. D. Reynolds & Son, 363 Fulton St.

Etna St., n s, 100' w Chestnut St., 2 two-sty frame dwell., shingle roofs; cost, \$2,500 each; owner, Mrs. M. D. Gardner, Union Course, L. I.; architect and builder, D. A. Smith, Cleveland St.

Harman St., s s, 225' e Knickerbocker Ave., three-sty frame dwell., tin roof; cost, \$4,800; owner, Mrs. A. Renner, 780 Broadway; architect, Th. Engelhardt, 905 Broadway.

Conover St., n s, 40' e Elizabeth St., 2 three-sty frame dwell., tin roofs; total cost, \$10,000; owner, H. Detmer, 190 Hamilton Ave.; architect, C. M. Detlefsen, 164 Conover St.

Sixth Ave., n w, cor. First St., four-sty brick dwell., tin roof; cost, \$14,000; owner and builder, Peter Larson, 410 Second St.; architect, Jacob Roth, 352 Sixth Ave.

Bleecker St., n s, 410' e Irving Ave., two-sty frame dwell., tin roof; cost, \$3,300; owner, J. Cannella, 220 Chauncey St.; architect, Geo. A. Craig, 189 Montague St.

Bleecker St., n s, 230' e Irving Ave., 10 two-sty frame dwell., tin roofs; cost, \$3,000 each; owner, J. Cannella, 220 Chauncey St.; architect, Geo. A. Craig, 189 Montague St.

Grattan St., s s, 121' 20' e Knickerbocker Ave., three-sty frame dwell., tin roof; cost, \$3,500; owner and builder, Mary Erik, 22 Thames St.; architect, Henry Vollweiler, 483 Hart St.

Junius St., w s, 100' n Dumont Ave., 3 two-sty frame dwell., tin roofs; cost, \$1,500 each; owner, Isaac Curtis, Liberty Ave. and Vesta St.; architect, A. H. McCrehan, 2581 Atlantic Ave.

Bleecker St., n s, 90' e Irving Ave., and Greene Ave., s s, 310' e Irving Ave., 13 two-sty frame dwell., tin roofs; cost, \$3,000 each; owners and builders, J. P. Banta & Co., 275 Bleecker St.; architect, H. Vollweiler, 483 Hart St.

Wyona Ave., w s, 240' s Sutter Ave., 3 two-sty brick dwell., tin roofs; cost, \$2,500 each; owner, F. Eiermann, 139 Elton St.; builder, J. Feusch, Barbey St., near Liberty St.

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(Houses Continued.)

Eastern Parkway, n w cor. Shepherd Ave., three-sty frame dwell., tin roof; cost, \$6,000; owner and builder, Louis Isenmann, Market St., near Fulton Ave.; architect, Louis F. Schillinger, 581 Liberty Ave.

Thirty-sixth St., s s, 375' w Fifth Ave., 5 two-sty frame dwell., tin or gravel roofs; cost, \$2,000 each; owner, builder and architect, H. C. Bull, Blythebourne, L. I.

Central Ave., w s, 25' n Ralph St., 3 three-sty frame dwell., tin roofs; cost, \$4,800; owner, J. Wingenfeldt, Grove and Central Aves.; architects, Funk & Hillenbrand, 200 Knickerbocker Ave.

Starr St., s s, 200' w Knickerbocker Ave., 2 three-sty frame dwell., tin roofs; cost, \$4,500 each; owners and builders, John & Martin Deinhardt, 273 Bleecker St.; architects, Funk & Hillenbrand, 200 Knickerbocker Ave.

Chicago, Ill.—H. R. Heel, three-sty dwell.; 3121 Calumet Ave.; cost, \$12,000.

Cincinnati, O.—Mrs. Payne, two-and-one-half-sty frame dwell., e s Fisher St.; cost, \$2,200; architect, G. B. Payne.

Jno. Bosken, two-and-one-half-sty frame dwell., s w Beech Ave.; cost, \$4,200; architect, Jos. Steinkamp.

Henry Sners, two-and-one-half-sty frame dwell., s s Clayton Ave.; architect, E. Moorman.

N. A. Powers, double two-and-one-half-sty frame dwell., n s Gilbert Ave.; cost, \$6,000; architect, Edward Bice.

Wm. George, two-and-one-half-sty brick and stone dwell., n s Conroy Ave.; cost, \$2,500; architect, Phil. Pfeiffer.

Niemes & McGrath, two-sty brick and stone dwell., s w Williamson Pl.; cost, \$2,500; architect, F. Glidill.

Chris. Koeller, two-and-one-half-sty brick and stone dwell., s w Vine St.; cost, \$3,000; architects, Reig & Marty.

J. Meninger, two-and-one-half-sty brick and stone dwell., n s Queen City Ave.; cost, \$3,500; architect, M. Fisher.

Mrs. M. T. Schmidlapp, two-and-one-half-sty brick and stone dwell., n s Terrace Ave.; cost, \$8,500; architect, Gus. Drach.

John Heyl, owner and architect, three-sty brick and stone dwell., 78 Bank St.; cost, \$4,200.

Clearfield, Pa.—Dwell. for J. F. Powell; architects, Culver & Hudson, 234 West Fourth St., Williamsport, Pa.

Princeton, N. J.—Two-and-one-half-sty frame Colonial dwell.; architects, Stephenson & Green, 5 Beckman St., New York City.

Providence, R. I.—Melrose St., n w cor. Pacific St., two-and-one-half-sty frame dwell.; owner, Mrs. Harriet N. Hilton; architect, H. K. Hilton; builder, Vere W. Beck.

Pine St., s s, near Douglas Ave., three-and-one-half-sty frame dwell.; cost, \$3,500; owner and builder, H. E. Barney.

East George St., n s, bet. Ives and Gano Sts., two-and-one-half-sty frame dwell.; cost, \$3,800; owners, Andrew B. Martin and wife; builder, Edward Berry.

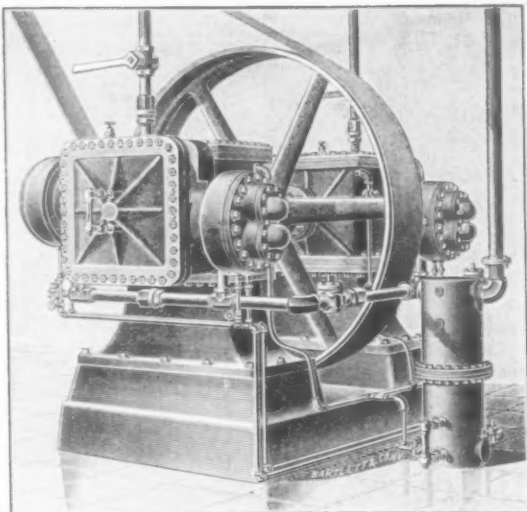
Spruce St., n s, near Entaw St., three-sty frame dwell.; cost, \$3,500; owner, Antonia Cella; builder, Joseph Taulevin.

South Angel St., w s, Grand Ave., two-and-one-half-sty frame dwell.; cost, \$3,500; owner, Jason S. Austin; builders, Bottomly & Dearnley.

Melrose St., n e cor. Adelaide Ave., two-sty frame dwell.; cost, \$6,000; owner, Frederick E. Shaw; builder, J. M. Buzzell.

Adelphi Ave., n s, bet. Wayland and Elm Grove Aves., one-and-one-half-sty frame dwell.; cost

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(Houses Continued.)

\$3,500; owner, James E. Sullivan; architects, Martin & Hall; builder, A. T. Card.
Pearl St., cor. West Ave., two-and-one-half-sty frame dwell.; owner, James McCaffrey.
Somerville, Mass.—Eastman Pl., dwell.; owner, Mary E. Crawford; builder, J. A. Crawford.
Lexington Ave., dwell.; owner, Catherine P. Ricker; builder, E. J. Ricker.
Conwell St., dwell.; owner and builder, W. L. Glidden.
Irving St., near Holland St., dwell.; owner and builder, J. E. Herrick.
Linden St., dwell.; owner, Catherine Fitzgerald; builder, Sylvester Woods.
Harrison St., dwell.; owner and builder, J. G. Poingdester.
Campbell Park, two dwells.; owner and builder, John K. McGrath.
Porter St., four dwells.; owner and builder, W. H. Bonnell.
Campbell Park, dwell.; owner and builder, W. H. Bonnell.

South Orange, N. J.—Two-and-one-half-sty shingle dwell.; architects, Stephenson & Green, 5 Beekman St., New York City.

St. Louis, Mo.—Three-sty dwell., w s Missouri St., bet. Lafayette and Whitemore Sts.; cost, \$18,000; owner, Chas. Ehlmann; contractor, J. Fitzgibbon.
Two-sty dwell., w s Forest Park Pl. and Boyle Ave.; cost, \$11,000; owner, J. A. Kieselhorst; contractor, C. Valleray.
Two-and-one-half-sty dwell., n s Westminster Pl., bet. King's Highway and Lake Ave.; cost, \$11,000; owner, James King; contractor, Moritz Eysell.
Two-sty dwell., n s Henrietta St., bet. Todd and Compton Aves.; cost, \$4,900; owner, Mrs. E. Winkelmeyn; contractor, Chas. George.
Two-and-one-half-sty dwell., w s Grand Ave., bet. St. Louis Ave. and Dodier St.; cost, \$5,500; owner, Jacob Conrad; contractors, Malhia & Schneider.
Two-sty dwell., n s Gads St., bet. Compton and Todd Aves.; cost, \$4,000; owner, P. Clarke; contractor, C. Dougherty.
Two-sty dwell., Odell St. and King's Highway; cost, \$3,500; owner, A. Daniels; contractor, D. Stern.
Two-sty dwell., n s Morgan St., bet. Sarah and Whitier Sts.; cost, \$6,000; owner, Charter Oak Jur. Co.; contractor, C. B. McCormick.
Two-sty dwell., s s Warren St., bet. Twenty-fifth St. and Jefferson Ave.; cost, \$4,850; owners, Glass Bros.; contractor, Jacob Athens.
Two two-sty dwell., n s Cates St., bet. Clara and Belmont Aves.; cost, \$10,000; owners and contractors, E. C. Gerhard Building Co.
Two-sty dwell., s s Manchester St., bet. Papin and Choteau Aves.; cost, \$5,000; owner, H. E. Better; contractor, R. J. Loyd.
Two two-sty dwells., w s Garrison St., bet. Morgan St. and Lucas Ave.; cost, \$18,000; owner, E. Bridge Hudson; contractors, Kohlmeier & Son.
Two-sty dwell., s s Wabasha St., King's Highway and Euclid Ave.; cost, \$5,000; owner and contractor, Louis Koekeler.
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cost, \$35,000; owner, H. Schuetenberg; contractor, A. Wind.
Two-and-one-half-sty dwell., s s Olive St., bet. Vandeventer and Sarah Aves.; cost, \$11,000; owner, Duetsmann; contractors, St. Louis Mutual House Co.
Two-sty dwell., n s Cabanne Pl., bet. Union and Belt Aves.; cost, \$6,900; owner, Wm. J. Gibson; contractor, Wm. G. Bolson.
Two-sty dwell., n s Allan Ave., bet. Minnesota and Nebraska Aves.; cost, \$5,000; owner, Elna C. French; contractor, J. H. Dunlap.
Two-sty dwell., n s LaSalle St., bet. Second St. and Carondelet St. and Mississippi Ave.; cost, \$7,000; owner, Hy. Heil; contractors, Nicholson Bros.
Two-sty dwell., n s Catoe St., bet. Clara and Goodfellow Aves.; cost, \$3,500; owner, A. T. Hallister; contractor, Thomson.
Two-sty dwell., n s Loclede Ave., bet. Sarah and Boyle Aves.; cost, \$3,500; owner, Aug. Groueman; contractor, C. H. Poertner.
Three-sty dwell., n e cor. Floussant and College Aves.; cost, \$7,448; owner, Mrs. A. Sanders; contractors, Hessinger & Ruif.
Two-sty dwell., n s Milton St., bet. Nebraska and Compton Aves.; cost, \$8,000; owner, Wm. Koeling; contractors, F. Voelfel & Son.
Two-sty dwell., n s Clemens St., bet. Belt and Clara Aves.; cost, \$5,000; owner, A. C. Dollers; contractor, Van Pelt.
Two-sty concrete dwell., Dehodomok St. and Highland Ave.; cost, \$5,000; owner and contractor, A. G. Anderson.
Four two-sty brick dwells., n w cor. Fladd and Cabanne Aves.; cost, \$16,000; owner, F. J. Roe; contractors, Mitchell & Roe.
Two-sty dwell., s s Clemens Pl., bet. Hamilton

BUILDING INTELLIGENCE.

(Houses Continued.)

and Goodfellow Aves.; cost, \$5,500; owner, Herbert Durand; contractors, Neackie Const. Co.
Two-sty dwell., s s Hawthorne St., bet. Compton and Grand Aves.; cost, \$10,000; owner, Chas. Gildhaws; contractors, Schumacher & Waite.
Two-sty dwell., s s Shenandoah St., bet. Virginia and Louisiana Aves.; cost, \$4,500; owner, Mrs. E. Helms; contractor, A. G. Benton.
Two-sty dwell., n s Elmbank St., bet. Newstead and Taylor Aves.; cost, \$3,500; owner and contractor, M. B. Scanlan.
Two-sty dwell., s w cor. Twenty-first and Carr Sts.; cost, \$7,000; owner, Jno. Kinsella; contractors, Michal & Dunn.
Two-sty dwell., n s Lindell St., bet. Newstead and Boyle Aves.; cost, \$18,000; owner, Albert Drey; contractor, H. Thomson.
Two-sty dwell., n s Cook St., near King's Highway; cost, \$7,000; owner, T. A. Harry; contractor, Dufner.
Two-sty dwell., s e cor. St. Louis Ave. and Twenty-third St.; cost, \$13,000; owner, J. H. Kobusch; contractors, Boethe & Rottenmann.
Two two-and-one-half-sty dwell., n s Benton St., bet. Fifteenth and Nineteenth Sts.; cost, \$10,000; owner, S. Strupper; contractors, Boethe & Rottenmann.
Two-sty dwell., s s Shenandoah St., bet. Nebraska and Minnesota Aves.; cost, \$4,500; owner, P. M. Casey; contractors, Dana Bros.
Two-and-one-half-sty dwell., e s McNair St., Victor St. and Grabeis Ave.; cost, \$3,000; owner, Jas. Schavenez; contractors, Klutho & Boike.
Tioga, Pa.—Three two-sty brick and stone dwells.; owner, Mrs. S. J. Newland; architect, Charles W. Bolton, 1510 Chestnut St.

(Houses Continued.)

Worcester, Mass.—Deane St., two-sty frame dwell.; owner, J. A. Sherman; architect, W. H. Harvey; contractor, C. A. Colburn.
 Whitney St., three-sty frame dwell.; owner, J. S. Perry; contractor, F. E. Ladd.
 Oberlin St., two-sty frame dwell.; owner, Mrs. Myria E. Caldwell; contractor, Addison Palmer; architects, Earle & Fisher.
 Camp St., two-sty frame dwell.; owner, T. F. McGauley; day-work.
 Grove St., two-sty frame dwell.; owner, L. E. Eldridge; contractor, H. W. Thayer; architects, Fuller & Delano.
 Eastern Ave., 2 three-sty frame dwell.; owner, J. A. Bjorkman; contractor, J. A. Hedstrom.
 Vinson St., three-sty frame dwell.; owner, C. Petersen; contractor, J. A. Hedstrom.
 Whitney St., three-sty frame dwell.; owner, M. Walsh; contractor, J. A. McDermott.
 Maywood St., two-sty frame dwell.; owner, J. B. Katigan; architect, George H. Clemence; contractor, J. A. McDermott.
 Gilman St., one-and-one-half-sty frame dwell.; owner, J. E. Anderson; day-work.
 Pleasant St., two-sty frame dwell.; owner, F. W. Blenns; architects, Geo. & J. P. Kingston; contractor, W. R. Thomson.
 Locust Ave., one-and-one-half-sty frame dwell.; owner, Geo. Ayer; contractors, Ward & Blanding.
 Pleasant St., two-sty frame dwell.; owners, G. A. Green and L. W. Briggs; contractors, Ward & Blanding.
 Lincoln St., two-sty frame dwell.; owner, E. Buxton; contractors, Ward & Blanding.
 Shattuck St., two-sty frame dwell.; owner, C. F. Rugg; contractor, W. E. Putnam.
 Germain St., two-sty frame dwell.; owner, Henry K. McKlenning; architects, Barker & Nourse; contractor, C. A. Vaughn.
 Colton St., three-sty frame dwell.; owner, P. Kelley; architect, W. H. Harvey; contractor, Eugene Maynard.
 Lewis St., three-sty frame dwell.; owner, James Jackson; architects, Barker & Nourse; contractors, Yates & Delaney.

(Continued in Supplement.)

PROPOSALS.

Treasury Department, Office Supervising Architect, Washington, D. C., July 25, 1893. Sealed proposals will be received at this office until 2 o'clock P. M. on the 30th day of August, 1893, and opened immediately thereafter, for all the labor and materials required to put in place complete a Heating and Ventilating Apparatus in the United States Post-office, etc., Building, at Sacramento, Cal., 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 Sacramento, Cal. No convict labor nor the use of any product of convict labor will be allowed in this work. Each bid must be accompanied by a certified check for a sum not less than two per cent of the amount of the proposal. The right is reserved to reject any or all bids, and to waive any defect or informality in any bid, if it be deemed in the interest of the Government to do so. All proposals received after the time stated will be returned to the bidders. Proposals must be enclosed in envelopes, sealed and marked "Proposal for Heating and Ventilating Apparatus at the United States Post-office, etc., Building, Sacramento, Cal.," and addressed to JEREMIAH O'ROURKE, Supervising Architect.

920

Treasury Department, Office of the Supervising Architect, Washington, D. C., July 27, 1893. Sealed proposals will be received at this office until 2 o'clock P. M. on the 18th day of August, 1893, and opened immediately thereafter, for all the labor and materials required to put in place complete all the plumbing and gas-piping for the United States Court-house and Post-office building at Troy, N. Y., in accordance with the drawings and specification, copies of which may be had at this office or the office of the Superintendent at Troy, N. Y. No convict labor nor the product of any convict labor will be allowed in the work. Each bid must be accompanied by a certified check for a sum not less than two per cent of the amount of the proposal. The right is reserved to reject any or all bids, and to waive any defect or informality in any bid, should it be deemed in the interest of the Government to do so. All bids received after the time stated will be returned to the bidders. Each proposal must be enclosed in envelopes sealed and marked "Proposal for the Plumbing and Gas-piping for the United States Court-house and Post-office building at Troy, N. Y.," and addressed to JEREMIAH O'ROURKE, Supervising Architect.

920

Proposals for Building Material. Office of Building for Library of Congress, 145 East Capitol Street, Washington, D. C., July 31, 1893. Separate sealed proposals will be received at this office until 2 o'clock P. M. on Wednesday the sixteenth day of August, 1893, and opened immediately thereafter in presence of bidders, for furnishing and delivering at the Building for the Library of Congress, in this city, the following materials and work, namely: 1. The ironwork and skylights of the roofs of the west main pavilion and all curtidors, including attic floor-beams, all but the latter to be erected in place complete. 2. The hollow terra-cotta tiles required for all roofs. 3. Tinned sheet copper and rivets for roofs. 4. Cut granite steps, platforms and area copings of light blue color and fine grain. Specifications, general instructions and conditions and blank forms of proposal may be obtained on application to this office. BERNARD R. GREEN, Superintendent and Engineer.

920

Treasury Department, Office Supervising Architect, July 19, 1893. Notice is hereby given of the extension of the time for opening the proposals for Post-office Lock Boxes, Lock Drawers, etc., for Public Buildings for the fiscal year ending June 30, 1894, to 2 o'clock P. M. August 15, 1893, JEREMIAH O'ROURKE, Supervising Architect.

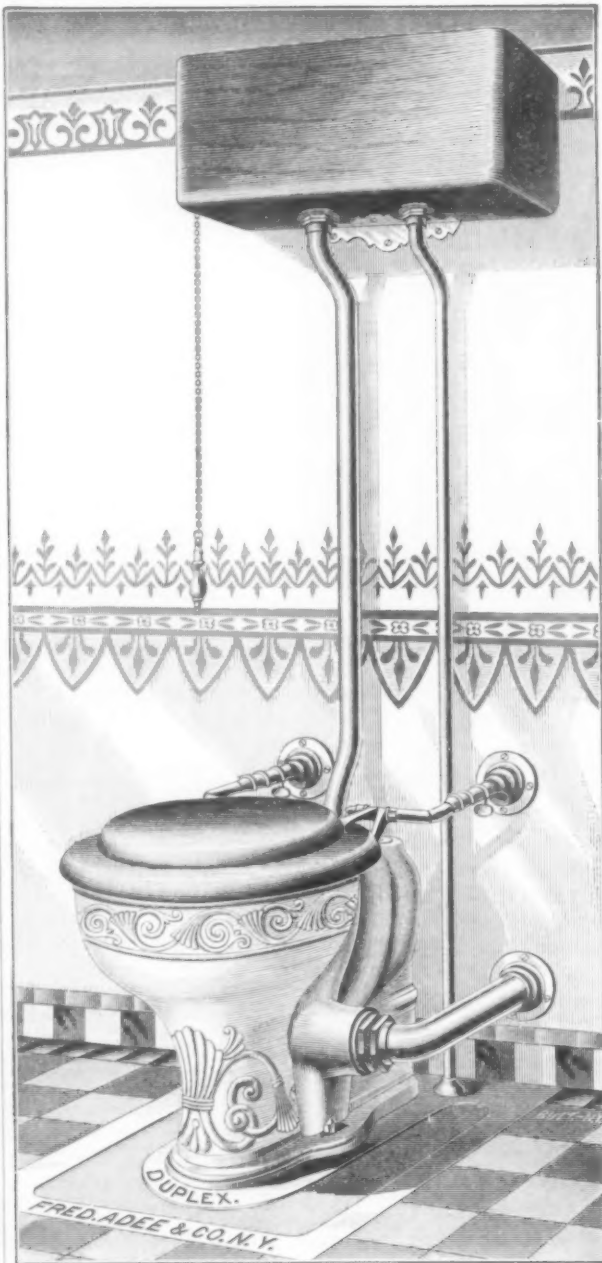
919

Office of the Light-house Engineer, Fifth District, Baltimore, Md., July 24, 1893. Sealed proposals will be received at this office until 2 o'clock P. M. of Tuesday, the 15th day of August, 1893, for furnishing materials and labor of all kinds necessary for the completion and delivery of the metal-work for the foundation pier of Wolf Trap Light-station, Virginia. Plans, specifications, forms of proposal, and other information may be obtained on application to this office. The right is reserved to reject any or all bids and to waive any defects. ERIC BERGLAND, Captain of Engineers, U. S. Army, Light-house Engineer Fifth District.

919

Treasury Department, Office Supervising Architect, Washington, D. C., July 17, 1893. Sealed propo-

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

We consider it much

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

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

Every "Duplex" tested before it leaves our store and warranted.

Send for Circular and Prices to,

FRED ADEE & CO.,
90 BEEKMAN STREET, NEW YORK.

PROPOSALS.

(Proposals Continued.)

sals will be received at this office until 2 o'clock P. M. on the 10th day of August, 1893, and opened immediately thereafter, for all the labor and materials required for the erection and completion of new Boiler-house, new Boiler-plant, etc., for the United States Bureau of Engraving and Printing at Washington, D. C., in accordance with the drawings and specification, copies of which may be had at this office. No convict labor nor the product of any convict labor will be allowed in the work. Each bid must be accompanied by a certified check for a sum not less than two per cent of the amount of the proposal. The right is reserved to reject any and all bids, or to waive any defect or informality in any bid, if it be deemed in the interest of the Government to do so. All bids received after the time stated will be returned to the bidders. Proposals must be enclosed in envelopes sealed and marked "Proposal for New Boiler-house and New Boiler-plant for the United States Bureau of Engraving and Printing at Washington, D. C.," and addressed to JEREMIAH O'ROURKE, Supervising Architect.

919

Treasury Department, Office Supervising Architect, Washington, D. C., July 21, 1893. Sealed proposals will be received at this office until 2 o'clock P. M. on the 16th day of August, 1893, and opened immediately thereafter, for all the labor and materials necessary to put in place complete the iron columns of the basement and sub-basement, basement and first-floor beams, etc., of the United States Post-office, Court-house and Custom-house building at St. Paul, Minn.,

PROPOSALS.

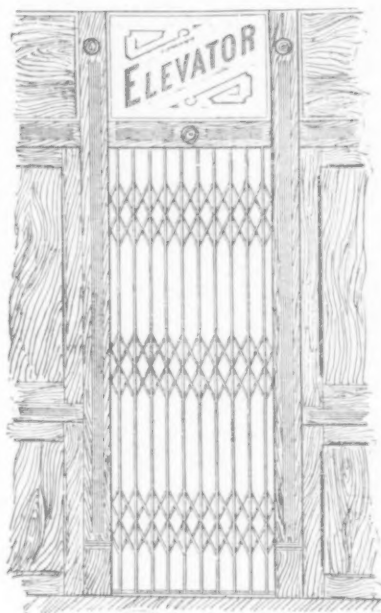
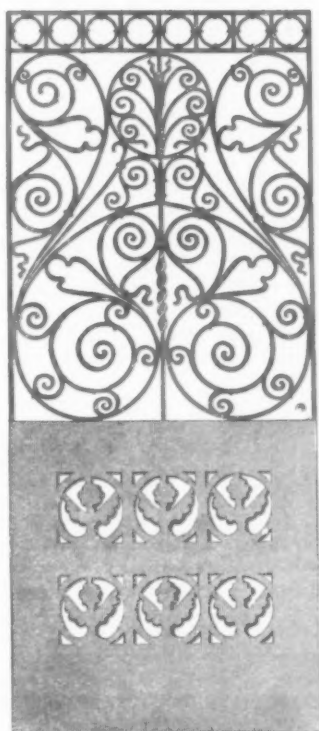
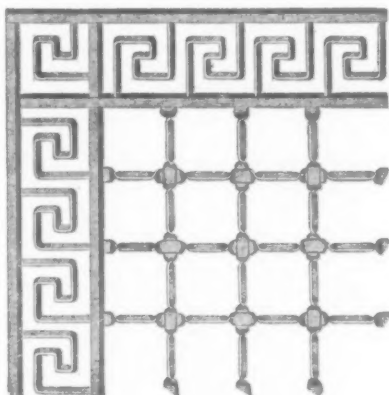
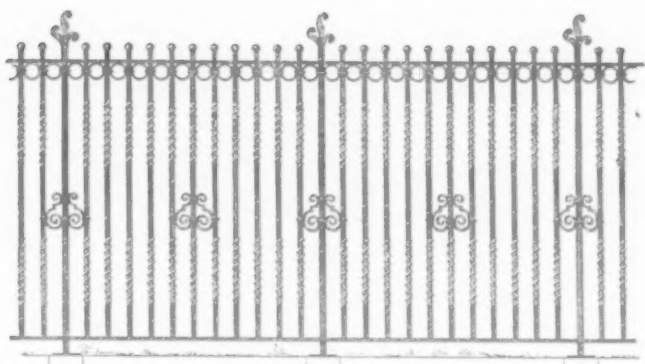
(Proposals Continued.)

in strict accordance with drawings and specification, copies of which may be obtained at this office or the office of the Superintendent at St. Paul, Minn. No convict labor nor the product of any convict labor will be allowed in the work. Each bid must be accompanied by a certified check for a sum not less than two per cent of the amount of the proposal. The right is reserved to reject any or all bids, or to waive any defect or informality in any bid, should it be deemed in the interest of the Government to do so. All bids received after the time stated will be returned to the bidders. Proposals must be enclosed in envelopes sealed and marked "Proposal for the Iron Columns of the Basement and Sub-basement, Basement and First-floor Beams, etc., for the United States Post-office, Court-house and Custom-house at St. Paul, Minn.," and addressed to JEREMIAH O'ROURKE, Supervising Architect.

919

Office of the Light-house Engineer, Fifth District, Baltimore, Md., July 24, 1893. Sealed proposals will be received at this office until 2 o'clock P. M. of Tuesday, the 15th day of August, 1893, for furnishing the materials and labor of all kinds necessary for the construction, erection and sinking at the site of the foundation pier for the Wolf Trap Light-station, Virginia. Plans, specifications, forms of proposal, and other information may be obtained on application to this office. The right is reserved to reject any or all bids and to waive any defects. ERIC BERGLAND, Captain of Engineers, U. S. A., Light-house Engineer Fifth District.

919



Telephone 890 18th Street.

THE
WILLIAM R. PITT
COMPOSITE
IRON WORKS

202 Fifth Ave.

New York, July 1st 1893.

The Bostwick Patent Steel Folding Gates are the best for all Elevator enclosures and Store-fronts. A good Bostwick Gate placed on the elevator car will prevent accidents and injury to passengers.

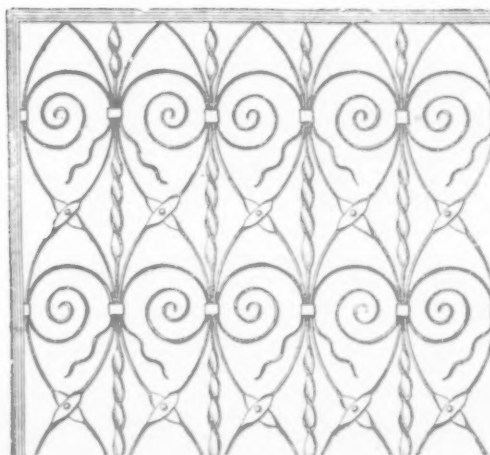
We also manufacture Artistic Iron Work, Driveway Gates, Gates, Wrought Iron Railings and all kinds of Architectural Iron Work.

We will be glad to estimate on work designed by you but if you have not time to make your own designs we will make special designs for you, or if you will call at our office corner of 5th Ave and 25th Street we will show you some beautiful examples of wrought iron work.

Yours Truly

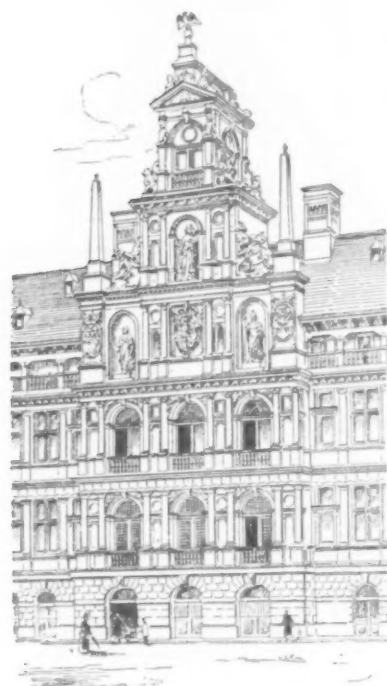
WM. R. PITT COMPOSITE IRON WORKS.

Wm R Pitt Jr.





Town Hall, Leyden, Holland.



Town Hall, Antwerp, Belgium.

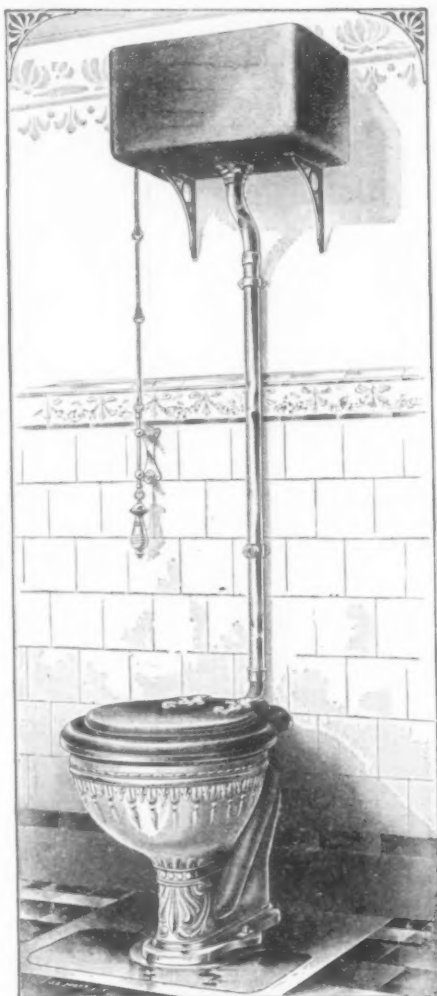


Communal Building, Anderlecht, Belgium.



Town Hall, The Hague, Holland.

TOWN-HALLS.



Copyright, 1893, by THE J. L. MOTT IRON WORKS.
PLATE 1134-G.

The J. L. MOTT IRON WORKS,

84-90 Beekman Street, New York.
311-313 Wabash Avenue, Chicago.

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

Doubtless,

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

WHY?

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

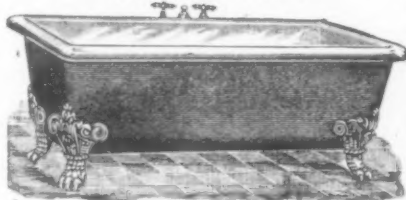
THE "PERFECTO" SEAT.

(Patent applied for.)
WALL-LINE



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PLATE 1139-G.

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ROLLED RIM, Porcelain-lined Iron Bath.

A NEW BATH, DOES AWAY ENTIRELY
WITH WOODWORK. ALWAYS SWEET AND
CLEAN. CANNOT GET OUT OF ORDER,
AND IS PRACTICALLY INDESTRUCTIBLE.

HAINES, JONES & CADBURY CO.,

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"THE CAST SINK MUST GO"

THE COLUMBUS WROUGHT STEEL SINK DISPLACES,
ALL OTHERS

PAINTED, GALVANIZED, ENAMELLED.

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

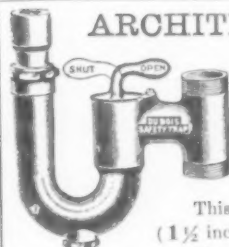


For venting, use vent-top.

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



For venting, use vented outlet



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SHOULD EXAMINE THE

Du Bois "SAFETY" TRAP

An Entirely New Article in the Plumbing Line.

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

"EJECTOR" Faucets

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

DRAWN LEAD TRAPS AND BENDS.

McCLELLAN

Anti-siphon Trap Vent.

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

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New
Form, with
Glass
Bottom.

BUILDING SUPERINTENDENCE.

THE BEST AND LATEST TREATISE ON

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Clear, Reliable, and Complete.

Price, \$3.00.

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THE ONLY GALVANIZED IRON VENTILATOR
IN USE ON THE WORLD'S FAIR BUILDINGS.

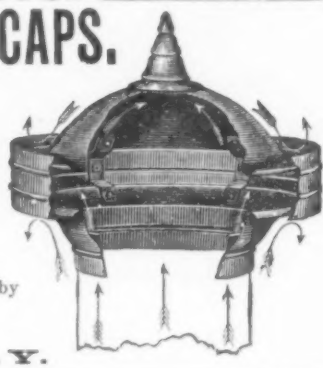
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Perfectly Ventilated. Smoky Chimneys Cured.
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Send for Catalogue C and Working Model. Manufactured and for sale by

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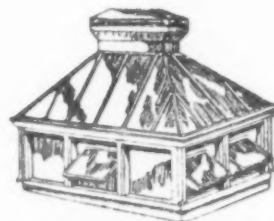
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As a Lining in Walls and Floors for preventing the
ESCAPE OF WARMTH AND THE DEADENING OF SOUND.
SAMPLE AND CIRCULARS FREE.

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Prices given on application.

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FRONT BRICK

BUFF, BROWN, MOTTLED YELLOW,
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OTHER COLORS.

BOSTON TERRA-COTTA COMPANY.

Architectural Terra-cotta

In all its varied colors and forms.

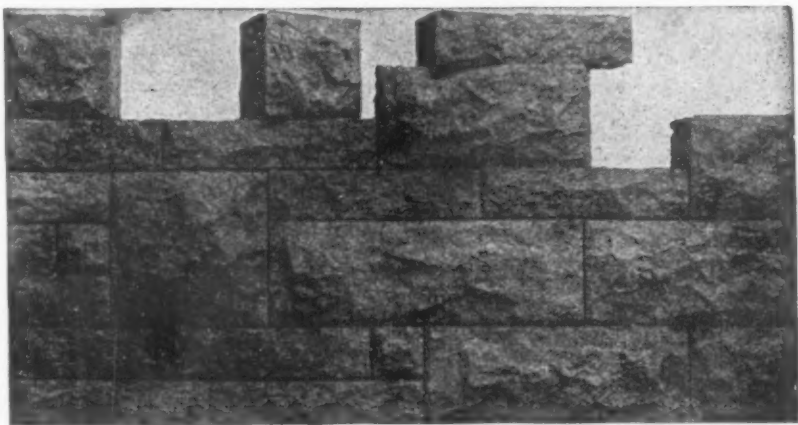
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The Boston Brick Ashlar.



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

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in all colors known in clay manufacture, and in great variety
of form and finish, by the following

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

[See Alphabetical Index on page VII for Pagination.]

Classified Advertisements.

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

Air Valves.
Hodge Bros., Boston, Mass.
Antisouls.
W. H. Schieffelin & Co., New York, N. Y. (cont)
Annunciators.
W. R. Osterlander & Co., New York
Architects.
Bailey & Truitt, Philadelphia, Pa. (mon)
Architect's Materials.
Front & Adams, Boston. (cont)
Architectural Sheet-Metal Ornamental Works.
W. H. Mullins, Salem, O.
Artificial Stone.
John Pavement Co., New York, N. Y. (cont)
Asbestos Felt & Boiler Coverings.
H. W. Johns Mfg. Co., New York
Asbestos Felt.
H. F. Watson Co., Erie, Pa.
Asbestos Paint.
H. W. Johns Mfg. Co., New York
Asphalt.
Neuchatel Asphalt Co., New York
New York Asphalt Works, New York, N. Y.
Asphalt Roofing.
Warren Chemical & Mfg. Co., New York
Basin Cocks.
Stephens Mfg. Co., Brighton, Mass. (cont)
Bath-Tub.
Fred. F. Buehler & Co., Chicago, Ill. (mon)
Miller & Costes, New York
J. L. Mott Iron Works, New York
Standard Mfg. Co., Pittsburgh, Pa. (cont)
Bells.
Blake Bell Co., Boston, Mass.
Blue Prints.
Spaulding & Moss, Boston, Mass. (cont)
Boilers.
Hobcock & Wilcox Co., New York
Harrisonburg Boiler Mfg. Co., Harrisonburg, Pa.
Randolph & Clowes, Waterbury, Conn.
Books and Journals.
Hobcock & Wilcox Co., New York
Wm. T. Comstock, New York
Hessling & Spielmeier, New York, N. Y.
Ticknor & Co., Boston

Brass Goods.
J. B. Shannon & Sons, Philadelphia. (mon)
Brick Ashlar.
Fiske, Homes & Co., Boston
Brick (Colored).
Jarden Brick Co., Philadelphia, Pa.
Brick (Ornamental).
Fleming Cement & Brick Co., New York. (cont)
W. H. Getts, Boston, Mass.
Hydraulic Press Brick Co., St. Louis
Peerie & Brick Co., Philadelphia, Pa.
Walsh Bros., Boston
Brick Machine.
The Troy, Sheehy Co., Bucyrus, O. (cont)
Bronze and Brass Work.
Bureau Bros., Philadelphia, Pa. (mon)
M. J. Power, New York
Building Papers.
B. W. Johns Mfg. Co., New York
Paul E. Cabaret, New York, N. Y.
Building Felt (Fire and Waterproof).
H. W. Johns Mfg. Co., New York
Building Felt.
H. F. Watson Co., Erie, Pa.
Ceilings (Metal).
New York Metal Ceiling Co., New York, N. Y.
H. S. Northrop, New York, N. Y. (mon)
The Kinnear & Gager Co., Columbus, O. (cont)
Cement (Hydraulic).
F. O. Norton Cement Co., N. Y.
Cement.
Alsen's Cement Works, New York, N. Y. (cont)
Brooks, Sheehy & Co., New York
Dickinson Bros. & King, New York
Fleming Cement & Brick Co., New York. (cont)
Johnson & Wilson, New York
J. B. King & Co., New York
Lawrence Cement Co., New York, N. Y.
E. Thiele, New York, N. Y.
Chimney Tops.
H. M. Hansen, Chicago, Ill. (mon)
Chrome Steel Castings.
Chrome Steel Works, Brooklyn, N. Y. (cont)

Clay Shingles.
Clay Shingle Co., Indianapolis, Ind.
Climax Rail.
Crane & Hapin, New York, N. Y. (cont)
Conductors (Water).
W. Austin Oddy & Co., Philadelphia
Boston Spiral Tube Works, Boston
Solderless Standing-Seam Conductor Co., Allegheny, Pa.
Conservatories.
George Hill, New York, N. Y.
Consulting Engineer.
Lord & Barnham Co., Irvington-on-Hudson, N. Y.
Contracting.
Flynt Building & Construction Co., Palmer, Mass.
Cordage.
Samson Cordage Works, Boston. (cont)
Crescote Stains.
H. Cabot, Boston, Mass.
Coverings (Boiler & Pipe).
H. W. Johns Mfg. Co., New York, N. Y.
Decorators.
L. Habertrub & Son, Boston
Donald McDonald, Boston
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Lane Bros. Poughkeepsie, N. Y.
Door-Knobs.
J. Bardeley, New York, N. Y.
Drawing Ink.
Chas. M. Higgins, Brooklyn, N. Y.
Drawing Instruments.
Theo. Aldender & Sons, Philadelphia, Pa. (cont)
Electrical Contractors.
J. Jones & Son, New York, N. Y.
Electric Switch.
Cutter Electrical & Mfg. Co., Philadelphia, Pa.
Elevators, etc.
Grass Elevator Co., Chicago, Ill.
Graves Elevator Co., Rochester, N. Y.
Volney W. Mason & Co., Providence, R. I.
Moore & Wiman, Boston

Elevator, etc. (Continued).
Store, Williams & Co., Philadelphia
Orie Brothers & Co., New York
Springfield Foundry Co., Springfield, Mass.
Standard Elevator Co., Chicago, Ill.
Whittier Machine Co., Boston
Elevator Cars and Enclosures.
J. E. Bolles & Co., Detroit, Mich. (cont)
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The Engineering Employment Bureau
Engines (Steam Pumping).
Delamater Iron Works, New York
Rider Engine Co., New York
Fan (Ventilating).
Huett & Smith Mfg. Co., Detroit, Mich.
Fireproof Building.
Henry Maurer, New York
Pioneer Fireproof Construction Co., Chicago, Ill.
J. J. Rehlinger, New York. (cont)
Fireproof Construction.
Guastavino Fireproof Construction Co., N. Y.
Fireproof Lathing.
Hayes Metallic Lathing, New York
Prince & Muir, New York, N. Y.
Floors (Hardwood).
The Interior Hardwood Co., Indianapolis, Ind.
Wood Mosaic Co., Rochester, N. Y. (cont)
Floors (Inlaid).
National Wood Mfg. Co., N. Y.
Force Pump.
Wm. Powell Co., Cincinnati, O. (cont)
Gas-Machines.
Tutill Gas-Machine Co., New York
Gates.
Wm. B. Pitt, New York, N. Y. (mon)
Glass (Beut).
M. A. Smith, Newark, N. J.
Glass (Stained and Ornamental).
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Donald MacDonald, Boston
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FIRE-PROOF BUILDING MATERIAL
Of every description. Hollow Brick made of Clay for Flat Arches, Partitions, Furring, etc.
Porous Terra-Cotta, Fire-Brick, etc., etc.
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CONSTRUCTION CO.
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MANUFACTURERS AND CONTRACTORS
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FOR FIREPROOFING BUILDINGS.

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FREESTONE.
G. P. SHERWOOD, 34 Pine St. New York

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Quarrymen & Miners of
RED SANDSTONE.
Contractors for CUT STONE WORK.

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

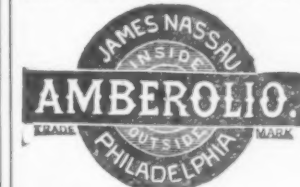
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Potsdam Red Sand Stone
— ALSO —
Richville White Marble.

STONE CUT AND DELIVERED
READY TO SET IN BUILDINGS.

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POTSDAM, N. Y. AGENTS,
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Fine Art Foundry,
218 East 25th Street, New York.
Artists' Models cast in Standard Bronze.
Architects' Designs Executed.
Artistic and Enduring Monuments
in Granite and Bronze.
No Catalogues.
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WE FINISH THAT DETERMINES SUCCESS." Architects
and Builders would have this crowning feature in the
specification and adoption of
NASSAU'S AMBEROLIO FINISHES.



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Philadelphia, Pa.
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They are acknowledged
everywhere as the best
Varnishes extant, combining
the greatest durability and perfection
in finish to be attained

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(Advertisers can be indexed only under a single
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E. A. Jackson & Bro., New York, N. Y.
Wm. H. Jackson & Co., New York.
Hard Oil Finish. Berry Bros., Detroit, Mich.
Hardware.
Burditt & Williams, Boston, Mass.
Hardware. (Art.)
Vale & Towne Mfg. Co., Stamford, Ct.
Harness Brackets.
Jas. J. Read, Boston.
Heating and Ventilating.
Smith & Anthony Stove Co., Boston.
Heating Apparatus (Steam).
Gorton & Liddellwood Co., New York.
N. Y. Central Iron Works Co., Geneva, N. Y.
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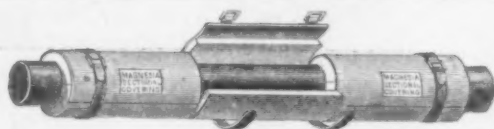
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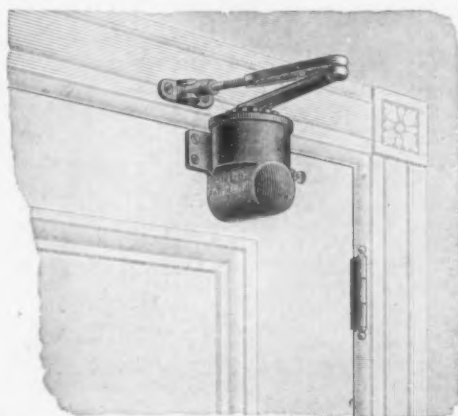
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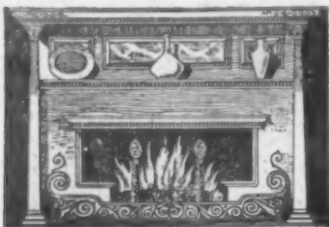
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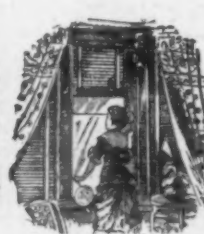
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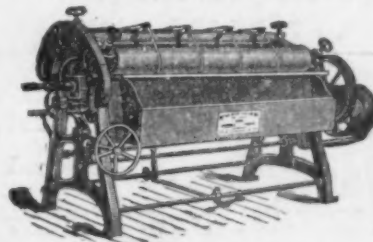
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No. 134.

SATURDAY, AUGUST 5, 1893.

VOLUME XL.
No. 919.

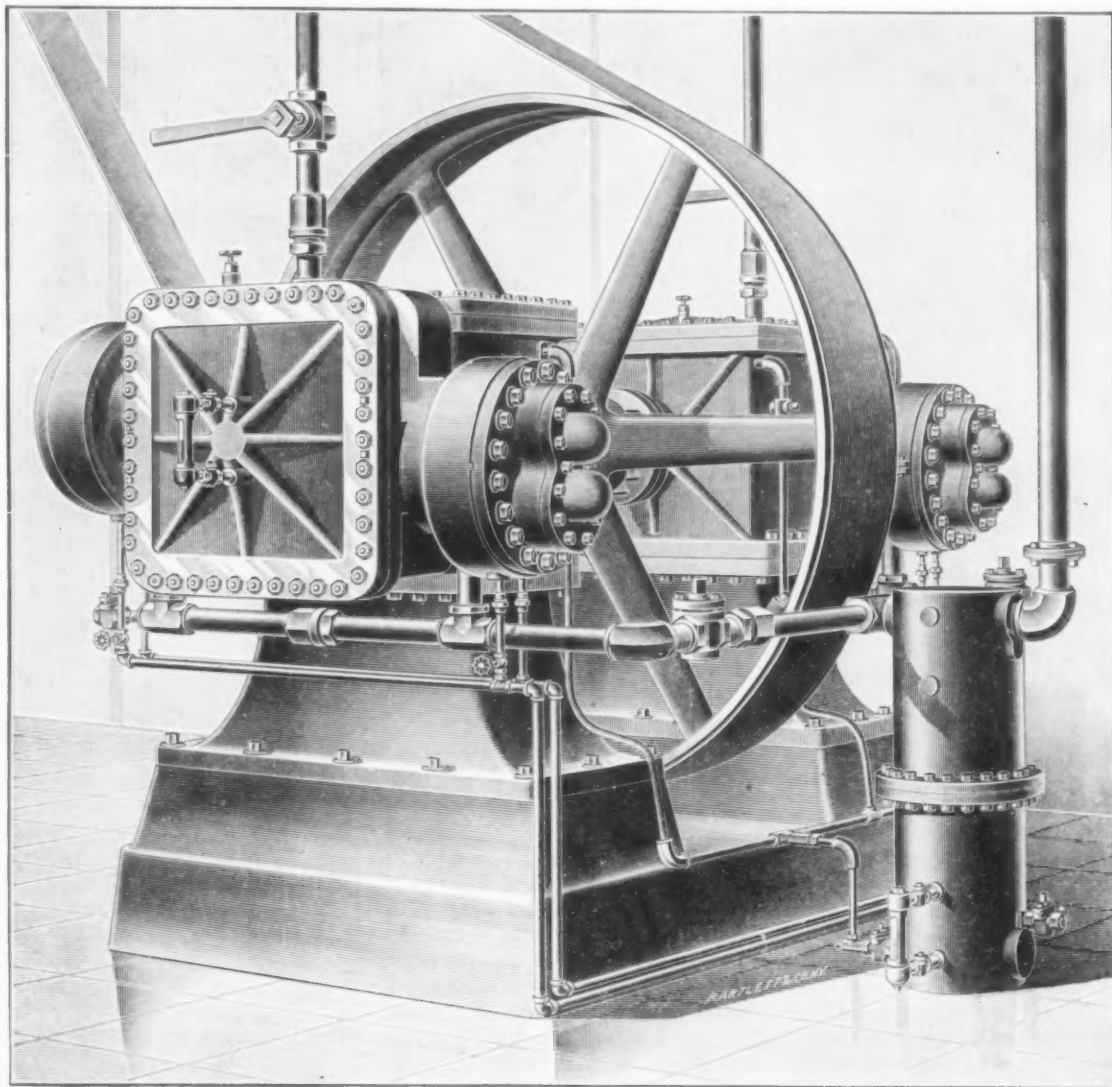
ARTIFICIAL COLD.

BEST METHOD OF SUPPLYING IT — A NEW
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THE manufacture and use of artificial heat is of every-day comprehension, and is indispensable in the most ordinary relations of civilized life. The manufacture and use of

eration reduced, its area of utility extended, so that it soon absorbed the field of direct refrigeration. Not only this, but it worked its way geographically from warm climates into cold ones, until artificial refrigeration is indispensable in many industries, and artificial ice a common article of merchandise. It is not a little surprising, however, to see the manu-

and wide, for reasons which are more directly obvious, and it may be fairly stated that the time has come when artificial cold in either of its applications is shown to be more manageable, more satisfactory on grounds of hygienic safety and convenience, and more economical in its results, than the crude forms of cooling by natural ice heretofore in vogue.



artificial cold, although equally as simple and available, is a generation or two later in history, and, in fact, is just now approaching the culmination of its practical application. The first general application of artificial cold was in the manufacture of ice, and naturally this had its origin in warm climates. As the process became simplified and its cost of op-

ufacture of artificial ice steadily force its way against the apparent "natural monopoly" of the natural product. But such is incontestably the fact, and not only has artificial ice become a necessity in interior cities, but is rapidly securing a foothold in the frozen regions of New England itself. The extension of artificial refrigeration is even more rapid

The well-known firm of engineers, Westinghouse, Church, Kerr & Co., are generally credited with a quick perception of a public demand, and good judgment as to the best method of supplying it. It is not surprised, therefore, to find them entering the field of artificial refrigeration with a new and characteristic apparatus which gives

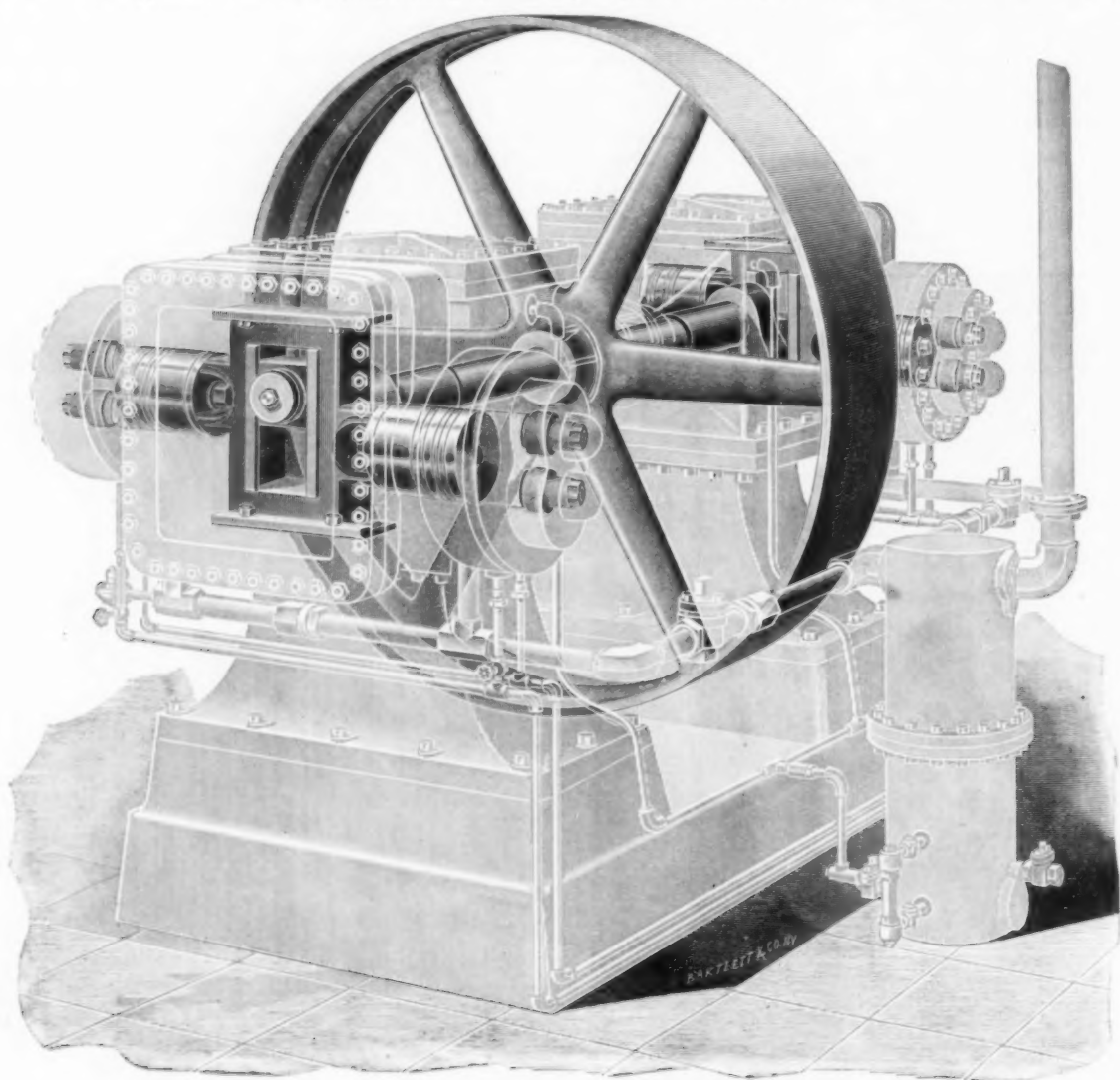
evidence of a sound mechanical discrimination.

We take pleasure in reproducing from a recent circular issued by us two or three general illustrations of the apparatus employed. Reviewing the circular very briefly, it would appear that the general extension of the field of artificial refrigeration has been thus far prevented by the fact that the apparatus employed is in the nature of the case cumbersome and expensive in first cost, and more or less complex in its operation. This has not been a practical objection so long as its use was confined to large enterprises, like ice-making plants, cold-storage warehouses, breweries, etc. In these industries the refrigerating-plant has the benefit of abundant capital to install it and plenty of attention to maintain it. The apparatus hitherto de-

come apparent. Compression hitherto has been, almost without exception, driven by some form of direct-connected engine, which is virtually a part of the machine. It is obvious that a compressor which could be belt-driven from any existing source of power, or from any form of engine or electric motor, would find a market from which it was debarred when a special engine was a necessity. To accomplish this, increased rotative speeds were necessary, which in turn led to the necessity of extreme compactness and rigidity, and above all to a distribution of the compression strains with some degree of uniformity over the whole circle of revolution. This has been accomplished in the new form of compressor, which may be described in a word as a "double-duplex." Each side carries two single-acting cylinders opening into a crank-

on the inside and outside of the yoke relieve the cylinders of wear and take care of the side thrust. The entire working-parts revolve in an enclosed chamber filled with oil, not only reducing the friction and wear to a minimum but serving as a seal against the escape of free ammonia. The suction and delivery valves are in the head and can be removed and replaced in a few minutes. The cylinder itself is bushed with a heavy cast-iron sleeve which can be removed in case of wear. The space around the sleeve forms a water-jacket.

The solid connection of the pistons and yoke, without intermediate pin or brasses, provides that the total distance from head to head of the pistons can be finished so that the clearance space is not only made practically zero but maintains itself naturally without



signed has been of such a nature that its cost, when reduced to plants of moderate or small capacity, has been entirely disproportionate, and thus the limit of its marketability has been quickly reached.

All sorts of attempts have been made to design a compression system in which the large units might be subdivided without a material increase of cost per ton of capacity, but the designers seem to have failed to get out of the old ruts, not having apparently grappled with the problem in its original principles.

The firm above named has, with characteristic boldness, begun at the beginning, and sized up the requirements without much reference to existing forms of construction. We illustrate the compressor, both by a general view and transparent view, showing its working parts, from which its simplicity will be-

chamber and supported on a pedestal, the two pedestals being bolted to a massive common base. By thus bringing the cylinders and shaft close together the long connections with piston-rods and crossheads, and the cumbersome frames which they make necessary, are done away with, as are also the stuffing-boxes which are a source of unqualified annoyance.

It will be noted that the two cylinders of each crank-chamber are not in line with each other, but are placed respectively above and below the centre line by a distance equal to one-half of the crank radius. The effect of this is to improve the angle of thrust of the crank as the resistance of compression increases toward the end of the stroke.

Motion is transmitted to the pistons through a massive yoke on the opposite side of which they are directly unbolted. Adjustable gibs

suffering from increase due to wear. It is well understood that upon this matter of clearance the efficiency of a compressor largely depends. The two cranks being at right angles, the four resisting strains are equally distributed through the entire revolution, so that the compressor runs without any surge upon the belt, and with a degree of friction which is apparently insignificant as compared with any other form of apparatus.

The important principle of subdivision of units, which has made for itself a fixed place in many departments of steam-engineering, is now for the first time applied in its full value to refrigeration. Instead of a single unit of, for instance, sixty tons, two units of thirty tons, three units of twenty tons, or four units of fifteen tons may be employed, just as the best consideration of local conditions may

determine. Of course, the risk of loss from stoppage is subdivided in proportion to the number of units, and a spare unit can be kept in reserve at small cost. Moreover, most plants either for refrigeration or ice-making, vary in their required capacity between very wide limits at different seasons of the year. By subdividing the units the initial capacity of the plant is made to keep pace with the fluctuating requirements with no more trouble than is involved in the shifting of a clutch or the stopping of an engine.

The saving of space is a very marked advantage in this design. The ordinary compressor is a two-story machine, and with its horizontal engine cuts heavily into the floor-capacity of a building. With the type of compressor here illustrated the whole apparatus can be erected in a basement or sub-basement, leaving the receiving or working floors of the building unobstructed.

The subdivision of units also implies practical flexibility as to enlargement. It is seldom that a manufacturer can forecast his requirements in any department, and particularly is this true of refrigeration. If he is compelled to purchase his whole capacity in a single unit, it may prove to be too large, and he suffers in economy; or, as his business increases, it will be too small, in which case the remedy is found only in a disproportionate additional expenditure. By the employment of sub-divided units the manufacturer may install with reference to his immediate and definitely known capacity, with a certainty that he can increase, from time to time, at a cost which is strictly proportional to the increase of his requirements. This feature is of large importance in almost any industry employing refrigeration, but it is particularly so in the manufacture of artificial ice, in which the ultimate growth of the demand is almost an indeterminate quantity.

The condenser illustrated shows equal evidence of a thorough understanding of the problem involved. The usual form of condenser employs horizontal coils of pipes, water being led on at the top and spattering down over the coils, falling from pipe to pipe. A large percentage of the water is thus wasted. The coils themselves are usually continuous with welded joints, making them expensive in first cost, expensive to repair, expensive to increase and without flexibility under variable loads.

The condenser here shown is in sections, strictly uniform and in duplicate. They are, therefore, carried in stock, and in setting up the condenser a given number of sections are merely placed in position and bolted together. If the plant is to be enlarged more sections are added. If any section becomes disabled it can be taken out and replaced without loss of time. If the work becomes light in the winter season any number of sections can be

cut out of service. The whole condenser occupies a minimum of floor-space.

Its particular advantage, however, is in the use of water. Instead of dashing wastefully from pipe to pipe, as with horizontal coils, the water is delivered to the top of the pipe down which it slowly creeps in the form of a thin film without any loss from spattering. Partial evaporation takes place, which is promoted by a casing surrounding the entire condenser. The latent heat of the water is thereby partly utilized, and an economy results which is stated to be greatly superior to that of any other form of condenser, often resulting in a saving of two-thirds of the water otherwise employed.

The manufacture of artificial ice is one of

or to be made artificially on the spot. Artificial ice is invariably made from distilled, re-boiled water, doubly filtered through charcoal, and the product is thereby as nearly pure as any form of commercial treatment can make it.

Artificial refrigeration is an application scarcely less interesting. Not only is it very much cheaper as a rule than natural ice but it gives that which cannot be obtained in any other way—a dry, pure, atmosphere. The dampness inevitable with the use of ice is entirely absent, making it possible to preserve many goods that moisture would speedily ruin, and to preserve all goods much sweeter and for longer time.

Moreover, natural ice, especially for cooling purposes, is often harvested from impure

ponds or canals, so that when it melts it necessarily fouls the air or leaves a deposit of filth behind it, impregnating and rotting all the wood with which it comes in contact and damaging the goods in storage. The moisture-laden air soon becomes thoroughly impregnated with the volatile products of the provisions stored, in time taking on the smell of rancid oil which can easily be detected on entering the storerooms. This rancid vapor is a favorable medium for the generation of disease-germs, all of which is coming to be well recognized. In artificial refrigeration all vapor, pure or otherwise, is taken from the air and deposited upon the chilled surface of the pipes, where the temperature is so low that the noxious germs, if present, are powerless for evil. The air of such a storeroom is sweet and dry, much resembling that of the high table-lands of the West, where meat will desiccate without decay in the open air, owing to the absence of moisture.

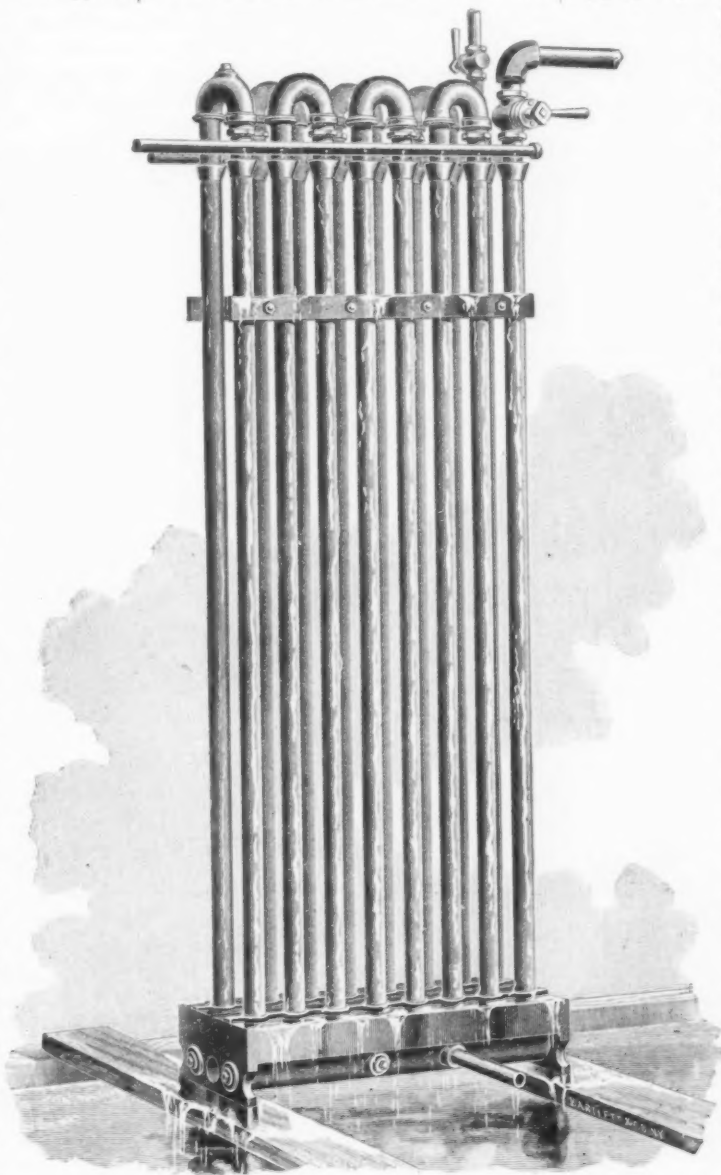
Sudden transitions from moderately warm to excessively hot weather, and vice versa, are well known to injure some classes of merchandise more than a steady temperature many degrees higher. By artificial refrigeration these and all other conditions are

constantly under control.

The field for artificial refrigeration seems to be endless, including markets, creameries, refineries, chemical-works, wine-cellar, confectioners, steamers, hotels, hospitals, apartment-houses, safe-deposit companies (for storage of furs), and similar industries in which it has not thus far been available, to say nothing of cold-storage warehouses, breweries, packing-houses, etc., in which it has already become an established necessity.

WESTINGHOUSE, CHURCH, KERR & CO.,
620 ATLANTIC AVE., BOSTON, MASS.

PRICE list No. 6 has just been issued by the Okonite Company Limited from the New York headquarters, 13 Park Row. It is a pamphlet of over fifty pages, containing a fund of



the most attractive applications of refrigerating apparatus. It is particularly so at this time when combinations among the natural-ice companies have defeated the efforts of Dame Nature. Further than this, in the densely populated districts the natural sources of ice-supply are so rapidly deteriorating that the sanitary question has been made the subject of legislative action. In some districts the harvesting of local ice is already prohibited, and many municipal governments are compelling an inspection of ice under chemical analysis. The Massachusetts State Board of Health has taken the lead in this important investigation, out of which has come a state of public feeling which will either compel the ice to be brought long distances from apparently pure sources of supply,

valuable information concerning the celebrated product of the Company and should be in the hands of every one interested in the perfect insulation of telephone, telegraph, electric-light and power wires and cables. The covers are rich in appearance and elaborately designed and show a lithographed title into which the well-known Okonite trademark enters conspicuously, the whole showing off finely on a gold background. There is also a view of the Company's works at Passaic, N. J. and Manchester, Eng.

A LARGE GLASS ROOF.

THE New York Industrial Building (Grand Central Palace) occupies the entire block, bounded by Lexington Avenue, Depew Place, and 43d and 44th Streets, adjoining the Grand Central Depot, New York City. It covers an area 200 x 275 feet, with a floor-space of 310,000 square feet. A notable

which are three-inch angle-iron purlins. Upon these are secured the immediate bearings for the glass, which are the guttered bars and horizontal framework so arranged that they permit the collection and discharge of all vapor or moisture which may condense upon the underside of the glass. The arrangement involves an intricate application of the system and embodies special features not before employed in glass-roof construction. The supporting trusses perform the dual function of sustaining the roof ceiling as described, and also of supporting the floor to the summer garden, which is to form one of the most attractive features of the building. The arrangement as embodied in this building was conceived by L. R. Mestanz, a member of the Industrial Association. The structural iron-work was carried out by Charles O. Brown, Civil Engineer of the Riverside Bridge & Iron Works, Paterson, N. J., and the super-

pressure," as we shall place but one grade of valve on the market, and that suitable for any pressure.

We have made a most wonderful improvement in the manufacture of a rubber compound for use on high-pressure steam. For nearly two years we have been using and testing this rubber compound in the manufacture of Jenkins's Discs, and the results have been more than satisfactory. We have passed the experimental stage.

We take pleasure in offering to users and the trade, the improvements made in the manufacture of our goods, without any additional increase in selling price.

We consider the information regarding the rubber compound of great value to users of that class of goods, especially when you consider that a rubber compound can be successfully manufactured for use in valves on high temperature. It is the result of years' con-

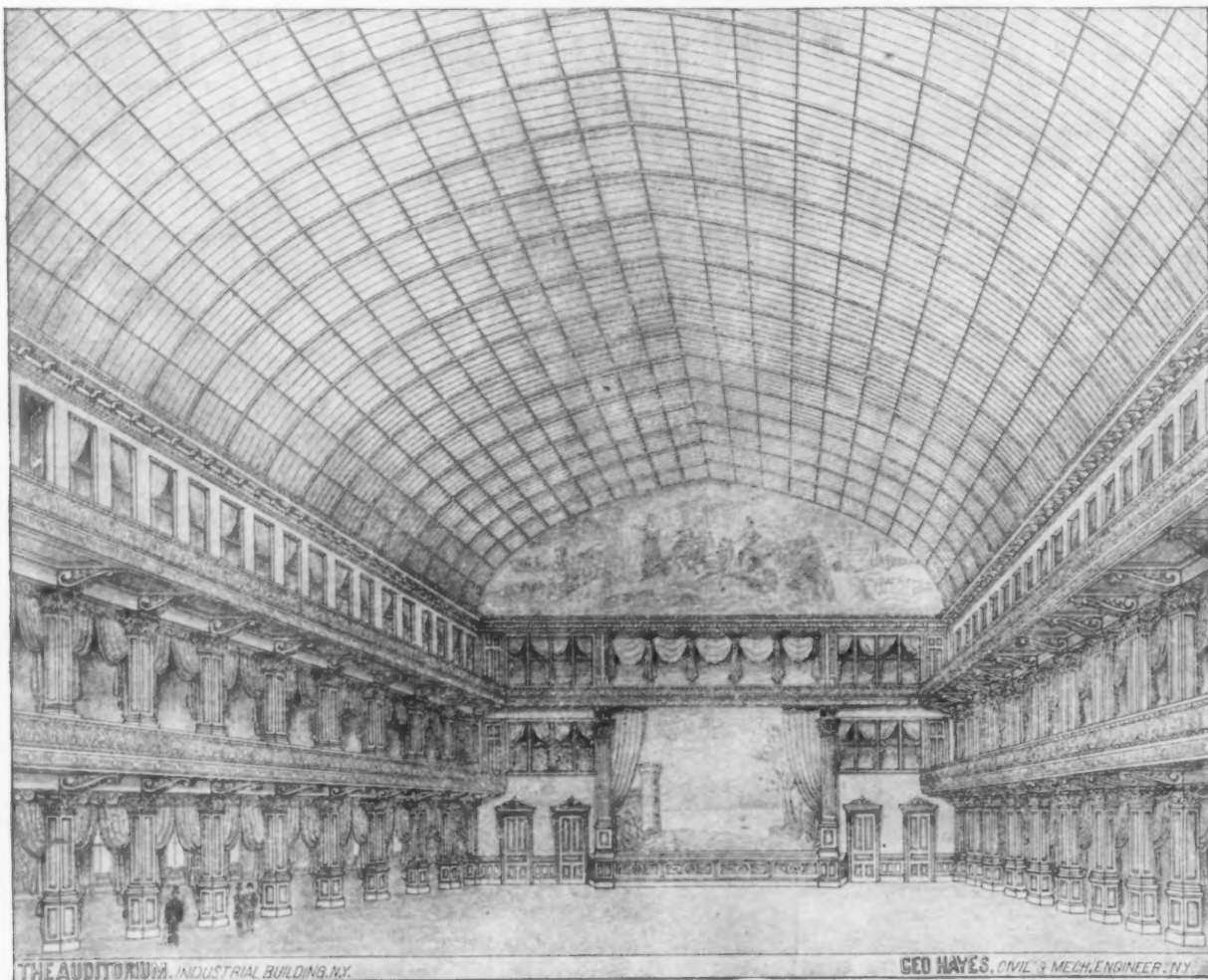


Fig. 1. Interior View.

feature of this building is the glass arch over the auditorium, which has a clear span of 84 feet, and is 155 feet in length. The two large illustrations presented herewith give some idea of the extent of this roof and the methods of its construction. Figure 1 is an interior view of the auditorium, while Figure 2 is a sectional view through the building, illustrating the method of supporting the glass roof, which embodies a peculiar adaptation of the Hayes System of Iron and Glass Roof. It is at the same time an arched ceiling and roof of glass, supported by seven pin-connected steel trusses, each weighing seventeen tons, which rest upon the walls above the glass work and are not seen from below. Another feature to which particular attention is directed is that no shadows are cast. From these trusses are suspended six-inch steel ribs, transversely to

structure of glass by George Hayes, New York City.

GEORGE HAYES,
NEW YORK, N. Y.

STEAM VALVES.

NEW YORK, N. Y., July 8, 1893.

TO THE EDITORS OF THE AMERICAN ARCHITECT:—

Dear Sirs,—We have recently made great improvements in Jenkins Bros.' Valves, having adopted a new form of holding the disc-holder in place, having increased the number of bolts in valve bonnets, and have also increased the thickness of flanges, so that we offer to users, valves suitable for high steam-pressure. It is our intention to manufacture but one grade of valve, so that it will not be necessary for our customers to mention "Valves for high steam-

stant labor that has produced the result. It is the greatest advancement we have ever made in the manufacture of our specialties.

JENKINS BROS.,
NEW YORK, N. Y.

ASBESTOS BOILER COVERING.

New York, N. Y., July 19, 1893.

TO THE EDITORS OF THE AMERICAN ARCHITECT:—

Dear Sirs,—We take the following from a recent issue of *Iron Age*:—

"The new gunboat '*Machias*,' in her recent speed trial, accomplished the unprecedented feat of beating her guaranteed speed by nearly two and one-half knots, winning \$45,000 premium for her builders."

The boilers, steam-pipes, etc., of this boat are covered with our Asbestos Fire-felt

Covering. A mention of this in your valuable columns may be of interest to your readers.

Yours truly,
H. W. JOHNS MFG. CO.,
NEW YORK, N. Y.

U. S. MAIL CHUTE.

By request of the Hon. Director-General of the World's Columbian Exposition, the Cutler Patent Mailing System, or U. S. Mail Chute, is to be seen in use in the four pavilions of the Administration Building, the Mail Boxes being of fine marble with real bronze trimmings, to show what can be done in the

P. O. DEPT., WASHINGTON, D. C.,
July 15, 1893.

Gentlemen:—Replying to your favor, it gives me great pleasure to comply with your request to express myself as to the value to the public and the postal service of the Cutler Patent Mailing System or the U. S. Mail Chute.

It seems to me that the strongest testimony that I can bear to the value of the system is simply to state that by its use in nearly five hundred buildings, averaging seven stories each, the mail deposited in thirty-five hundred mailing-openings is collected by the Department from only five hundred boxes.

improved devices in use in New York City, and some in other cities, and they are working satisfactorily, many of them under difficult conditions. In some cases there are only a few inches of space between the door and the wall, and it has not been necessary to cut the wall. In other cases the doors are very large and consequently heavy and in others the elevators travel at a high speed and in fact there seems to be no condition too difficult to meet. To interested parties the manufacturers will be pleased to give references, and any other information desired.

L. P. FRINK, 551 Pearl St., New York,

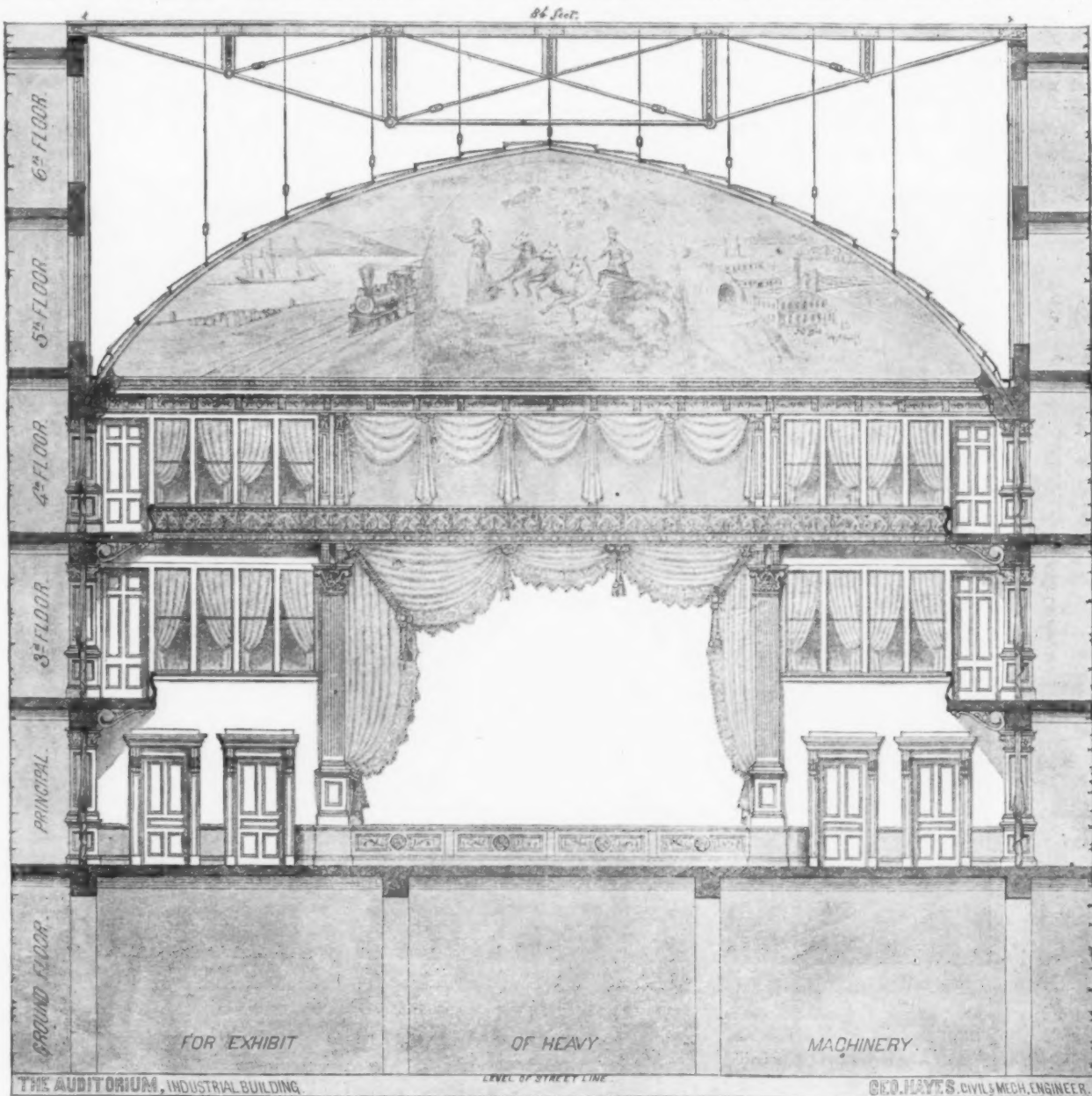


Fig. 2. Sectional View.

way of embellishment of an apparatus which is conceded to be one of the most useful of those now available in commercial buildings and hotels. We have also an exhibit showing what may be called "stock" or regular finish, in the gallery of the Liberal Arts Building, at Sec. E. U 108, and by request of the Post-office Department of the United States, another exhibit in the Government Building, near the World's Fair Post-office.

The attention of architects and others interested is called to these exhibits, as well as to more than 500 office-buildings and hotels equipped. Circulars giving full information on request.

CUTLER MFG. CO.,
ROCHESTER, N. Y.

In this way the mail from office-buildings and hotels is collected with the smallest possible expense to the Government, and with a promptness and efficiency which, so far as I know, is not to be realized under any other plan.

Very truly yours,
(Signed) WM. J. POLLOCK,
Sup't. Free Delivery System.

NOTES.

For a number of years Bardsley Bros., 147 to 151 Baxter Street, New York, have made a special study of the subject of automatic covers for freight elevator-shafts, and claim that they have solved a problem which has been a puzzle to manufacturers in that line. They have a considerable number of their

makes a specialty of designing electric and other reflectors to order to secure the best distribution of light when the purposes and dimensions of a Hall, Church, Theatre or other large building are given. The reflectors manufactured by this house have been largely sold, not only in America, but abroad. Among recent buildings supplied are 35 prominent churches in various parts of the country; the Gallery of Fine-Arts, World's Fair, Chicago; the State-House at Columbus, Ohio; the Chicago Art Institute; Convention-Hall, Saratoga and other large buildings.

STEEL CEILINGS.

The adjoining illustration is from a photograph of the Steel Ceiling lately placed in the

First National Bank at Paterson, N. J., by H. S. Northrop, Manufacturer of Stamped Ceilings at No. 30 Rose Street, New York. The various patterns of the Ceiling are of his "Empire Style." The panels are 2' x 2' and 2' x 4' and 1' deep. Mr. Northrop has the largest and best variety of panels with Borders, Cornices, etc., to suit, of any one in this rapidly growing business. He has recently established a branch office at No. 4 Liberty Square, Boston, and his agent there is fully employed.

H. S. NORTHROP,
NEW YORK, N. Y.

A WORK OF ART DESTROYED.

In the burning of the Hercules iron-works cold-storage building at the World's Fair a short time ago, the magnificent statue of Columbus, recently manufactured and owned by W. H. Mullins, at Salem, Ohio, was destroyed. This stood at the main entrance of the building, and in the excitement and

(Houses Continued.)

Kelton St., near Wheatland Ave., Ward 24, frame dwell., 25' x 37'; owner, C. B. C. Manson; builder, W. A. Lent.
Boylston St., opp. A St., Ward 23, frame dwell., 37' x 41'; owner, L. C. Hersey; builder, J. P. Campbell.
Catawba St., near Laurel St., Ward 21, two frame dwells., 22' x 51.6'; owner, Nahum Wood; builder, W. T. Eaton.
Catawba St., Nos. 28-30, Ward 21, two frame dwells., 21' x 46'; owners, W. T. Eaton and S. H. Burns; builder, W. T. Eaton.
Harrison St., near Walnut Ave., Ward 21, frame dwell., 28.8' x 46.2'; owner, Joseph Stone; builders, Ourish & Rich.
Cobden St., near Washington St., Ward 21, three-st'y frame dwell., flat roof, 24' x 59'; owner, Lucy E. Brown; builder, John Brown.
Hove St., near Hancock St., Ward 24, frame dwell., 25.6' x 33.5'; owner, W. A. Spooner; builder, W. J. Jobling.
Townsend St., near Walnut Ave., Ward 21, frame dwell., 33' x 50'; owner, G. W. Gregory; builders, Ourish & Rich.
Albano St., near Birch St., Ward 23, frame dwell., 25' x 32'; owner, Joseph Fish; builder, B. J. Moxom.
Westville St., cor. Head St., Ward 24, frame dwell., 24' x 40'; owner, Mrs. M. J. Head; builder, M. McLaughlin.
West Eagle St., No. 55, Ward 1, frame dwell., hip roof, 21' x 47'; owner, W. Ross; builder, W. Goodwin.
Lawrence St., near Main St., Ward 5, three-st'y frame dwell., flat roof, 27' x 44'; owner, Hugh Lyons; builder, M. Welch.
Lawrence Ave., Nos. 28-30, Ward 24, two frame

(Stores Continued.)

Ingraham St., n e. cor. Bogart St., three-st'y brick store and dwell., tin roof; cost, \$8,000; owner, A. Rock, 89 Throop Ave.; architect, Frank Holmberg, 1169 Broadway.
Seventh Ave., w s. 25' n Thirteenth St., 3 four-st'y brick stores and dwells., tin roofs; cost, \$7,000 each; owner and builder, A. G. Calder, 420 Eighth St.; architect, Wm. Calder, 371 Sixth St.
Myrtle Ave., n s. 80' 9" w Pearl St., five-st'y brick store and dwell., tin roof; cost, \$12,000; owner, E. Zemmerli, 21 Myrtle Ave.; architect, C. F. Eisenach, 59 Court St.
New York, N. Y.—*West Broadway*, No. 54, five-st'y brick store, tin roof; cost, \$10,000; owner, Thomas C. Oakley, 24 East Fifty-seventh St.; architect, Bruno W. Berger, 104-106 Bible House.
Clinton Pl., No. 16, four-st'y brick store, tin roof; cost, \$12,000; owner, Washington H. Taylor, 14 Clinton Pl.; architect, Louis F. Heinecke, 62 Bowery St.
Bleecker St., Nos. 127-135, 2 seven-st'y brick stores, tin roof; cost, \$150,000; owner, Louis M. Jones, 802 Lexington St.; architects, Cleverdon & Putzell, 13 Astor Pl.
Harrison St., s w cor. Staple St., two-st'y brick store, tin roof; cost, \$120,000; owner, Joseph J. O'Donohue, 5 East Sixty-ninth St.; architect, Wm. Schickel, 246 Fifth Ave.
Hudson St., Nos. 77-79, six-st'y brick store, tin roof; cost, \$10,000; owners, Welsh & Tweddle, 233 Greenwich St.; architects, M. & B. Ferdon, 265 West Thirty-fourth St.

TENEMENT-HOUSES.

Boston, Mass.—*Prince St.*, No. 80, Ward 7, four-st'y brick tenement, flat roof, 27' x 80'; owners, H. & I. Romanow.



Steel Ceiling in the First National Bank, Paterson, N. J. Manufactured by H. S. Northrop.

heroic efforts by firemen and others to save human life, this beautiful work of art was forgotten and destroyed beyond any possibility of being restored to its former beauty. Although the statue was destroyed, we are glad to learn there are three others in existence made from the same model, one adorning the park at New Haven, Conn., another in the grounds of an art school at Columbus, O., and the third at Phillipsburg, N. J.

BUILDING INTELLIGENCE.

Reported for the American Architect & Building News.

HOUSES.

Boston, Mass.—*Josephine St.*, near Geneva Ave., Ward 24, frame dwell., 22.10' x 34'; owner, Mrs. H. Dancett; builder, G. H. Dancett.
Freeman St., near Faulkner St., Ward 24, frame dwell., 26' x 45'; owner, T. F. Mackie; builders, H. S. & N. Clark.
Columbia St., near Wales Pl., Ward 24, three-st'y frame dwell., flat roof, 23' x 51'; owner, A. L. Forbush; builders, McKay Bros.
Neponset Ave., near Boutwell St., Ward 24, frame dwell., 40' x 45'; owner, G. H. Frost; builder, T. H. Kingston.

dwells., 28' x 44'; owner, William Phipps; builder, E. M. Chapman.
Bennington St., No. 216, Ward 1, three-st'y frame dwell., flat roof, 21.6' x 44'; owner, Mrs. R. E. Eton; builder, David Porter.
Cambridge St., opp. Saunders St., Ward 25, two frame dwells., 22.6' x 48'; owner and builder, James Mains.
Whitney St., Nos. 24-26, Ward 22, two frame dwells., 21' x 35'; owner, Ann Hynes; builder, W. J. O'Brien.
Cottageside St., off Cottage St., Ward 24, frame dwell., 22' x 50'; owner and builder, B. J. Moxom.
Alleghany St., No. 3, Ward 22, three-st'y frame dwell., flat roof, 23' x 42'; owner, R. W. Newton; builder, W. Ballantyne.
Gaston St., near Blue Hill Ave., Ward 21, frame dwell., 27' x 41'; owner, Peter Graffam; builders, Vaughn & Silver.
West Fifth St., Nos. 238-240, Ward 12, 2 three-st'y frame dwells., flat roofs, 20' x 44'; owners, Pierce Bros.; builder, W. T. Eaton.
Rockland St., near Peaceable St., Ward 25, four frame dwells., 19' x 40'; owner, H. E. Martin; builder, G. Wentworth.
Kennett Square, Pa.—Brick dwell.; owner, James Miles.

STORES.

Brooklyn, N. Y.—*Osborn St.*, e s. 225' n Blake Ave., three-st'y frame store and dwell., tin roof; cost, \$6,000; owner, Morris Klankenstein, East Broadway, New York City; architect, Louis Danancher, 31 Watkins St., Brooklyn.
Morgan Ave., w s. 50' n Harrison Pl., 3 three-st'y frame stores and dwells., tin roofs; cost, \$4,800 each; owner, Henry Eppig, 350 Melrose St.; architect, Th. Engelhardt, 905 Broadway.

Wadsworth St., near Saratoga St., Ward 1, two-st'y frame tenement, flat roof, 20.6' x 30'; owner, Madelene Stevens; builder, G. C. Doyle.

New York, N. Y.—*Stebbins Ave.*, w s. 32' n One Hundred and Sixty-seventh St., 3 three-st'y brick tenements, tin roof; cost, \$13,500; owner, F. F. Wilson, Stebbins Ave. and One Hundred and Sixty-seventh St.; architect, J. J. Vreeland, 711 East One Hundred and Seventy-seventh St.

One Hundred and Forty-eighth St., s e 94' w Courtland Ave., four-st'y brick tenement, tin roof; cost, \$14,000; owner, Adolph Hank, 582 East One Hundred and Forty-eighth St.; architect, A. F. A. Shmitt, 604 Courtland St.

WAREHOUSES.

Brooklyn, N. Y.—*Flushing Ave.*, s w cor. Ryerson St., five-st'y brick storage warehouse, tin roofs; cost, \$45,000; owner, Wm. B. A. Jurgens, Bushwick and Greene Aves.; architect, Th. Engelhardt, 905 Broadway.

Cincinnati, O.—H. Helle, four-st'y brick and stone warehouse, n e cor. Walnut St.; cost, \$10,000; architect, Dan. Seger.

Eagle White Lead Co., three-st'y brick and stone warehouse, s e Broadway; cost, \$10,000; architect, Wm. Ruerbaugh.

MISCELLANEOUS.

Boston, Mass.—*Water St.*, near Keyes St., Ward 23, one-st'y brick valve house and one-st'y brick gasometer, 87 6' diameter; owners, Jamaica Plain Gaslight Co.; builders, Davis & Farnum.

Cambridge St., near Charles River, Ward 25, one-st'y brick generator-house, pitch roof, 63.4' x 99.4'; owners, Brookline Gaslight Co.

Mill St., near Webster St., Ward 2, one-st'y brick

DYCKERHOFF PORTLAND CEMENT

Is superior to any other Portland Cement made. It is very finely ground, always uniform and reliable, and of such extraordinary strength that it will permit the addition of 25 per cent more sand, etc., than other well-known brands, and produce the most durable work. It is therefore the most economical to use. 8,000 barrels have been used in the foundations of the Statue of Liberty. Architects and those interested in Portland Cement will please send for my pamphlet, which will be mailed free on application. It contains valuable directions for the employment of Portland Cement, a table of results of the strength of the Dyckerhoff Cement when mixed with sand and broken stone in various proportions, together with tests and testimonials of eminent Engineers, Architects and Consumers.

E. THIELE, 78 William St., New York.
SOLE AGENT FOR THE UNITED STATES.

BUILDING INTELLIGENCE.

(Miscellaneous Continued.)

storage, flat roof, 72' x 1113'; owners, National Dock and Storage Co.; builders, Flynt Building and Construction Co.

Brooklyn, N. Y.—*Vesta Ave.*, e s, 100' n Atlantic Ave., one-st'y frame coal pocket, gravel and felt roof; cost, \$4,600; owners, Hatford & Ackerman, 2475 Atlantic Ave.; architects, The Construction Co., 1 Broadway, New York City.

Lexington Ave., s s, e Grand Ave., brick power-house, iron and wood roof; cost, \$10,000; owner and architect, Edison Co., 360 Pearl St.

Camden, N. J.—*Federal and Fourth Sts.*, plans for a four-st'y stone and brick building, slate roof, for the Young Men's Christian Association; architects, Moses & King, 431 Walnut St.

Chicago, Ill.—*A. Plamondon*, elevator; 1259-1271 Harvard St.; cost, \$20,000.

N. H. Purrell & Co., five-st'y elevator and malt-house; One Hundred and Twenty-third St., and South Park Ave.; cost, \$20,000.

Frank Marshall, two-st'y elevator; Wabash R. R. and Forty-sixth St.; cost, \$10,000.

Cincinnati, O.—*Mary Holroyd Estate*, brick and stone flower-market, Sixth St.; cost, \$10,000; architects, Sam Hannaford & Sons.

Detroit, Mich.—*Henry Carew & Co.*, brick brewery, Jefferson Ave.; cost, \$20,000.

Elizabeth, Pa.—Brick building for the Alexian Brothers' Hospital.

Lancaster, Pa.—Brick and stone buildings for the Reformed Theological Seminary.

Madison, Pa.—Dormitory.

Milton, Pa.—*Broadway cor. Front St.*, building.

New York, N. Y.—*Broadway*, Nos. 157-163, ten-st'y brick workshop, gravel roof; cost, \$75,000; owner, S. Rawster & Co., 138 Duane St.; architects, Brunner & Tryon, 36 Union Square.

Fifty-sixth St., n s, 320' e Second Avenue, six-st'y brick workshop, tin roof; cost, \$20,000; owner, T. Shriver & Co., 686 Park Ave.; architects, Rouppe & Stever, 48 Exchange Pl.

Greenwich St., No. 807, five-st'y brick workshop, metal roof; cost, \$20,000; owner, William H. Cowl, Garden City, L. I.; architects, Geo. B. Snook & Son, 126 Chamber St.

Cherry St., Nos. 229-231, seven-st'y brick workshop, tin roof; cost, \$25,000; owners, Weil & Mager, 227 East Sixtieth St.; architects, Schneider & Herter, 48 Bible House.

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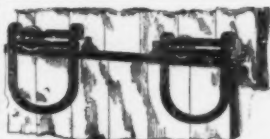
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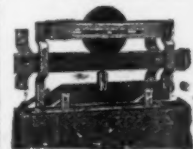


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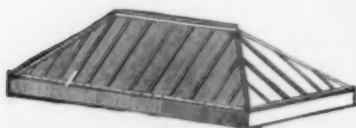
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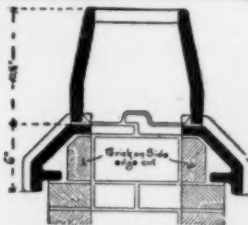
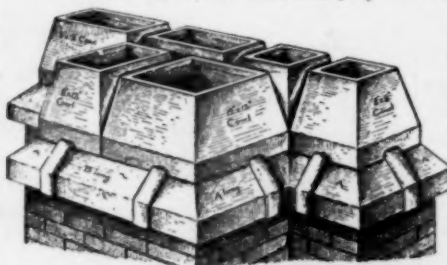
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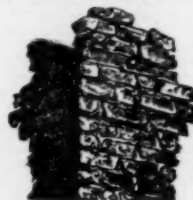
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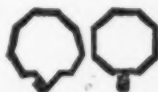
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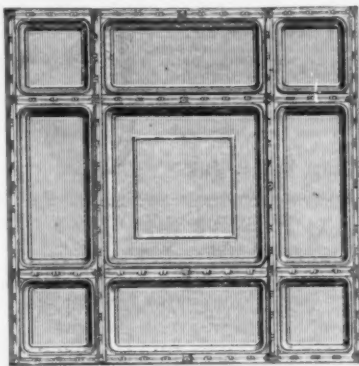
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Yellow pine.....

Cypress.....

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Spruce.....

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Pine.....

Spruce.....

Hemlock.....

Yellow pine.....

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Spruce.....

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65 00 @ 75 00 55 00 @ 70 00 42 00 @ 50 00 48 00 @ 55 00

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18 00 @ 22 00 35 00 @ 40 00 14 00 @ 20 00 30 00 @ 35 00

25 00 14 50 @ 25 00 Not sold. 16 00 @ 20 00

ea 13 1/2 @ 14 13 00 @ 15 00 @ 12 00 11 25 @ 13 50

20 @ 40 25 00 @ 35 00 21 00 @ 34 00 14 00 @ 29 00

31 00 @ 40 00 18 00 @ 34 00 @ 35 00

38 00 @ 60 00 19 00 @ 24 00 14 00 @ 25 00

23 00 @ 38 00 Not sold. Not sold.

12 00 @ 17 50 25 00 @ 37 50

Not sold. 16 00 @ 18 00

10 00 @ 13 00 13 00 @ 17 00

24 00 @ 34 00 22 00 @ 28 00

2 25 @ 2 50 @ 2 65 2 75 @ 3 00

2 35 @ 3 00 Not sold. 2 30 @ 3 00

5 00 @ 6 00 @ 4 50 Not sold.

4 00 @ 5 00 2 00 @ 3 15

1 50 @ 2 00 1 50 @ 00 Not sold.

1 40 @ 1 60 3 75 @ 4 00 6 00 @ 7 50

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40 00 @ 60 00 60 00 @ 70 00 17 00 @ 35 00 70 00 @ 80 00

45 00 @ 50 00 150 00 @ 160 00 110 00 @ 170 00 150 00 @ 250 00

@ 180 00 120 00 @ 350 00 200 00 @ 250 00 200 00 @ 400 00

45 00 @ 50 00 45 00 @ 50 00 12 00 @ 20 00 25 00 @ 55 00

@ 70 00 @ 50 00 17 00 @ 27 00 42 50 @ 55 00

@ 70 00 50 00 @ 55 00 16 00 @ 28 00 45 00 @ 55 00

@ 90 00 65 00 @ 75 00 34 00 @ 40 00 60 00 @ 75 00

50 00 @ 65 00 25 00 @ 28 00 57 50 @ 65 00

65 00 @ 70 00 33 00 @ 50 00 @ 65 00

60 00 @ 70 00 60 00 @ 70 00 per M. 600 00 60 00 @ 75 00

@ 6 32 00 @ 35 00

125 00 @ 150 00 85 00 @ 120 00 40 00 @ 75 00 50 00 @ 170 00

45 00 @ 50 00 40 00 @ 45 00 14 00 @ 30 00 25 00 @ 40 00

@ 45 00 40 00 @ 42 00 31 00 @ 34 00 @ 42 00

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Pale.....	2 50 @ 2 75		Eastern } 9 00 @ 10 00	Building Brick	Sq. Hard @ 9 00
Jersey.....	4 75 @ 5 25			● 5 00	Salmon @ 7 00
Long Island.....					" @ 5 00
Up River.....	4 75 @ 5 50				Sq. " @ 9 00
Haverstraw Bay Bl.....	5 00 @ 5 25		Domestic Com. 9 50 @ 10 00	Indiana Pressed 14 00 @ 20 00	Light Stretchers @ 10 00
" 1st.....	5 50 @ 5 75		Domestic Face 20 00 @ 22 00	St. Louis Fronts @ 27 00	Medium " @ 12 00
Hollow.....	● 13 00		Philadelphia 40 00 @ 45 00		Red " @ 13 00
Fronts:			Phila. mould 50 00 @ 80 00		Dark " @ 13 00
Croton.....	9 00 @ 12 00			15 00 @ 27 00	Pressed 18 00 @ 20 00
" dark.....	10 00 @ 13 00			65 00 @ 350 00	Best Paving @ 14 00
" red.....	10 00 @ 13 00			● 55 60	Second " @ 13 00
Chicago pressed (Anderson).....				45 00 @ 50 00	Third " @ 12 00
" Moulded.....				45 00 @ 25 00	Dom. { @ 65
Baltimore.....	37 00 @ 41 00			60 00 @ 100 00	{ @ 82
Philadelphia.....	23 00 @ 24 00			30 @	
Trenton.....	● 19 00			35 @	
Milwaukee.....				58 00 @ 65 60	
Moulded:					
Glens Falls Red Pressed.....	● 37 00				
" Buff.....	● 30 00				
" Moulded Red & Buff.....	45 00 @ 70 00				
Enamelled: Imp.....				● 100 00	
Enamelled (edge).....	85 00 @ 100 00			● 120 00	
Enamelled (edge and end).....	90 00 @ 115 00				
CEMENT, LIME, etc.—(P cont.)					
Rosendale Cement.....	95 @ 1 10		1 15 @ 1 25	Not sold.	1 30 @ 1 50
Louisville.....			Brooks, S. & Co.	1 05 @ 1 15	BS & Co 2 75 @ 3 00
Utica, Akron, Buffalo, Milw'kee.	Not sold.		2 40 @ 2 75	1 00 @ 1 10	2 85 @ 3 25
Portland, English (Gibbs).....	2 25 @ 2 50		2 40 @ 2 75	3 00 @ 3 10	2 85 @ 3 15
" (K. B. & S.).....	2 50 @ 3 00		2 40 @ 2 75	3 00 @ 3 25	2 75 @ 3 00
" Black Cross.....	2 25 @ 2 50		2 40 @ 2 75	3 00 @ 3 25	2 85 @ 3 15
" (Burnham).....	2 80 @ 2 50		2 40 @ 2 75	2 90 @ 3 15	2 75 @ 2 85
" (White's).....	2 65 @ 3 00		2 40 @ 2 75	3 00 @ 3 25	
" French (Lafarge).....	3 60 @ 3 75		3 00 @ 3 50	3 75 @ 4 25	
" German (Alsen).....	2 90 @ 3 25			3 20 @ 3 30	
" (Fowler).....	2 25 @ 2 40			3 20 @ 3 40	
" (Vorwöhler).....	2 50 @ 2 90		Cleopatra	●	2 50 @ 2 75
" (Lagerdoff).....	●		2 40 @ 2 75	2 75 @ 3 00	2 75 @ 2 85
" (Dyckerhoff).....	2 60 @ 2 90		3 00 @ 3 50	3 25 @ 3 50	2 60 @ 2 75
" (Hanover).....	2 50 @ 3 00		Condor 2 50 @ 2 75	Not sold.	3 00 @ 3 25
" Stettin (Anchor).....	2 35 @ 2 85		Wedge 2 40 @ 2 75	Not sold.	2 75 @ 2 85
" American (Saylor's).....	2 15 @ 2 25		2 15 @ 2 50	2 60 @ 2 70	2 70 @ 3 00
Roman.....	2 75 @ 3 00		● 3 50	2 75 @ 3 25	3 00 @ 3 50
Keene's coarse.....	4 50 @ 5 50		● 6 00	6 00 @ 7 00	6 50 @ 7 00
" superfine.....	5 00 @ 5 50		7 00 @ 9 00	9 00 @ 10 50	8 00 @ 9 00
Lime:					
Hydraulic Lime.....	3 50 @ 4 00		● 1 35	Not sold.	White Lime P bush 25 @ 30
Chicago Lime in bulk.....	● 1 45		St. John 1 00	60 @ 70	{ White Mash 1 25 @ 1 50
Wisconsin Lime.....				60 @	{ 1 00 @ 1 00
Rockland and Rockport, (Conn.).....	● 90		● 1 05	Not sold.	
Rockland and Rockport, (Finch).....	● 1 00		● 1 10	Not sold.	
Kelley Island Lime, finish.....	●		● 1 20	Not sold.	
State, com. cargo rates (nom.).....	80 @ 85		Not sold.	1 00 bulk, 75c.	Not sold.
State, finishing.....	1 05 @ 1 10		Not sold.	Not sold.	Not sold.
Plaster of Paris (calcined).....	1 40 @ 1 50		1 85 @ 2 00	1 85 @ 1 90	1 50 @ 2 25
" (casting).....	● 1 60		● 2 25	1 85 @ 1 90	1 75 @

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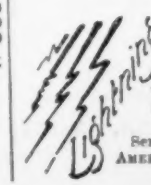


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Block.....	4 60	2 00	Conshocken	1 45	2 50
Rubble.....	1 25	1 50	8 50	37	50
Blue stone: (P sq. ft.)					
Sidewalk.....	30	5 00	40	1 75	1 in. th. 37
Planed.....	50	6 00	40	75	37
Sandstone:					
Longmeadow.....	80	80	90		
Kibbe.....	90	90	1 10		
Brown (Connecticut).....	1 00	1 25	1 45	1 50	2 00
Amherst Ohio.....	90	90	1 00	45	50
Berea.....	75	1 00	85	50	55
Brillia.....	75	1 00	80	50	55
Belleville.....	80	1 25	1 35	55	65
New Brunswick (Dorchester).....	80	1 00	75	90	1 00
Caen.....			2 00		1 25
Carlisle, English.....	1 05		1 05		95
Corse Hill (Scotch).....	1 05		1 05		95
Marble: (P cu. ft.)					
Lee, Mass.....		1 75	2 50	Not Sold.	2 00
Rutland, white and blue.....			3 00	3 50	2 00
Sutherland Falls.....	1 25	1 75	2 00	3 50	1 70
Glens Falls, black.....				Not Sold.	4 00
Italian, blue-veined.....				Not Sold.	4 40
" Sienna.....				Not Sold.	4 40
" Tennessee, red.....				Not Sold.	4 40
" Knoxville.....				Not Sold.	4 40
Pennsylvania, blue.....				Not Sold.	2 00
Vermont, white.....				3 50	2 25
Slate: Roofing (P square).....					
" green.....	5 00	6 00	4 75	5 25	5 50
" unfading.....	5 00	6 00	5 50	6 50	6 50
" purple.....	5 00	6 00	5 50	6 50	6 50
" red.....	5 00	6 00	10 00	11 00	12 00
" black, Leigh.....	4 25	4 75			6 25
" Chapmans.....					7 30
" Unfading black, Monson, Me.....	5 50	8 00	5 50	8 00	6 00
Tiles, Am.....					Not Sold.
N. Peach Bottom, warranted unfading.....					6 00
PAINTS. (In Oil P lb.)					
White lead, Am.....	7	7 1/2	6 1/2	7	7
" zinc.....	5	8 1/2	6 1/2	7	7
Red lead, Am.....	6 1/2	7	6 1/2	7	7
" Venetian.....	6	10 1/2	7	12	11
" Vermillion.....	65	70	70	5 dry	65
" Indian, Eng.....	12	20	12	20	12
Yellow Ochre.....	6	15	7	12	3
" Chrome.....	8	13	8	20	8
Green (chrome).....	25	40	25	40	18
Green, Paris.....	15	25	15	25	8
Black, lamp.....	12	18	18	30	12
Blue, ultramarine.....	55	62	49	50	57
Oil, linseed, (raw).....	58	65	52	63	60
" " boiled.....	36	37	33	40	42
Turpentine.....			1 50	6 00	1 25
Varnish, coach.....			2 50	3 00	2 25
Shellac.....	2		2	4	2
Putty.....	75	1 00	1	1 1/2	1 1/2
Whiting.....	1 30	2 00	2	3	2
Paris white, (Eng.).....	7 1/2	6	6 1/2	7	6 1/2
Litharge, Am.....	14	20	14	20	4
Sienna (burnt).....	14	20	14	20	2
Umber.....					
Hardware:					
Nails: (Per Cask.) Spikes, (strougl.)	2 85		2 35	3 50	per keg 2 25
10d. common.....	2 60	2 20		1 95	2 30
Shingle.....	3 35	2 65		2 35	2 60
Lath.....	4 85	3 20		3 25	3 60
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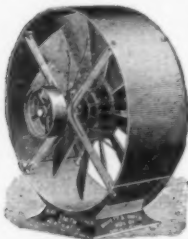
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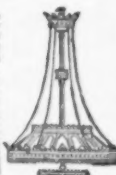
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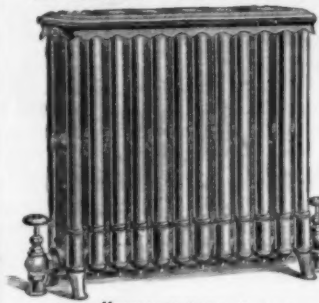
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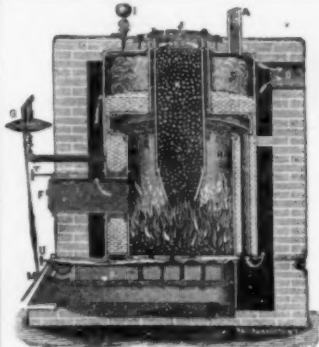
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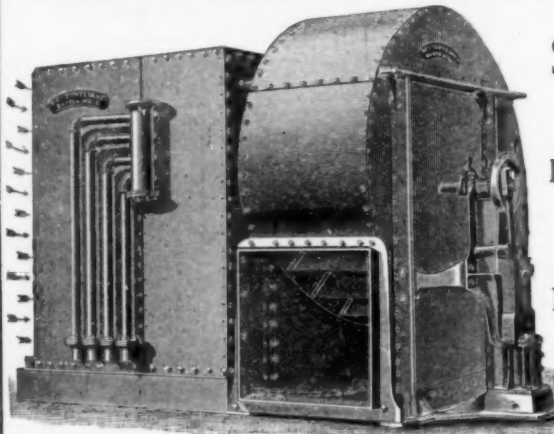
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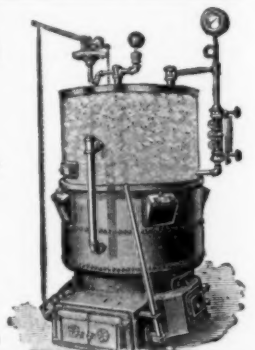
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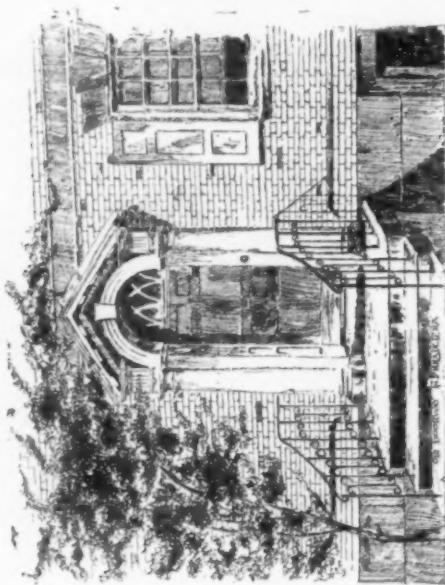
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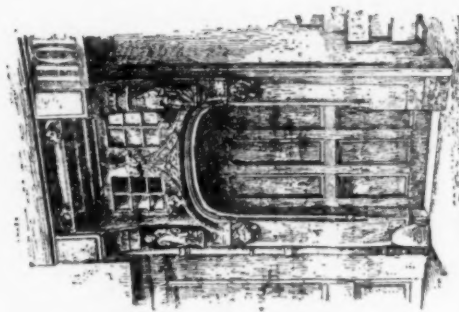
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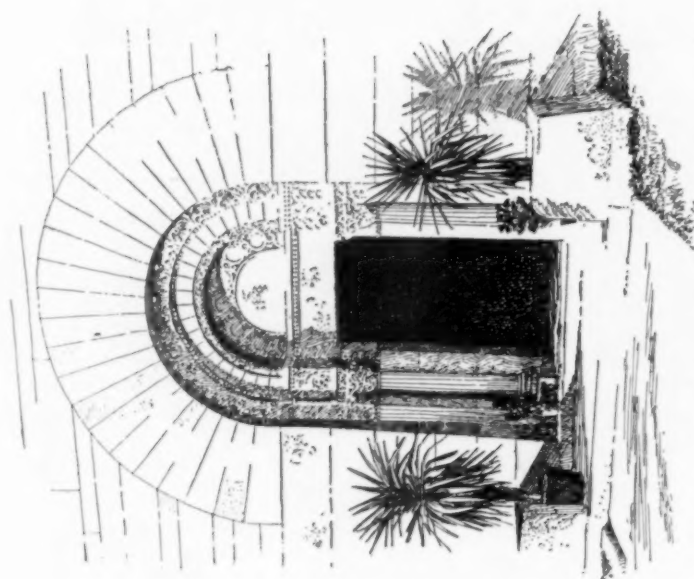
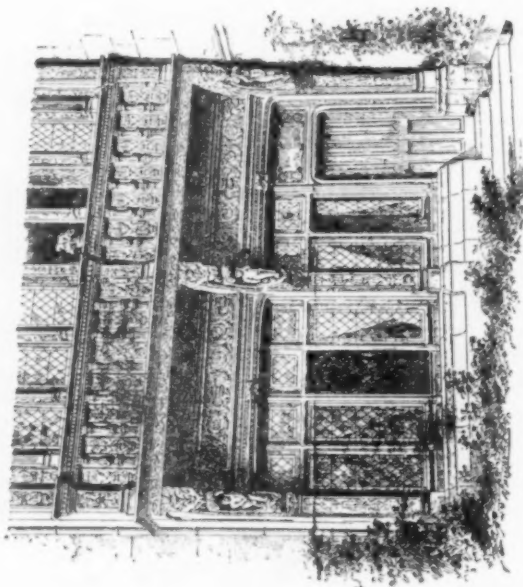
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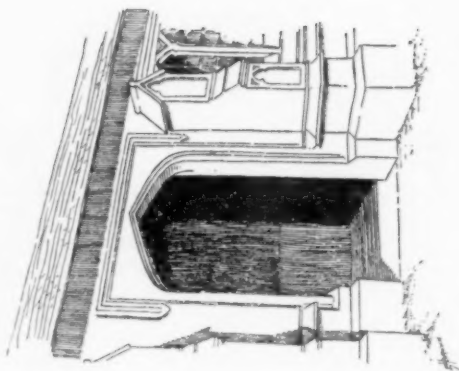
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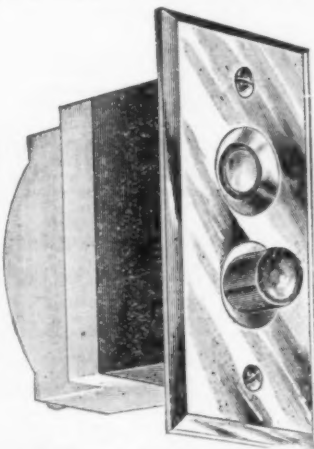
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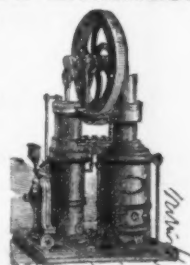


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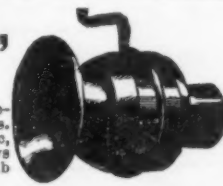


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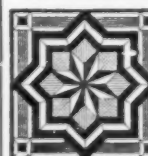
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From Genoa. — Steamer "Werra," 1 case cement, order.
From Hamburg. — Steamer "Solingen," 1,000 barrels cement, order.
From Hillsboro, N. B. — Schooner "Abbie G. Cole," 460 tons rock plaster, Jed Frye & Co.
From Hull. — Steamer "Lydian Monarch," 195 tons cliff stone, Sanderson & Son; 173 casks glazed bricks, Meeker & Carter.
From Laguna. — Schooner "Montana," 756 logs cedar and mahogany, Wm. Wieke & Co. Schooner "Laguna," 287 logs mahogany, Theband Bros. Schooner "City of Washington," 30 logs mahogany, Joseph Ware.
From Leghorn. — Steamer "Olympia," 370 marble slabs, Taber & Co.
From Liverpool. — Steamer "Tauric," 79 logs hard wood, order.
From London. — Steamer "Spain," 8 barrels floor-bricks, R. Rossmann; 1,500 casks cement, H. F. Downing & Co.; 1,000 do., order. Steamer "Richmond Hill," 500 casks cement, E. Thiele; 1,000 do., order.
From Moncton, N. B. — Schooner "F. & E. Givan," 827,700 spruce laths, Scammell Bros.
From Newcastle, Eng. — Steamer "Marengo," 800 casks cement, The E. A. Chatfield Co.
From Newcastle, N. B. — Schooner "Nellie Reed," 347,000 spruce laths, Simpson, Clapp & Co.
From Panama. — Steamer "Newport," 32 logs mahogany, Isaac Brandon & Bro.
From Plymouth, Eng. — Ship "Timandra," 106 tons fire-bricks, order.
From Rotterdam. — Steamer "Feendank," 9 casks cement, Brown Bros. & Co.; 1,900 do., order. Steamer "Edam," 1,000 casks cement, order. Steamer "Werkendam," 100 casks cement, Brown Bros. & Co.; 1,000 do., order.
From San Francisco. — Steamer "Newport," 385 barrels asphaltum, Standard Paint Co.
From Santa Cruz, Cuba. — Schooner "Blomidon," 3,825 pieces mahogany timber, Adams & Jemins.
From Sherbrooke, N. S. — Schooner "Hattie Turner," 1,713,000 laths, Scammell Bros.
From Shulee, N. S. — Schooner "Vineyard," 700 pieces unmanufactured timber, J. D. Leary. Schooner "Clara E. Rogers," 489 pieces piling, J. D. Leary.
From Stettin. — Steamer "Bohemia," 800 barrels cement, E. Thiele; 750 do., F. Behrens; 280 do., H. Marquardt & Co.; 1,000 do., Emil Kanter; 10,000 do., order.
From St. Jago. — Steamer "Cienfuegos," 35 logs cedar, 35 do. mahogany, C. F. Ferrer & Bros.; 38 do., Ichabod T. Williams & Sons; 30 do., 16 do. sables, The National Mahogany and Cedar Co.
From St. John, N. B. — Schooner "Eagle," 223,499 feet spruce deals, Chase, Talbot & Co. Schooner

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The Engineering Employment Bureau,
512 The Bastable, SYRACUSE, N. Y.

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F. E. Cudell.
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Howson & Howson.
C. P. Karr.
Link-Belt Engineering Co.
Merchant & Co.
E. B. Moore & Co.
W. H. Schieffelin & Co.
Smith & Egge Mfg. Co.
Spaulding & Moss.
J. S. Thorp.

See the first issue of the month for the following advertisements.

Alens Portland Cement Works.
Baily & Truscott.
Fred. F. Blachoff & Co.
T. H. Brooks & Co.
Brooks, Shoobridge & Co.
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I. P. Frink.
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Lane Bros.
H. S. Northrop.
W. R. Pitt.
The Pullman Sash Balance Co.
J. J. Read.
J. B. Shannon & Sons.
M. A. Smith.
E. Thiele.

IMPORTS OF BUILDING MATERIALS, Etc.

"Sarah Hunter," 156,300 feet spruce deals, Simpson, Clapp & Co. Schooner "Greta," 135,700 spruce lath, 160,143 feet spruce deals, Simpson, Clapp & Co. Schooner "Reporter," 784,600 spruce laths, Boardman & Small. Schooner "Juno," 632,000 spruce laths, H. B. Rawson & Co. Schooner "Pefetta," 201,170 feet spruce lumber, Chandler & Redman. Schooner "E. V. Glover," 450,000 spruce lath, Scammell Bros. Schooner "Parlee," 805,000 spruce lath, Chase, Talbot & Co. Schooner "Glendon," 380,061 feet spruce deals, Chandler & Redman. Schooner "John S. Parker," 352,692 feet spruce deals, Simpson, Clapp & Co.
From Vera Cruz. — Steamer "City of Washington," 14 blocks marble, James E. Ward & Co.
From Wallace, N. S. — Schooner "Alaska," 51 blocks building-stone, G. P. Sherwood.
From Windsor, N. S. — Schooner "Gypsum Prince," 1,200 tons lump plaster, J. F. Whitney & Co.

BUILDING INTELLIGENCE.

(Reported for The American Architect and Building News.)

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

ALTERATIONS.

Baltimore, Md. — The Academy of the Visitation will build four-sty addition to the convent, n w cor. Centre St. and Park Ave.
Brooklyn, N. Y. — Seventh Ave., s w cor. Third St., four-sty brick dwell., gravel roof, four-sty brick extension, gravel roof, and other alterations; cost, \$7,000; owner and builder, Mary T. Collins, 635 Carroll St.; architect, Chas. Collins, 125 Weirfield St.
Freeman St., s s, 357 Green St., four-sty brick boiler-house and factory, iron roof, internal alterations; cost, \$3,000; owners and architects, New York and Boston Dyewood Co., 55 Beekman St., New York; builders, Burton & Nickel, 420 East Twenty-third St.
Broadway, n e cor. Yates Pl., four-sty brick store and dwell., tin roof, one-sty brick extension, tin roof, and internal and other alterations; cost, \$3,500; owner, Catherine Michaels, on premises; architect, Th. Engelhardt, 905 Broadway.
Broomall, Pa. — Alterations and repairs to church.
Chester, Pa. — Brick addition to Rufe & Bros.' machine-shop.
Chicago, Ill. — Board of Education, three-sty addition to school-house, Hammond and Eugenie Sts.; cost, 25,000.
Board of Education, three-sty addition to school-house, Armour Ave. and Bickerdike St.; cost, \$25,000.

[Continued on page xiii.]

VARNISH IN ARCHITECTURE.

A lawyer's brief is not more essential to the successful issue of a case than are the specifications of the architect to a building. In course of time the general public may realize the importance of good varnish, but they regard it now more in the light of a necessary evil. The architect knows that the well-being of the finish depends largely upon the varnish used. Should not the client have the benefit of the architect's experience in the matter of varnish as in all other matters connected with the specifications? The specifications relating to varnish should be full and complete, so that there is no chance of the wrong goods being used unless by fraud. The leading interior finish is Hard Oil Finish (originated and made only by us), but the name is so much counterfeited that it should always be written "BERRY BROTHERS' HARD OIL FINISH."

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TO BURST WHEN
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BUILDING INTELLIGENCE.

(Alterations Continued.)

Frank Kroeger, two-st'y addition, 922 Fifty-fourth St.; cost, \$17,000.
Harvey Speeler, one-st'y addition, 15 York St.; cost, \$3,000.
E. S. Hawley, one-st'y addition, Stony Island Ave. and Sixtieth St.; cost, \$3,000.
Robert Stuart, side addition, Dearborn and Sixteenth Sts.; cost, \$4,000.
John Campbell, three-st'y addition, 352 West Fourteenth St.; cost, \$3,000.
B. Johnson, two-st'y addition, 6527-6529 Ellis Ave.; cost, \$14,000.
Trinity R. E. Church, one-st'y addition, 7010-7012 Yale St.; cost, \$4,000.

Germantown, Pa.—Alterations to the First Presbyterian Church; builders, Thomas W. Wright & Son.

Hathboro, Pa.—Addition to the public building; builder, Jacob Puff.

Jersey City, N. J.—Hudson St., No. 45, alterations to dwell.; architect, G. W. La Baur, 76 Montgomery St.

Philadelphia, Pa.—Baring and Thirty-fifth Sts., alterations and additions to dwell.; owner, Dr. K. Housekeeper; architect, A. W. Dilkes, 1001 Chestnut St.

Spruce and Seventeenth Sts., alterations to Presbyterian Church; architect, F. Miles Day, 925 Chestnut St.

Broad St., below Sanson St., alterations and additions to the Union League Club-house; architect, R. G. Kennedy; builder, Allen B. Rorke, Drexel Building.

Federal St., s e cor. Twelfth St., addition to three-st'y brick school-house; builder, Wm. Christy, 1608 Wharton St.

North Thirty-fifth St., No. 306, alterations to dwell.; owner, E. P. Alexander; architect, Addison Hutton, 400 Chestnut St.; builders, Kemp & Garrison.

Addison, Pine and Nineteenth Sts., additions to public schools.

Erie Ave., s w cor. Fifth St., one-st'y addition to church; builder, C. B. Peacock, 3909 North Fifth St.

Pine St., n s w Eleventh St., addition to three-st'y school-house; builder, Charles O'Neil, 1216 South Broad St.

Market St., above Twelfth St., interior and exterior alterations to shoe store; owner, J. P. Twaddell; architect, T. Melton Rogers, 1122 Walnut St.

Reading, Pa.—Interior and exterior alterations to Trinity Lutheran Church; builder, L. H. Pocht.

Penn. St., Nos. 545-547, alterations and improvements to the Donahower property.

Sandstone front to the Keystone National Bank.

St. Louis, Mo.—Addition to dwell., w s Westminster St., bet. Cabanne and Vandeventer Aves.; cost, \$9,000; owner, D. C. Nugent; contractor, D. Evans.

Addition to school building, s e cor. Evans and Whitier Sts.; cost, \$11,000; owner, St. Louis Board of Public Schools; contractors, Dunn Bros.

Addition to Church, s w cor. Boyle and Swan Aves.; cost, \$5,000; owners, St. Cronan's Catholic Church; contractors, Galvin & Ryan.

APARTMENT-HOUSES.

Chicago, Ill.—Andrew Dillon, three-st'y flats, 19 West Thirteenth St.; cost, \$5,000.

P. Johnson, two-st'y flats, 622 Fifty-sixth St.; cost, \$3,600.

Mary McMahon, two-st'y flats, Vincennes Ave. and Seventy-seventh St.; cost, \$3,000.

Philip Wansley, three-st'y flats, 1212 Sixty-first St.; cost, \$6,500.

N. P. Severin, two-st'y flats, 1228 Sixty-first St.; cost, \$5,000.

John Long, three-st'y flats, 744 Garfield Boulevard; cost, \$5,000.

BUILDING INTELLIGENCE.

(Apartment-Houses Continued.)

Frank Dabelsten, three-st'y flats, 245 Huron St.; cost, \$4,500.

Frank Houpp, two-st'y flats, 890 Hinman St.; cost, \$3,200.

Herman Vollmer, five-st'y flats, 4300-4312 Ellis Ave.; cost, \$80,000.

J. Minenter, 2 two-st'y flats, 257-259 Jensen Ave.; cost, \$9,000.

C. Pederson, three-st'y flats, 762 Sans St.; cost, \$4,500.

August Arch, two-st'y flats, Eighty-first St. and Houston Ave.; cost, \$3,000.

H. Ertel, three-st'y flats, 33 Coulter St.; cost, \$7,000.

George Ullrich, three-st'y flats, 1576 Lexington St.; cost, \$6,000.

J. Masterson, two-st'y flats, Congress and Forty-second Sts.; cost, \$3,300.

Louis Brem, two-st'y flats, 181-183 West Lake St.; cost, \$3,500.

Charles Dearing, three-st'y flats, 3210 Wall St.; cost, \$3,500.

Felix Stocks, three-st'y flats, 300 Hastings St.; cost, \$3,500.

S. M. Miller, three-st'y flats, 378 Armitage Ave.; cost, \$3,000.

R. J. Lyman, three-st'y flats, 141 Twenty-third St.; cost, \$4,500.

Trebelcock & Penhalligan, 2 two-st'y flats, 7324-7326 Stewart Ave.; cost, \$6,000.

M. Mary, 2 two-st'y flats, 3920-3922 Sangamon St.; cost, \$4,000.

W. H. Birmingham, two-st'y flats, 221 Spaulding Ave.; cost, \$3,000.

Robert Walsh, 3 five-st'y flats, 2826-2830 Calumet Ave.; cost, \$75,000.

F. S. Beamish, three-st'y flats, 436 Jackson St.; cost, \$10,000.

Ignatz Busam, three-st'y flats and shop, 778 Mohawk St.; cost, \$7,000.

New York, N. Y.—Columbus Ave., s w cor. Eighty-eighth St., seven-st'y brick flat, tin roof; cost, \$135,000; owner, David Frank, 121 East Sixty-fifth St.; architect, Henry Anderson, 1180 Broadway.

Attorney St., n w cor. Broome St., 3 five-st'y brick flats, tin roofs; cost, \$75,000; owner, Henry Kottel-tas, 37 St. Mark's Pl.; architects, Kurtzer & Kohl, Seventh St. and Third Ave.

Ludlow St., Nos. 118-120, 2 five-st'y brick flats, tin roofs; cost, \$44,000; owners, Fay & Staecom, 337 Pleasant Ave.; architect, Charles Reutz, 153 Fourth Ave.

Sixty-seventh St., s s, 200' e Amsterdam Ave., 2 five-st'y brick flats, tin roofs; cost, \$44,000; owners, Mary E. Stafford, 157 West Sixty-third St. and Jacob Messner, 156 West Sixty-seventh St.; architect, James W. Cole, 403 West Thirty-first St.

St. Louis, Mo.—Three-st'y flats, n s Bremen St., bet. Twentieth and Twenty-first Sts.; cost, \$6,000; owner, J. C. Kappel; contractor, F. Warming.

Two-st'y flats, n e cor. Twenty-fifth and Warren Sts.; cost, \$6,000; owner, Jno. Wiegman; contractor, Geo. F. Kohlmier.

Two-and-one-half-st'y flats, s s Market St., bet. Twentieth and Twenty-first Sts.; cost, \$4,000; owner, Fred Lomphkoetter; contractor, J. N. McEntyre.

Two-st'y flats, n w cor. Jefferson and Russell Aves.; cost, \$5,000; owner, Mrs. A. Abehn; contractor, Jno. H. Frye.

Two-st'y flats, s s Arsenal St., bet. Portis St. and King's Highway; cost, \$3,000; owner, Jos. Logler; contractor, H. Schneider.

Two-st'y flat, s s Laced St., bet. Grand and Cabanne Aves.; cost, \$7,000; owner, Martha M. Golden; contractor, A. E. Christopher.

CHURCHES.

Brooklyn, N. Y.—Richmond St., ea, 175' s Etna St., one-st'y brick church, slate roof; cost, \$27,000; owners, Trustees Andrews M. E. Church, Richmond St.; architects, Weary & Kramer, New York City.

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BUILDING INTELLIGENCE.

(Churches Continued.)

Charlottesville, Va. — Plans will be prepared for the Vestry of Christ Church for a \$13,000 church.

Chicago, Ill. — Evangelist Zion Church, church, Hoyne Ave. and Iowa St.; cost, \$7,000.

New Brunswick, N. J. — Memorial chapel for the Second Reformed Church.

Philadelphia, Pa. — Tacony St., s s, w Frankford Ave., brick church; builder, Harry Zimmerman, 5120 Melrose St.

Broad St., w s, below Tioga St., brick church; Spanish tile roof; architect, Louis C. Hickman, Brown Bros.' Building.

Montgomery Ave. and Broad St., church for the Universalist Church.

Pittsburgh, Pa. — Euclid Ave. and Baum St., church for the Reformed Presbyterian Church congregation.

Wayne, Pa. — Chapel for the Roman Catholic Church; builder, Harlan J. Preston.

FABRICATORIES.

Boston, Mass. — Bowker St., Nos. 7-11, Ward 7, five-story brick factory, flat roof, 60' x 75'; owner, S. D. Hicks; builders, McClellan & Miller.

Brooklyn, N. Y. — Bedford Ave., n e cor. North Twelfth St., five-story brick rock-candy factory, star roof; cost, \$30,000; owners, Standard Rock Candy Co., New York City; architect, Wm. H. Beers, Tribune Building, New York City.

Irrington, N. J. — Brick factory; architects, Schweitzer & Deemer, Bennett Building, New York City.

New York, N. Y. — Eighty-third St., s s 87' e West Boulevard, one-story brick factory, peaked galvanized iron roof; cost, \$3,500; owner, Natalie Reynol, 54 Wall St.; architect, Chas. H. Israels, 90 Nassau St.

Broadway, s w cor. Thirty-first St., five-story brick factory, tin roof; cost, \$180,000; owner, Joseph Wechsler, 31 Eighth Ave.; architects, Buchman & Deisler, 11 East Fifty-ninth St.

First Ave. and Thirty-fifth St., four-story brick factory, tin roof; cost, \$12,000; owner, Hanna Youngs, 153 Rodney St., Brooklyn; architects, J. Boekel & Son, 54 Bond St.

Philadelphia, Pa. — Combs Alley and Chancery Lane, three-story brick factory and store; builder, George L. Harvey.

Emily and Tenth Sts., four-story brick, stone and terra-cotta factory; owners, Hexter Bros.; architect, Wm. H. MacCollin, 913 Walnut St.

HOTELS.

New York, N. Y. — One Hundred and Thirty-eighth St. and Mott Ave., two-story brick hotel and store, tin roof; cost, \$18,000; owner, Eph. E. Gates, 2070 Fifth Ave.; architect, Wm. E. Pringle, Williamsbridge.

St. Louis, Mo. — St. Nichols Hotel, n w cor. Eighth and Locust Sts.; cost, \$300,000; owner, Ames Estate; contractor, Jas. Lucke.

HOUSES.

Boston, Mass. — Brook St., near Patterson St., Ward 24, two frame dwellings, 23' x 37'; owner and builder, Isaac Schurman.

Sawyer Ave., near Cushing Ave., Ward 24, frame dwell., 24' x 34.6'; owner, G. D. Buntor; builders, Chute & Bagloe.

Hill St., near Murdock St., Ward 25, frame dwell., 29' x 38.6'; owner, F. E. Hor; builder, Jas. Muldoon.

Franklin Park Terrace, off Eugene St., Ward 23, frame dwell., 33' x 43.6'; owner, Mrs. H. S. Kimball; builder, E. C. Higgins.

Hillsdale St., cor. Richview St., Ward 24, three-story frame dwell., 28' x 44'; owner, Ellen B. Hall; builder, R. K. Haskell.

Idaho St., near River St., Ward 24, frame dwell., 21' x 41'; owner, James Vox; builder, S. A. Graham.

Lynville Terrace, near Washington St., Ward 24, three-story frame dwell., flat roof, 24' x 52'; owner, C. A. Lynn; builder, H. I. Lynn.

BUILDING INTELLIGENCE.

(Houses Continued.)

Bearse Ave., near Butler St., Ward 24, frame dwell., 20' x 22'; owner, Samuel Buckley; builder, F. M. Pendleton.

Bowdoin St., cor. Oakley St., Ward 24, frame dwell., 25.6' x 35'; owners, Workmen's Building Association; builder, J. D. McLellan.

Darling St., near Norfolk St., Ward 24, frame dwell., 26' x 48'; owner, C. G. W. Capen; builder, J. F. Haddock.

Dorchester Ave., near Codman St., Ward 24, frame dwell., 34' x 42'; owner, T. McDonald; builder, M. J. Barry.

Collingswood, N. J. — Collins Ave., dwell.; owner, C. Allison Groves; builder, Mr. Bryan.

On the Heights, dwell.; owner, J. S. Guthrie.

Conshohocken, Pa. — Dwell. for J. Clever; builder, John S. Hipple.

Ebensburg, Pa. — Two-and-one-half-story frame dwell. for Rev. Dr. Brown; architect, Charles W. Bolton, 1510 Chestnut St., Philadelphia.

Kearney, N. J. — Frame dwell.; owner, C. C. Reick; architect, B. F. Hurd, 423 Prudential Building, Newark, N. J.

Kennett Square, Pa. — Linden St., two brick dwell.; owner, Isaac Larkin; builder, George E. Thatcher.

Mt. Pleasant, N. J. — Dwell.; architect, B. F. Hurd, 423 Prudential Building, Newark, N. J.

Newark, N. J. — East Orange St., two-and-one-half-story stone and shingle dwell.; architect, B. F. Hurd, 423 Prudential Building.

New Hope, Pa. — Dwell. for the Methodist Society.

New York, N. Y. — Ninety-fourth St., s w cor. West Central Park, 6 four-story brick dwellings, tin roofs; cost, \$90,000; owner, Edward Kilpatrick, 660 West End Ave.; architects, French, Dixon & De Salden, Broadway and Fifty-seventh St.

One Hundred and Nineteenth St., n s, 376' w Fifth Ave., 2 three-story brick dwellings, tin roofs; cost, \$40,000; owner, Thomas Cowman, 276 West One Hundred and Nineteenth St.; architect, James W. Cole, 403 West Fifty-first St.

Sixty-Sixth St., s s, 60' w Park Ave., 2 four-story brick dwellings, tin roofs; cost, \$40,000; owner, Lewis T. Bach, Broadway and Thirty-sixth St.; architects, Thom & Wilson, 1267 Broadway.

James St., n w cor. Edenwood Ave., three-story brick and frame dwell., shingle roof; cost, \$44,000; owner, Henry M. Vogel, 2638 Marmion Ave.; architects, Munn & Co., 361 Broadway.

One Hundred and Seventy-fifth St., n s, 340' e Marmion Ave., 2 three-story brick and frame dwellings, tin roofs; cost, \$8,000; owner, Chas. V. Halley, 1014 East One Hundred and Seventy-fifth St.; architect, Chas. S. Clark, 719 East One Hundred and Seventy-seventh St.

One Hundred and Sixty-ninth St., n s, 83' w Intervale Ave., four-story brick dwell., tin roof; cost, \$12,000; owner, Mary F. Wilson, Stebbins Ave. and One Hundred and Sixty-seventh St.; architect, J. T. Vreeland, 711 East One Hundred and Seventy-seventh St.

Eighty-ninth St., s s, 201' e Riverside Drive, 5 four-story brick dwellings, tin roofs; cost, \$105,000; owners, Wilcox & Hoyt, 1300 Broadway and 326 West Eighty-eighth St.; architect, Ralph S. Townsend, 1300 Broadway.

Trinity Ave., e s, 370' e One Hundred and Sixty-fifth St., 2 three-story brick and frame dwellings, tin roofs; cost, \$9,000; owner, John G. Borgstede, 825 East One Hundred and Sixty-first St.; architect, John McIntyre, 3340 Third Ave.

Sixth Ave., w s, 82' s Fifty-ninth St., three-story brick and frame dwell., gravel roof; cost, \$4,000; owner, Inman Estate, Cotton Exchange Building; architects, Horenburger & Straub, 122 Bowery.

One Hundred and Forty-ninth St., n s, 250' e Boulevard, 3 three-story brick dwellings, tin roofs; cost, \$30,000; owner, William S. Shaw, 141 West Ninety-eighth St.; architect, James W. Cole, 141 West Ninety-eighth St.

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Twenty-Second Street and Washington Ave PHILADELPHIA, PA.

BUILDING INTELLIGENCE.

(Houses Continued.)

One Hundred and Twentieth St., s s, 175' w Lenox Ave., 9 three-story brick dwellings, tin roofs; cost, \$135,000; owner, James A. Frame, 105 East Seventieth St.; architects, Neville & Bagge, 217 West One Hundred and Twenty-fifth St.

Seventy-sixth St., n s, 25' w Central Park, West, four-story brick dwell., tin roof; cost, \$18,000; owner and architect, Henry F. Cook, 264 Columbus Ave.

Norristown, Pa. — De Kalb St., 2 five-story double brick dwellings; owners, Rambo & McGrath.

Oxford, Pa. — Dwell.; owners, William and Hannah E. McClung.

Pateron, N. J. — Two-story frame dwell.; owner, John Campbell; architect, Charles F. Mott, 171 Broadway, New York City.

Philadelphia, Pa. — Fairhill St., w s, n Westmoreland St., 7 two-story brick dwellings; owner, Ludwig Lambrecht, 3256 North Fifth St.

Foulkrod St., s s, w Horrocks St., three-story brick dwell.; builders, Davies & McDonald, 1339 Sellers St.

G St., w s, n Tioga St., two-story brick dwell.; owner, John Wilding, 2923 Budinet St.

Church St., s s, e Orchard St., two-story brick dwell.; builder, E. T. Swopes, 4522 Paul St.

Richmond St., n e cor. Ann St., 2 three-story brick dwellings; builder, Charles Judge, 3011 Richmond St.

Higbee St., w s, s Walker St., two-story brick dwell.; builder, E. T. Bensler, 5993 Tulip St.

North Twenty-seventh St., No. 2220, two-story brick dwell.; builder, Jacob Ling, 2298 Columbus Ave.

Thompson and Tenth Sts., 2 three-story brick dwellings; builder, Benj. Walker, 2933 Germantown Ave.

Clifford St., w s, s Montgomery Ave., 14 two-story brick dwellings; owner, H. J. S. Warfield, 1807 North Twenty-second St.

Thirty-first St., e s, s Montgomery Ave., 6 three-story brick dwellings; owner, H. J. S. Warfield, 1807 North Twenty-second St.

Greenwich St., s s, w Weccaco Ave., two-story brick dwell.; owner, Patrick Hasson, Martinsville.

Broad St., e s, n Milfin St., three-story brick dwell.; owner, Mrs. Rose Raggio, s w cor. Sixth and Federal Sts.

Sixty-fourth St., e s, s Hamilton St., brick dwell.; builder, Alex. Ewing, 1823 Lombard St.

Willow Ave., s s, e Fifty-first St., 2 two-story brick dwellings; builder, Frank S. Riggs, 338 South Thirtieth St.

Mehl St., s w cor. Germantown Ave., 25 two-story brick dwellings; builders, Wright & Prentzel, 3569 Marshall St.

Church St., s s, e Musgrove St., two-story brick dwell.; builder, Wm. Garvin, 5008 Adams St.

Tioga St., e s, e Sixth St., 11 two-story brick dwellings; owner, J. B. Vanderslice, 3529 North Eighth St.

Allegheny Ave., below Kensington Ave., 31 two-story brick dwellings; builders, Lemie & Bro.

Union Ave., n s, e Seminole Ave., 6 two-story brick dwellings; owners, Otterstetter & Meschan.

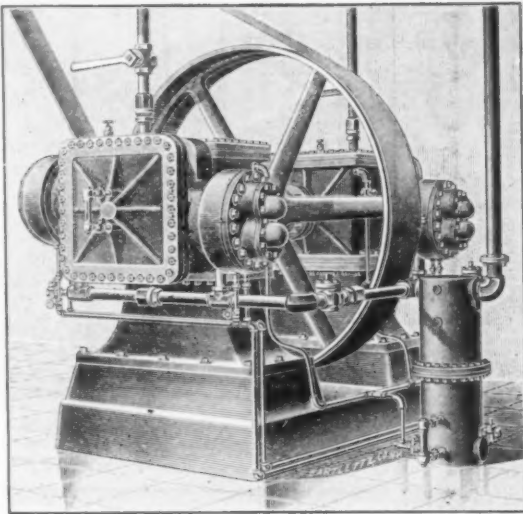
Baltimore Ave. and Forty-seventh St., 4 three-story brick dwellings; owner, Chas. G. Henderson, Jr.

Fairmount Ave., No. 1135, three-story brick dwell.; builders, Samuel Hart & Sons, 1109 Fairmount Ave.

Clementine St., n s, w F St., 18 two-story brick dwellings; owner, Chas. E. C. Warfield, 2424 North Twenty-eighth St.

Palethorp St., e s, n Cumberland St., two-story

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We invite the attention of Architects to the form of Refrigerating Apparatus which we manufacture, on account of its special fitness for Hotels, Apartment-houses, Clubs, Hospitals, Private Residences, and work of like character.

It may take power from the same shaft that runs the electric-lights, elevators, laundry, etc., or from an independent electric-motor or gas-engine.

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BUILDING INTELLIGENCE.

(Houses Continued.)

brick dwell.; builder, Daniel Nevling, 2506 Mascher St.

Trout St., No. 322, three-st'y brick dwell.; builder, R. F. Prettyman, 1252 South Twentieth St.

Fifty-second St., w s, s Lancaster Ave., two-st'y brick dwell.; builders, Wolf & Corriston, 757 North Forty-sixth St.

Spring Garden St., n s bet. Thirty-third and Thirty-fourth Sts., 42 three-st'y brick dwell.; owner, P. P. Elkinton, 532 Walnut St.

Sixteenth St., w s, s Millin St., two-st'y brick dwell.; owner, Robt. A. McElung, 1543 Dean St.

A St., e s, n Rockland Ave., three-st'y brick dwell.; builder, Horace G. Wunder, Second and Somerset Sts.

Fiftieth St., e s, a Westminster Ave., 10 two and three-st'y brick dwell.; owner, W. F. Cox, 802 Federal St.

OFFICE-BUILDINGS.

New York, N. Y.—*Broadway*, Nos. 64-66-68, sixteen-st'y brick office, brick roof; cost, \$950,000; owners, Manhattan Life Insurance Co., 156 Broadway; architects, Kimball & Thompson, 55 Broadway.

PUBLIC BUILDINGS.

New York, N. Y.—*Park Ave.*, three-st'y brick fire engine-house, tin roof; cost, \$19,000; owner, City of New York (N. Y. Fire Dept.) Sixty-seventh St. and Third Ave.; architects, N. Le Brun & Son, 1 Madison Ave.

One Hundred and Forty-ninth St., n s 29th w Trinity Ave., three-st'y brick fire engine-house, tin roof; cost, \$19,000; owner, City of New York (N. Y. Fire Dept.) Sixty-seventh St. and Third Ave.; architects, N. Le Brun & Son, 1 Madison Ave.

East Twenty-eighth St., No. 217, three-st'y brick fire engine-house, tin roof; cost, \$19,000; owners, New York City (N. Y. Fire Dept.) Sixty-seventh St. and Third Ave.; architects, N. Le Brun & Son, 1 Madison Ave.

SCHOOL-HOUSES.

Baltimore, Md.—Preliminary plans have been made for the Baltimore City College and Western Female High School.

Brooklyn, N. Y.—*Herkimer St.*, n s, 150th w Ralph Ave., three-st'y brick parochial school, slate roof; cost, \$35,000; owner, St. Benedict's Church, on premises; architect, F. J. Berlenbach, Jr., 260 Graham Ave.

Chicago, Ill.—Board of Education, three-st'y school-house; Vedder St., near Halsted St.; cost, \$45,000. Board of Education, three-st'y school-house; West Forty-third and Harrison Sts.; cost, \$65,000.

St. Peter's and St. Paul's School, two-st'y school-house and dwell.; 3624-3626 Charlton St.; cost, \$10,000.

Board of Education, three-st'y school-house; Spaulding Ave. and Seventy-third St.; cost, \$60,000.

STABLES.

Boston, Mass.—*Medford St.*, rear No. 331, Ward 3, three-st'y frame stable, flat roof, 34' x 67'; owner, A. M. Richards; builder, J. E. Maynard.

London St., rear No. 158-160, Ward 2, frame stable, 20' x 50'; owner and builder, Frank Finn.

Murdock St., rear, near Sparhawk St., Ward 25,

BUILDING INTELLIGENCE.

(Stables Continued.)

frame stable, 36' x 38'; owner, W. D. Hunt; builder, A. C. Ringer.

Granite St., near Mt. Washington Ave., Ward 13, two-st'y brick stable, flat roof, 40.8' x 83.8'; owner, T. McEnneny; builders, Gooch & Pray.

Brooklyn, N. Y.—*Stone Ave.*, w s, 75th s Sumptor St., two-st'y brick stable, tin roof; cost, \$4,500; owner, P. E. Whitson, 30 Stone Ave.; architect, A. H. McGeehan, 2381 Atlantic Ave.

New York, N. Y.—*Seventy-sixth St.*, n s 165th w Amsterdam Ave., three-st'y brick stable, tin roof; cost, \$15,000; owner, Wm. B. Baldwin, 207 West Seventy-sixth St.; architect, G. F. Pelham, 1481 Broadway.

Eighty-fourth St., n s 150th e Madison Ave., three-st'y brick stable, masonry and tile roof; cost, \$50,000; owner, Louis Stein, 933 Fifth Ave.; architect, Wm. Schickel, 246 Fifth Ave.

Philadelphia, Pa.—*Susquehanna Ave. and Warrock St.*, two-st'y brick stable; owner, Evan P. Grubb, Camden, N. J.

Spruce St., rear No. 1710, two-st'y brick stable; builder, C. F. Nesbitt, 425 Locust St.

Fiftieth St., e s, n Dauphin St., two-st'y brick stable; owner, George R. Snyder, 2002 Columbia Ave.

Peach St., w s, n Orthodox St., one-st'y brick stable; owner, John Hutchins, 1900 Orthodox St.

Somerville, Mass.—*Fitchburg St.*, stable; owner, Mary Marden; builder, Sylvester Woods.

St. Louis, Mo.—Three-st'y brick stable, e s Sixteenth St., bet. Spruce St. and Belmont Ave.; cost, \$40,000; owners, American Express Co.; contractors, Hill & O'Meara.

Two-st'y brick stable, n s Locust St., bet. Channing and Ware Aves.; cost, \$22,000; owner, Ella M. Powell; contractor, K. W. Morrison.

Worcester, Mass.—*Millbury St.*, frame stable; owner and contractor, H. Charland.

Lincoln St., frame stable; owner, E. Buxton; contractors, Ward & Blanding.

Douglas Ct., frame stable; owner, J. Powers; day-work.

Benefit St., brick stable; owner, John Gibbon; contractors, W. F. Dearborn & Son.

STORES.

Boston, Mass.—*North Harvard St.*, near Bayard St., Ward 23, 2 one-st'y frame stores, flat roofs, 34' x 40' and 39' x 40'; owner, Isabella J. Abbott; builder, W. W. Tobey.

Boylston Ave., cor. Porter St., Ward 23, one-st'y frame store, flat roof, 30' x 35'; owners, J. Mock & Son; builders, J. W. Priesing & Son.

Essex St., cor. Essex Pl., Ward 10, five-st'y brick store, office and warehouse, flat roof, 38.7' x 58.8'; owners, Ludlow Manufacturing Co.; builders, Cutting, Bardwell & Co.

Brooklyn, N. Y.—*Throop Ave.*, n s, cor. Madison St., three-st'y brick store and dwell., gravel roof; cost, \$6,000; owner, Mary E. Fowler, 181A Halsey St.; architect, F. W. Fowler, 637 Prospect Pl.; Levi Fowler, 181A Halsey St.

Central Ave., w s, 20th n Gates Ave., 2 three-st'y frame stores and dwell., tin roofs; cost, \$4,500

BUILDING INTELLIGENCE.

(Stables Continued.)

each; owner and builder, Adam Metz, 137 Bleecker St.; architects, Frank & Hillenbrand, 200 Knickerbocker Ave.

Broadway, w s, 23rd s Chauncey St., two-st'y frame store, tin roof; cost, \$6,000; owner, R. Levy, Arbuckle Building.

North Second St., n s, 25th e Lorimer St., four-st'y brick store and dwell., metal roof; cost, about \$8,000; owner, Mrs. W. H. Chapman, 283 Hancock St., Brooklyn; architects, John B. Snook & Sons, 12 Chambers St., New York City.

Chicago, Ill.—John Scheel, 2 three-st'y stores and flats, 5001-5003 Princeton Ave.; cost, \$16,000.

Jacob Hoffman, two-st'y store and flats, 573 North California Ave.; cost, \$4,000.

John Zapreck, 4 two-st'y stores, flats and barns, 440 West Nineteenth St.; cost, \$12,000.

Lloyd J. Smith, one-st'y store, 193 Milwaukee Ave.; cost, \$3,500.

Peter Bortiska, four-st'y store and flats, 855 West Division St.; cost, \$9,000.

H. M. McKillip, 4 three-st'y stores and hospital, 1639 Wabash Ave.; cost, \$14,000.

John App, three-st'y store, flats and bowling-alley; 933-939 Graceland Ave.; cost, \$12,000.

Ferdinand Setzke, two-st'y store and flats; 5538 Vermont Ave.; cost, \$5,200.

Gerhard Roth, 2 four-st'y stores and flats; 122-124 Menominee St.; cost, \$8,000.

Charles Rahn, two-st'y store and flats; 730 Clybourn Ave.; cost, \$3,000.

Paul Zenner, two-st'y store and flats; 11205 Michigan Ave.; cost, \$4,000.

C. Piper, four-st'y store and flats; 792 South Halsted St.; cost, \$8,000.

William Stierve, three-st'y store and flats; 825 West Division St.; cost, \$8,000.

Mary Spielman, three-st'y store and flats; 5208 Jefferson St.; cost, \$5,000.

Maurice Jones, three-st'y store and flats; 3808 Dearborn St.; cost, \$6,000.

Victor Wiener, two-st'y store and flats; 353 Diversy St.; cost, \$3,500.

Frank Paszkivitz, four-st'y store, flats and barn; 630 Noble St.; cost, \$12,000.

H. Hendik, two-st'y store and flats; 1137 Albany Ave.; cost, \$4,400.

John Volliath, four-st'y store and flats; 1321 Twenty-second St.; cost, \$9,000.

N. Frank, 2 two-st'y store and flats; 3741-3743 Cook St.; cost, \$4,000.

Julius Croku, two-st'y store and flats; 5346 Halsted St.; cost, \$4,000.

F. Robke, two-st'y store; 3292 Archer Ave.; cost, \$3,000.

Thomas Forschler, three-st'y store and flats; 2832 Dearborn St.; cost, \$6,000.

S. Wiekliński, three-st'y store and flats; 3315 Laurel St.; cost, \$5,500.

William Menge, four-st'y store and flats; 540 Blue Island Ave.; cost, \$8,000.

Mike Doran, two-st'y store and flats; 2659 Thirty-ninth St.; cost, \$3,500.

Cincinnati, O.—Ed. & Jos. Rewson, eight-st'y brick and stone store and office, n e Fourth and Elm Sts.; cost, \$50,000; architect, Jas. McLaughlin.

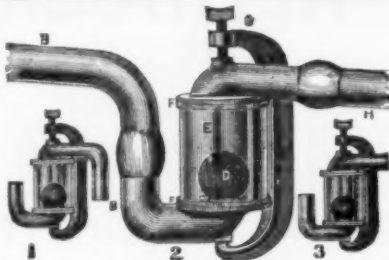
(Stores Continued.)

Detroit, Mich.—George Kennedy, 4 three-sty brick stores, 1318-1324 Grand River Ave.; cost, \$14,000.
A. Lochler, two-sty brick store, 284 St. Aubine Ave.; cost, \$5,400.
John P. Martz, 7 three-sty brick stores, Gratiot Ave.; cost, \$28,000.
John M. Neuhofer, two-sty brick store, 605 Michigan Ave.; cost, \$3,600.
St. Louis, Mo.—Three-sty store and dwell., e s California St., bet. Chipewawa and Peokuk Sts.; cost, \$13,500; owner, H. D. J. Bloemke; contract r, W. Hillerbrandt.
Three-and-one-half-sty store and dwell., w s Broadway, bet. Pestolozzi and Dorcas Sts.; cost, \$4,700; owner, Peter Dussen; contractor, Jno. Schott.
Three-sty store and dwell., w s Meramec St., bet. Compton and Virginia Aves.; cost, \$4,500; owner, Herman Moering; contractor, A. Domstein.
Three-sty store and dwell., n s Franklin Ave., bet. Twenty-first and Twenty-second Sts.; cost, \$4,000; owner, J. J. Bowlen; contractor, Jos. Flannery.
Two-sty store and dwell., s e cor. John and Guy Sts.; cost, \$3,000; owner, Fred Hartmann; contractor, Kuyfille.
Three-sty store and dwell., s s Shenandoah St., bet. Louisiana and Compton Aves.; cost, \$10,000; owner, Christ Lipp; contractor, German Neukum.
Worcester, Mass.—Main St., brick and stone store-building; owner, Thomas Hall; day-work; architects, Fuller & Delano.
Myrtle St., two-sty brick store and office building; owner, M. W. Shannon; day-work.

PROPOSALS.

Treasury Department, Office Supervising Architect, Washington, D. C., August 2, 1893. Sealed proposals will be received at this office until 2 o'clock P. M. on the 24th day of August, 1893, and opened immediately thereafter, for all the labor and materials required to put in place complete a heating and ventilating apparatus in the United States Court-house, Post-office, etc., building at Scranton, Pa., in accordance with drawings and specification, copies of which may be had at this office or the office of the Superintendent at Scranton, Pa. No convict labor nor the use of any product of convict labor will be allowed in the work. Each bid must be accompanied by a certified check for a sum not less than two per cent of the amount of the proposal. The right is reserved to reject any or all bids, and to waive any defect or informality in any bid, if it is deemed in the interest of the Government to do so. All bids received after the time stated will be returned to the bidders. Proposals must be enclosed in envelopes sealed and marked "Proposal for Heating and Ventilating Apparatus for the United States Court-house, Post-office, etc., building at Scranton, Pa.," and addressed to JEREMIAH O'ROURKE, Supervising Architect.
Treasury Department, Office of the Supervising Architect, Washington, D. C., July 27, 1893. Sealed proposals will be received at this office until 2 o'clock P. M. on the 16th day of August, 1893, and opened immediately thereafter, for all the labor and materials required to put in place complete all the plumbing and gas-piping for the United States Court-house and Post-office building at Troy, N. Y., in accordance with the drawings and specification, copies of which may be had at this office or the office of the Superintendent at Troy, N. Y. No convict labor nor the product of any convict labor will be allowed in the work. Each bid must be accompanied by a certified check

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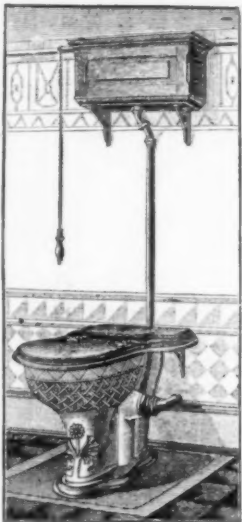
PROPOSALS.

(Proposals Continued.)

for a sum not less than two per cent of the amount of the proposal. The right is reserved to reject any or all bids, and to waive any defect or informality in any bid, should it be deemed in the interest of the Government to do so. All bids received after the time stated will be returned to the bidders. Each proposal must be enclosed in envelopes sealed and marked "Proposal for the Plumbing and Gas-piping for the United States Court-house and Post-office building at Troy, N. Y." and addressed to JEREMIAH O'ROURKE, Supervising Architect.
Proposals for Building Material. Office of Building for Library of Congress, 145 East Capitol Street, Washington, D. C., July 31, 1893. Separate sealed proposals will be received at this office until two o'clock P. M., on Wednesday the sixteenth day of August, 1893, and opened immediately thereafter in presence of bidders, for furnishing and delivering at the Building for the Library of Congress, in this city, the following materials and work, namely: 1. The ironwork and skylights of the roofs of the west main pavilion and all curtains, including attic floor-beams, all but the latter to be erected in place complete. 2. The hollow terra-cotta tiles required for all roofs. 3. Tinned sheet copper and rivets for roofs. 4. Cut granite steps, platforms and area copings of light blue color and fine grain. Specifications, general instructions and conditions and blank forms of proposal may be obtained on application to this office. BERNARD R. GREEN, Superintendent and Engineer. 920

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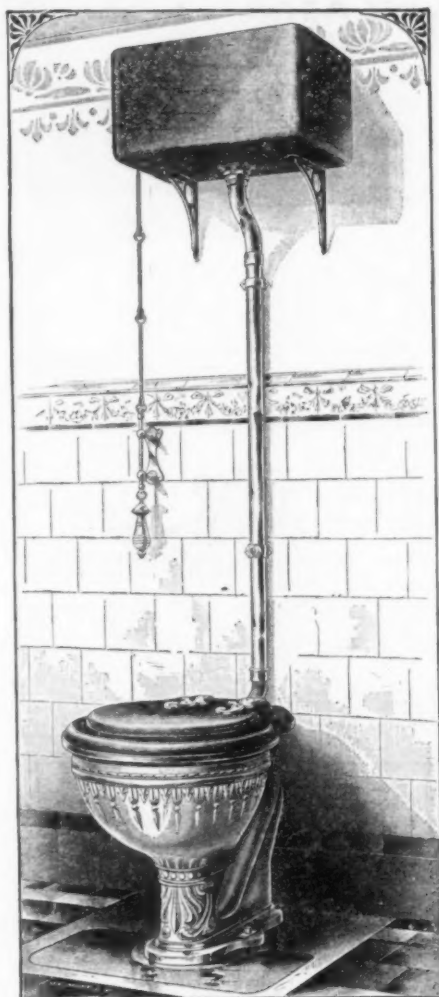
(Proposals Continued.)

Treasury Department, Office Supervising Architect, Washington, D. C., July 25, 1893. Sealed proposals will be received at this office until 2 o'clock P. M. on the 30th day of August, 1893, and opened immediately thereafter, for all the labor and materials required to put in place complete a Heating and Ventilating Apparatus in the United States Post-office, etc., Building, at Sacramento, Cal., 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 Sacramento, Cal. No convict labor nor the use of any product of convict labor will be allowed in this work. Each bid must be accompanied by a certified check for a sum not less than two per cent of the amount of the proposal. The right is reserved to reject any or all bids, and to waive any defect or informality in any bid, if it is deemed in the interest of the Government to do so. All proposals received after the time stated will be returned to the bidders. Proposals must be enclosed in envelopes, sealed and marked "Proposal for Heating and Ventilating Apparatus at the United States Post-office, etc., Building, Sacramento, Cal.," and addressed to JEREMIAH O'ROURKE, Supervising Architect. 920

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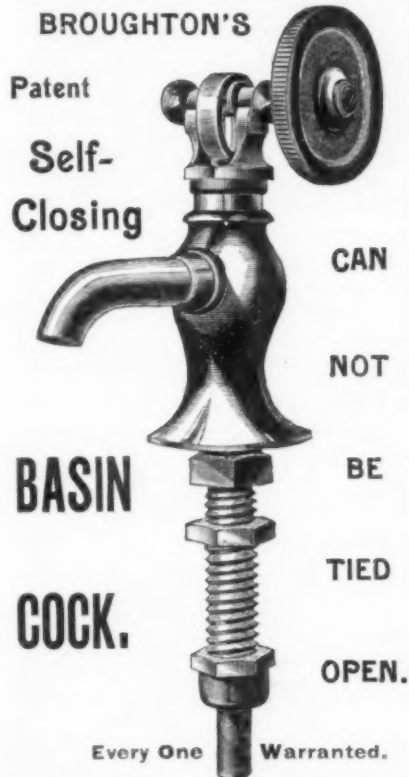
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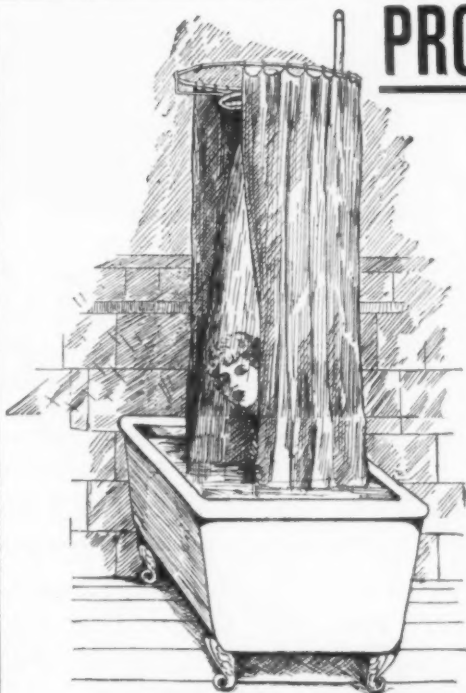
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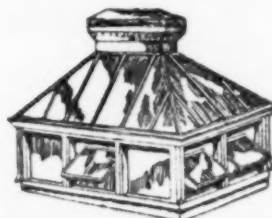
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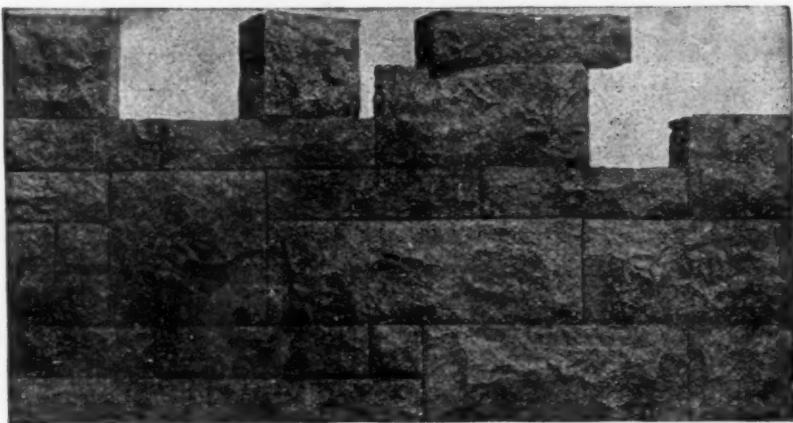
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W. H. Schieffelin & Co., New York, N. Y. (row)	Brick Ashlar.	Clay Shingles.	Morse, Williams & Co., Philadelphia.....
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W. R. Ostrander & Co., New York.....	Brick (Colored).	Conductors (Water).	Springfield Foundry Co., Springfield, Mass.....
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Bailey & Truaxett, Philadelphia, Pa.....(mon)	Brick (Ornamental).	Boston Spiral Tube Works, Boston.....	Whittier Machine Co., Boston.....
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Standard Mfg. Co., Pittsburgh, Pa.....(row)	F. O. Norton Cement Co., N. Y.....	Drawing.	Gas-Machines.
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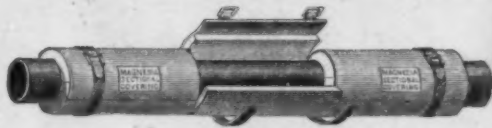
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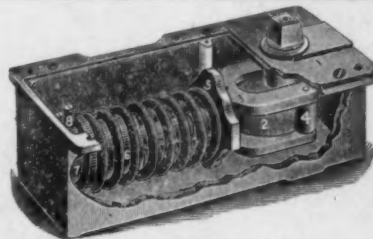
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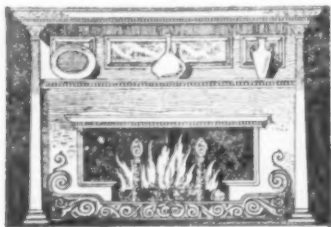
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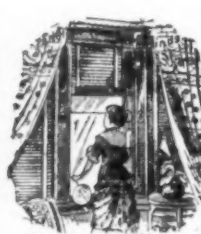
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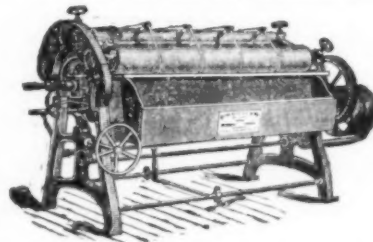
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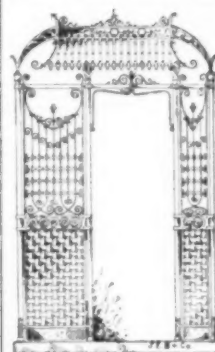
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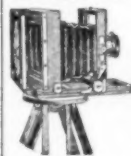
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**S. S. S. CONDUCTOR CO.,
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THE STANDING SEAM allows of an easy and secure fastening, keeping the pipe far enough from the wall to make any overflow from the cave-pipe or head, run down the spout, and not the wall; and will open, in case of freezing, so as to prevent bursting, and still remain double-locked and water-tight.



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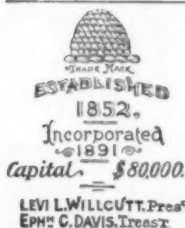
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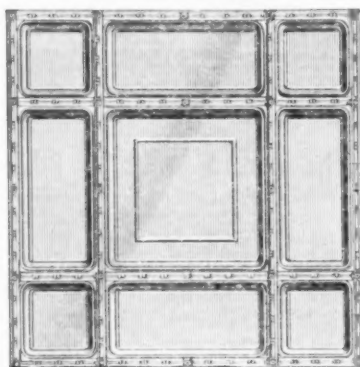
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BUILDING MATERIALS.

LUMBER: - P M.

Boards: (Ordinary dimensions.)

Pine, 1st quality, clear.....

" 2d quality.....

" 3d quality.....

Spruce.....

Hemlock.....

Yellow pine.....

Cypress.....

Clapboards:

Pine.....

Spruce.....

Framing Timber:

Pine.....

Spruce.....

Hemlock.....

Yellow pine.....

Laths:

Pine.....

Spruce.....

Shingles:

Pine, shaved..... P M.

Pine, sawed.....

Spruce, sawed.....

Redwood..... P 125.

Cedar split..... P M.

Cedar sawed.....

Cypress, Split..... 7 x 24.

Miscellaneous:

Piles..... P ft.

Fence pickets, Common.....

Cedar posts, 9 ft. (sq. posts).....

Chestnut posts.....

Finishing Woods: P M. (First Qual.)

Ash..... [Kiln-dried.]

Cherry.....

Butternut.....

Hard-pine floors (rift).....

Mahogany, Baywood (Mexican).....

" St. Domingo.....

Maple.....

Oak, red.....

" white.....

" quartered.....

Sycamore quartered.....

Pine, clear.....

Redwood.....

Rosewood..... P B.

Spruce floors (clear, kiln-dried).....

Walnut, black.....

Whitewood.....

Yellow pine..... P M.

New York.

Boston.

Chicago.

Philadelphia.

(Wholesale Prices.)

(Prices to Builders and Contractors.)

65 00 @ 75 00	55 00 @ 70 00	42 00 @ 50 00	48 00 @ 55 00
55 00 @ 60 00	42 00 @ 50 00	27 00 @ 38 00	40 00 @ 45 00
18 00 @ 22 00	35 00 @ 40 00	14 00 @ 20 00	30 00 @ 35 00
@ 25 00	14 50 @ 25 00	Not sold.	16 00 @ 20 00
ea 134 @ 14	13 00 @ 15 00	@ 12 00	11 25 @ 13 50
20 @ 40	25 00 @ 35 00	21 00 @ 34 00	14 00 @ 29 00
@	31 00 @ 40 00	18 00 @ 34 00	@ 35 00
@	38 00 @ 60 00	19 00 @ 24 00	14 00 @ 25 00
@	23 00 @ 38 00	Not sold.	Not sold.
14 00 @ 18 00	15 50 @ 18 00	12 00 @ 17 50	25 00 @ 37 30
12 00 @ 16 00	13 00 @ 15 00	Not sold.	16 00 @ 18 00
18 00 @ 21 00	22 00 @ 35 00	10 00 @ 13 00	13 00 @ 17 00
		24 00 @ 34 00	22 00 @ 28 00
Slab { 2 10	2 25 @ 2 50	@ 2 65	2 75 @ 3 00
2 15	2 35 @ 3 00	Not sold.	2 50 @ 3 00
5 00 @ 6 00	@	Not sold.	
4 00 @ 5 00	@ 4 50	2 40 @ 3 15	
1 50 @ 2 00	1 50 @	Not sold.	
1 40 @ 1 60	3 75 @ 4 00	6 00 @ 7 50	
@	@	Not sold.	
@	2 00 @ 4 00	2 60 @ 2 75	
18 00 @ 20 00	5 00 @ 6 00	3 50 @ 4 00	
44 @ 51	Piles 6c. P ft.	Cut to order.	
8 00 @ 10 00	10 00 @ 18 00	P. 10 00 @ 22 00	9 00 @ 13 00
@	25 @ 50	9 @ 21	40 @ 1 25
@	25 @ 50	Not sold.	20 @ 30
@ 55 00	45 00 @ 60 00	14 00 @ 30 00	42 50 @ 47 50
80 00 @ 120 00	90 00 @ 120 00	35 00 @ 90 00	100 00 @ 120 00
40 00 @ 60 00	60 00 @ 70 00	17 00 @ 35 00	70 00 @ 80 00
@ 50 00	45 00 @ 50 00		
@ 180 00	150 00 @ 160 00	110 00 @ 170 00	150 00 @ 250 00
@ 350 00	120 00 @ 350 00	200 00 @ 250 00	200 00 @ 400 00
45 00 @ 50 00	45 00 @ 50 00	12 00 @ 20 00	25 00 @ 55 00
@ 70 00	@ 50 00	17 00 @ 27 00	42 50 @ 55 00
@ 70 00	50 00 @ 55 00	16 00 @ 28 00	45 00 @ 55 00
@ 90 00	65 00 @ 75 00	34 00 @ 40 00	60 00 @ 75 00
	50 00 @ 65 00	25 00 @ 28 00	57 50 @ 65 00
	50 00 @ 75 00	33 00 @ 50 00	@ 65 00
	60 00 @ 70 00	40 00 @ 45 00	60 00 @ 75 00
	@ 6	per M. 600 00	
	32 00 @ 35 00		
	35 00 @ 120 00	40 00 @ 75 00	50 00 @ 170 00
	40 00 @ 45 00	14 00 @ 30 00	25 00 @ 40 00
	40 00 @ 42 00	31 00 @ 34 00	@ 42 00

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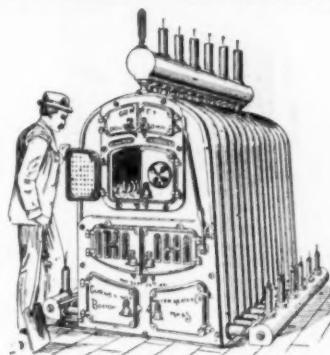
BUILDING MATERIALS.	New York.	Boston.	Chicago.	Philadelphia.
Foundation:	Wholesale Prices.)	(Prices to Builders and Contractors,		
Dimension.....	5 00	5 00	20	5 00
Block.....	4 60	4 60	15	4 50
Rubble.....	1 25	1 25	8 50	1 45
Blue stone: (P sq. ft.)				1 45
Sidewalk.....	30 @ 5 00	40 @ 1 75	75 @ 1 00	1 in. th. 10 @ 25
Planed.....	50 @ 6 00	@ 75	50 @ 1 00	37 @ 50
Sandstone:				
Longmeadow.....	@ 80	80 @ 90	@	35 @ 1 05
Kibbe.....	@ 90	90 @ 1 10	@	1 05 @ 1 25
Brown (Connecticut).....	1 00 @ 95	1 25 @ 1 45	1 50	85 @ 95
Amherst Ohio.....	90 @ 95	90 @ 1 00	45 @ 50	55 @ 75
Berea.....	75 @ 1 00	85 @ 90	45 @ 55	85 @ 95
Berlin.....	75 @ 1 00	80 @ 90	55 @ 65	1 00 @ 1 10
Bellefonte.....	80 @ 1 25	1 25 @ 1 35	@ 1 25	1 05 @ 1 15
New Brunswick (Dorchester).....	@ 1 00	75 @ 90	@	1 25 @ 1 35
Caen.....	@	@ 2 00	@	85 @ 1 05
Carlisle, English.....	@ 1 05	@ 1 05	@	35 @ 1 05
Corse Hill (Scotch).....	@ 1 05	@ 1 05	@	
Marble: (P cu. ft.)				
Lee, Mass.....	@	1 75 @ 2 50	Not Sold.	2 00 @ 2 50
Rutland, white and blue.....	@	@ 3 00	3 50 @ 6 00	2 00 @ 3 00
Sutherland Falls.....	1 25 @ 1 75	@ 2 00	3 50 @ 6 00	1 70 @ 3 00
Glens Falls, black.....	@	@	Not Sold.	4 00 @ 4 50
Italian, blue-veined.....	@	@	@ 4 40	12 50 @ 2 75
Sienna.....	@	@	Not Sold.	4 00 @ 6 00
Tennessee, red.....	@	@	@ 4 40	3 00 @ 4 00
Knoxville.....	@	@	Not Sold.	2 00 @ 3 00
Pennsylvania, blue.....	@	@	3 50 @ 6 00	2 25 @ 3 00
Vermont, white.....	@	@		
Slate: Roofing (P square).....				
green.....	5 00 @ 6 00	4 75 @ 5 25	5 50 @ 6 10	2 30 @ 3 00
unfading.....	5 00 @ 6 00	5 50 @ 6 50	6 50 @ 7 10	3 25 @ 3 75
purple.....	5 00 @ 6 00	5 50 @ 6 50	6 50 @ 7 10	3 50 @ 4 50
red.....	@ 10 00	10 00 @ 11 00	12 00 @ 14 00	1 50 @ 10 25
black, Lehigh.....	4 25 @ 4 75	@	6 25 @ 6 85	225 @ 4 00
Chapmans.....	5 50 @ 8 00	5 50 @ 8 00	7 30 @ 8 00	00 @ 4 65
Unfading black, Monson, Me.....	@	@	6 00 @ 9 00	5 50 @ 8 00
Tiles, Am.....	@	@	Not Sold.	6 00 @ 6 75
N. Peach Bottom, warranted unfading.....	@	@		
PAINTS. (In Oil.)				
White lead, Am.....	7 @ 7 1/2	6 1/2 @ 7	7 @ 7 1/2	@ 7 1/2
zinc.....	5 @ 8 1/2	@ 8	5 @ 10 1/2	@ 7
Red lead, Am.....	6 1/2 @ 7	6 1/2 @ 7	6 1/2 @ 7	@ 7 1/2
Venetian.....	6 @ 10 1/2	7 @ 12	14 @ 2 1/2	@ 7
Vermillion.....	65 @ 70	70 @ 5 dry	65 @ 68	dry Eng. @ 76
Indian, Eng.....	12 @ 20	12 @ 20	12 @ 20	dry Am. @ 1 1/2
Yellow Ochre.....	6 @ 15	7 @ 12	15 @ 25	@ 18
Chrome.....	12 @ 20	18 @ 20	8 @ 20	@ 21
Green (chrome).....	8 @ 13	25 @ 40	18 @ 35	@ 20
Green, Paris.....	25 @ 40	15 @ 25	8 @ 30	@ 12
Black, lamp.....	12 @ 18	18 @ 30	12 @ 35	@ 24
Blue, ultramarine.....	55 @ 62	46 @ 47	57 @ 60	@ 60
Oil, linseed, (raw).....	58 @ 65	49 @ 50	60 @ 63	@ 63
boiled.....	36 @ 37	@ 32	40 @ 42	@ 44
Turpentine.....	@	1 50 @ 6 00	1 25 @ 2 00	125 @ 3 00
Varnish, coach.....	@	2 50 @ 3 00	2 25 @ 4 00	150 @ 3 00
Shellac.....	@	@ 4	@ 2 1/2	@ 2 1/2
Putty.....	75 @ 1 00	1 @ 1 1/2	1 @ 1 1/2	@ 1
Whiting.....	1 30 @ 2 00	2 @ 3	1 1/2 @ 2	@ 2
Paris white, (Eng.).....	54 @ 6	6 1/2 @ 7	6 1/2 @ 7	@ 7 1/2
Litharge, Am.....	14 @ 20	14 @ 20	4 @ 16	4 @ 14
Sienna (burnt).....	14 @ 20	14 @ 20	2 @ 10	2 @ 13
Umber.....	@	@	@	@
HARDWARE.				
Nails: (Per Cask.) Spikes, (wrought).....	@ 2 85	@	2 35 @ 3 50	per keg @ 2 25
10d. common.....	@ 2 60	@ 2 20	@ 1 95	@ 2 30
Shingle.....	@ 3 35	@ 2 65	@ 2 35	@ 2 60
Lathe.....	@ 4 85	@ 3 20	@ 3 25	3 60 @ 4 75
(Finishing nails according to size).....	@	@	Add .85 to \$2.25	per lb. 4 @ 6
(For casing nails add 75 c. per keg).....	@	@	50 to .90	Add per cask
Butts: 4" x 4".....	@	@	@	2 90 (all kinds.)
Plain.....	@ 1 00	@ 1 20	@ 90	@ 90
Japaned.....	@ 1 50	@ 1 75	Not Sold.	1 35 @ 2 00
Acorn, Japaned.....	@ 1 50	@ 1 90	2 00 @ 3 75	1 35 @ 2 75
Ball Tip, Boston Finish..... (P pair).....	@ 65	@ 50	Not Sold.	48 @ 50
Bronze metal.....	@ 1 90	plain 1 65	2 00 @ 3 25	@ 1 25
Brass (for cupboards).....	@ 10	@ 10	@ 12	@ 1 60
Ebony.....	@	@	@	@ 55
Apple wood.....	@	@	@	37 @ 1 00
Knobs: (P set).....				
Mineral, best.....	@ 8	@ 8	8 @ 10	@ 08
Lava.....	@ 5	@ 75	65 @ 80	Not Sold.
Hemacite.....	Not Sold.	17 @ 33	31 @ 40	25 @ 50
Porcelain.....	@ 30	@ 10	25 @ 30	@ 25
Glass, solid.....	Not Sold.	@ 50	Not Sold.	1 00 @ 2 50
Glass, silvered.....	Not Sold.	88 @ 1 00	@ 1 50	1 75 @ 2 00
Bronze metal.....	75 @ 2 00	50 @ 3 00	50 @ 3 00	50 @ 3 50
Brass.....	1 00 @ 2 50	50 @ 3 00	1 00 @ 3 00	75 @ 1 25
Solder:				
Sheet Lead.....	@	@ 7 1/2	@ 7	13 1/2 @ 16
Lead Pipe.....	@	@ 6 1/2	@ 6	@ 6 1/2
Iron:				
I-Beams, up to and including 30 ft.....	3 3-10 @ 3 1/2	@ 3 4-10	@	@ 2 8-10
do. over 30 ft., 1/2 c. adv. for every 5 ft.....	@	@	2 50 @ 2 75	@ 2 8-10
Channel Beams.....	3 3-10 @ 3 1/2	@ 3 4-10	50 @ 2 75	@ 2 8-10

FLUCTUATIONS.

Chicago, Ill. — Material is not in very great demand. Lumber remains low and is sold at a little less than published prices, which is about the condition of all other kindred business in that line. A number of larger enterprises are only waiting for the safety-deposit boxes to yield up their hidden treasures.

New York, N. Y. — Another marked decline will be noticed in the prices of common bricks.

The GURNEY "DOUBLE CROWN"



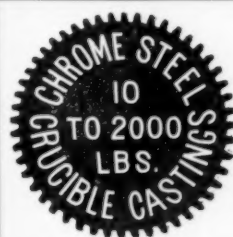
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Hundreds of Testimonials showing these Castings have proved the most satisfactory and economical for all purposes requiring strength and durability.

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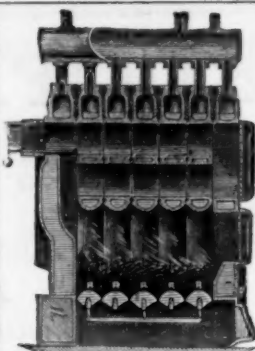
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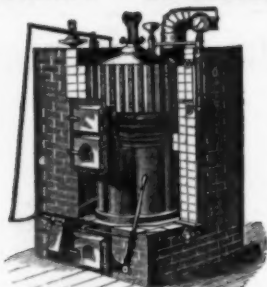
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THE STEAM BOILER
FOR HEATING DWELLINGS, &c.

EASILY MANAGED, ECONOMICAL IN FUEL,
NO PACKED OR BOLTED JOINTS.

Send for Catalogue with full description.

Correspondence with ARCHITECTS
especially solicited.

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offers a complete protection against
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MOLD AND CRYPTOGAMS.**
and is available for both Wood-work and Masonry.

This new substance is a product of the **FABEN-
FABRIKEN** vorm. **FRIEDR. BAYER & CO.**, Elber-
feld, Germany. It has been thoroughly examined
and tested by Professors **V. MILLER** and **HARZ**,
who have stated that

**"ANTINONNIN IS A PEERLESS
PREVENTATIVE OF MILDEW."**

The Chief Inspector of Buildings at Munich, Herr
STETTNEI, and many architects and builders, have
endorsed this view.

ANTINONNIN is odorless, non-volatile, soluble in
water, and makes eligible mixtures with Lime
and other distemper applications.

ANTINONNIN penetrates wood and remains in it,
forming a perfect protection against fungi, mil-
dew, and continuous dampness.

ANTINONNIN is far superior to Tar Oils, Carbolin-
um and similar preparations on account of its
freedom from odor, its ease of application, its
lasting properties, and its **EXTRAORDINARY
POWER AS A DESTROYER** of all fungoid
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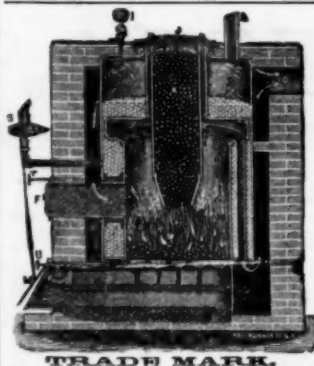
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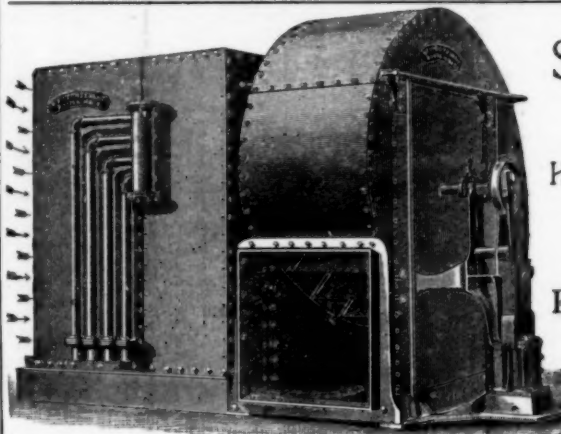
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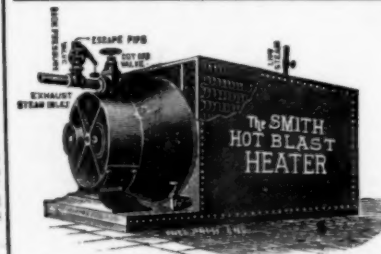
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THIS method frequently gives the desired result on the seashore,—where the salt air bleaches the wood,—but more frequently, and particularly at inland points, the shingles assume a darker tone than is desired, and continue to grow darker still with age. In either case the raw, yellow appearance remains for a considerable time before the change begins.

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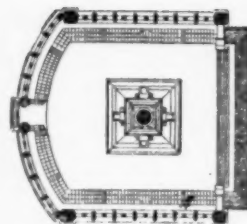
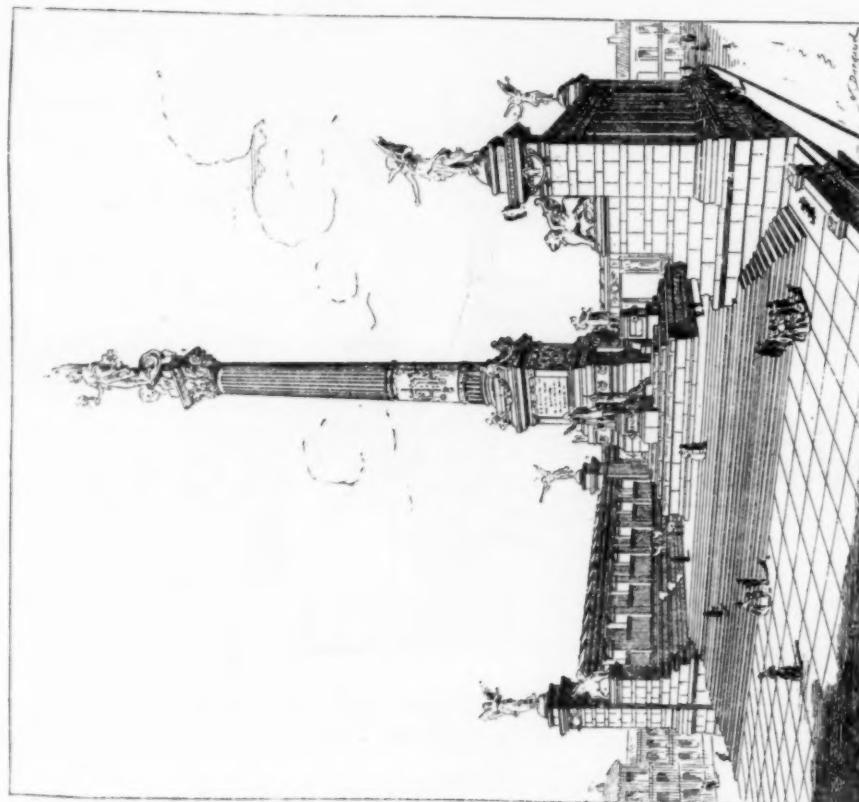
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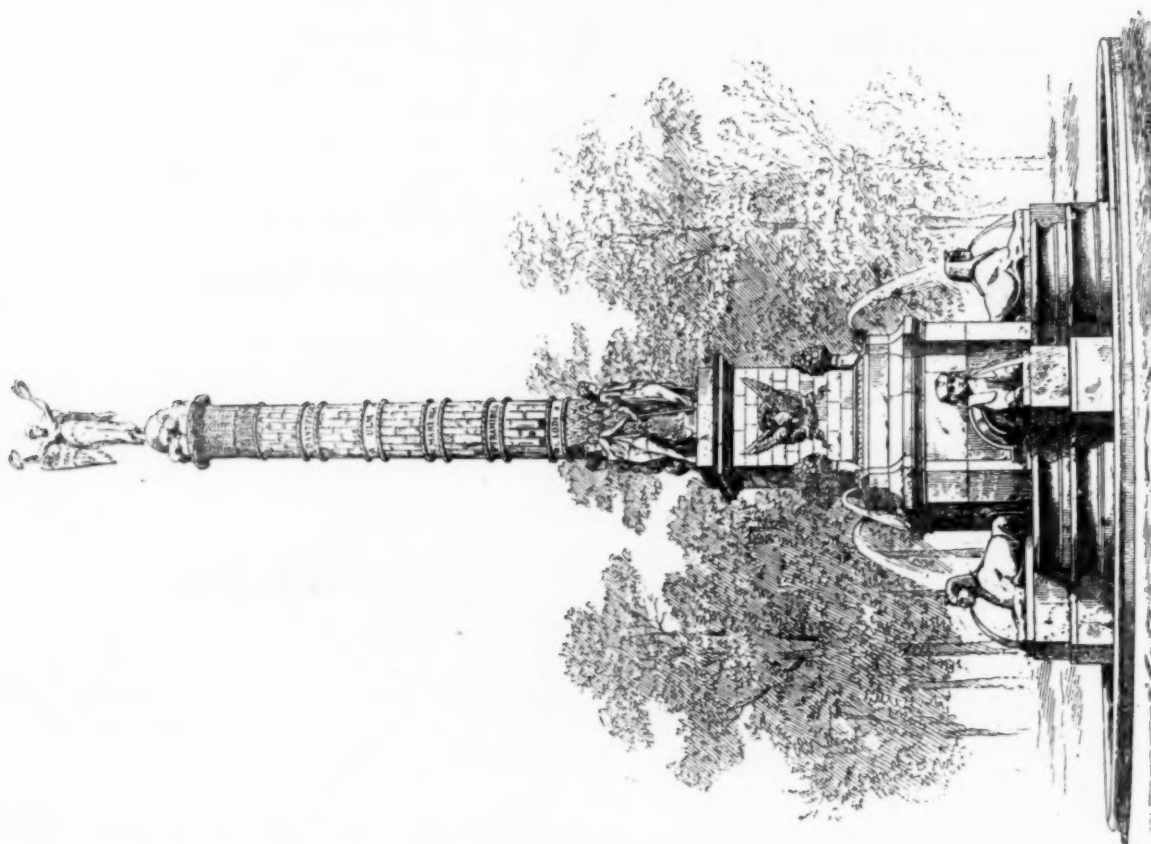
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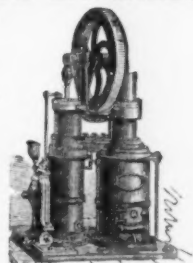
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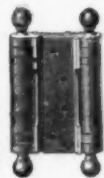
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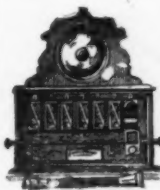
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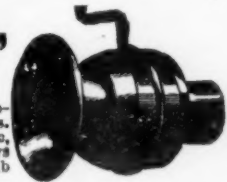
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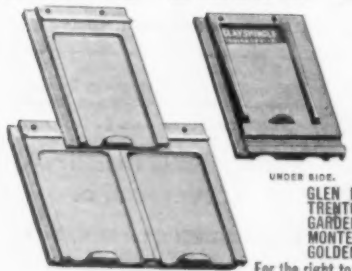
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Bricks.....xx.	Elevators.....i.	Indexes.....xvi, xviii-xix.	Plumbing Supplies.....xvii.	Stained-glass.....ii.
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Pays for itself in decreased cost of insurance—will not "sag" under the heaviest coats of mortar—ensures a perfect ceiling, free from cracks. Its fire-resisting qualities have been demonstrated in three public tests—detailed accounts of which will be mailed to any address upon request.

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August Weber, 44 two-st'y brick buildings, e and w s Duncan Alley, bet. Townsend St. and North Ave.

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Harbor View St., bet. Grant and Newport Sts., three-st'y frame dwell., flat roof, 28' x 54.8'; owner, Nancy White; builder, Patrick Shea.

Howard Ave., near Dalkieth St., Ward 20, frame dwell., 25' x 43'; owner, John Murphy; builders, Harrison & Rockley.

Columbia Terrace, near Columbia St., Ward 24, three-st'y frame dwell., flat roof, 24' x 43'; owner, Neil McInnis; builder, D. McDonald.

Notre Dame St., near Bragdon St., Ward 23, three-st'y frame dwell., hip roof, 25' x 38'; owners and builders, G. Alcock and W. McKay.

Dalkieth St., off Howard St., Ward 20, frame dwell., 25' x 46'; owner, W. Lenchow; builders, Harrison & Rockley.

Georgia St., near Blue Hill Ave., Ward 21, three-st'y frame dwell., flat roof, 30' x 43'; owner, J. C. Pineo; builder, J. H. Pineo.

Bicknell St., near White St., Ward 24, frame dwell., gambrel roof, 27' x 39.6'; owner, Almira S. B. Swift; builder, George Smith.

Ray St., near Circuit St., Ward 21, three-st'y frame dwell., flat roof, 26' x 40'; owner, John Guiney; builder, L. S. Boutler.

Brooklyn, N. Y.—South Third St., n s, 100' e Hooper St., and Hooper St., e s, 72' n Third St., 3 four-st'y brick dwell., tin roofs; total cost, \$26,000; owner and builder, M. Beck, 263 Rutledge St.; architect, Th. Engelhardt, 905 Broadway.

Kingland Ave., e s, 125' n Driggs Ave., three-st'y frame dwell., gravel roof; cost, \$4,200, owner, John Schnitzler, 322 Devos St.

Varet St., s s, 147' w Bogart St., three-st'y frame dwell., tin roof; cost, \$4,000; owner, Baptist Meunier, 246 Varet St.; architect, Louis Hetzelt, 16 Ralph St.

Cincinnati, O.—Abraham Bell, brick and stone dwell., e s Beech Hill Ave.; cost, \$2,800; architect, Roger Hill.

Jon. Roell, two-and-one-half-st'y brick and stone dwell., n s Lincoln Ave.; cost, \$7,800; architect, W. W. Franklin.

Geo. Kileb, two-and-one-half-st'y brick and stone dwell., s s Queen City Ave.; cost, \$3,500; architect, Emil Baude.

H. Schmidt et al., two-and-one-half-st'y brick and stone dwell., e s Eckenbrecker St.; cost, \$5,000; architect, W. W. Franklin.

Ed. Leavitt, owner and architect, two-and-one-half-st'y frame dwell., s s Kinney Ave.; cost, \$3,500.

D. Hus, frame dwell., w s Bates Ave.; cost, \$2,000; architect, F. Pfeiffer.

C. Henleir, two-and-one-half-st'y frame dwell., s s Hewitt Ave.; cost, \$2,500; architect, S. W. Ellman.

N. A. Powers, double two-and-one-half-st'y frame dwell., n s Gilbert Ave.; cost, \$6,000; architect, Ed. Bice.

Henry Schulte, two-and-one-half-st'y brick and stone dwell., n s St. Clair St.; cost, \$3,800; architect, E. F. Baude.

John Mackle, two-and-one-half-st'y brick and stone dwell., n s Vine St.; cost, \$4,000; architect, Wm. Miller, Jr.

Mrs. Withouse, two-and-one-half-st'y brick and stone dwell., 117 Mulberry St.; cost, \$3,250; architects, Reig & Marty.

Jno. Heyle, owner and architect, 30 brick and stone dwell., 78 Bank St.; cost, \$4,200.

Detroit, Mich.—J. E. Mills, frame dwell., 63 Milwaukee Ave.; cost, \$3,000; frame dwell., 812 Boulevard; cost, \$5,000; frame double dwell., 723-725 Fourth Ave.; cost, \$4,000; frame dwell., 218 Willis Ave.; cost, \$3,500.

J. L. Gearing & Sons, three-st'y brick dwell., 470 Jefferson Ave.; cost, \$35,000.

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(Houses Continued.)

Rogers & McFarland, brick double dwell., 36-38 Joy St.; cost, \$9,000.

H. W. McKerrow, frame dwell., 140 Loverette St.; cost, \$3,400.

A. C. Varney, double brick dwell., 87-89 Garfield Ave.; cost, \$8,000.

W. H. Hollands & Sons, two double brick dwell., 5 and 11 Miller St.; cost, \$7,000.

W. H. Hollands & Sons, frame dwell., 633 Sixth St.; cost, \$3,500; double frame dwell., 173 Brainerd St.; cost, \$3,200; four frame dwell., 158-164 Crawford St.; cost, \$10,000.

George A. Johnston, frame dwell., 1526 Twelfth St.; cost, \$3,000.

Germantown, Pa.—Washington Lane, dwell., for C. F. Jenkins; Thomas W. Wright & Son.

Logan Station, Pa.—Plans for a two-and-one-half-st'y shingle dwell., shingle roof; architect, Louis C. Hickman, Brown Bros. Building, Philadelphia, Pa.

Minneapolis, Minn.—W. G. Meade, two-st'y frame dwell., 806 Mt. Curve Ave.; cost, \$6,000.

J. S. McLain, two-st'y frame dwell., Spring Lake and Humboldt St.; cost, \$6,000.

A. Knobloch, two-st'y frame dwell., Bryant St. and Douglass Ave.; cost, \$10,000.

J. T. Baxter, two-st'y frame dwell., Fremont and South Forty-sixth St.; cost, \$4,500.

F. C. Metcalf, two-st'y frame dwell., Fremont and South Forty-sixth St.; cost, \$4,500.

New York, N. Y.—West End Ave., n e cor. One Hundredth St., 6 three-st'y brick dwell., tin roofs; cost, \$95,000; owner, John Bannan, s w cor. Seventy-first St. and Amsterdam Ave.; architects, Neville & Bagge, 217 West One Hundred and Twenty-fifth St.

Trinity Ave., e s, 370' 0" s One Hundred and Sixty-fifth St., 2 three-st'y brick and frame dwell., tin roofs; cost, \$9,000; owner, John G. Borgstede, 825 East One Hundred and Sixty-first St.; architect, John M. McIntyre, 3340 Third Ave.

Pelham Ave., s s, 75' e Arthur Ave., four-st'y brick dwell., tin roof; cost, \$12,000; owner, James Shanley, Pelham Ave., Fordham; architect, John A. Kerby, 722 Tremont Ave.

Philadelphia, Pa.—Montgomery Ave., e bet. Thomp.

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(Houses Continued.)

son and Belgrade Sts., three-sty brick dwell.; builders, James Macauley & Sons, 1328 East Montgomery Ave.
 Thirty-second St., e s, s Montgomery Ave., 6 three-sty brick dwell.; builders, Pemberton & Co., Thirty-second St. and Columbia Ave.
 Dexter St., s s, e Green Lane, three-sty brick dwell.; owner, W. H. Edleman, 480 Green Lane.
 Green Lane, e s, n Spring St., three-sty brick dwell.; W. H. Edleman, 480 Green Lane.
 North Fifth St., No. 2912, three-sty brick dwell.; builders, Kelly & Abrams, 2449 Hope St.
 Tilton St., n s, s Ann St., 8 two-sty brick dwell.; builder, Philip Halbach, s e cor. Twenty-sixth and Thompson Sts.
 South Ninth St., No. 245, three-sty brick dwell.; builder, Thos. A. Lynch, 1619 North Fifteenth St.
 Broad St., n w cor. Mifflin St., three-sty brick dwell.; builder, Jacob R. Jordan, 1636 Broad St.
 Mifflin St., No. 693, three-sty brick dwell.; builder, Warren A. Gibbs, 431 Garden St.
 Harmony St., No. 606, three-sty brick dwell.; builder, Warren A. Gibbs, 431 Garden St.
 Lancaster Ave., n and s s, e City Line, 2 three-sty brick dwell.; builders, Wendell & Smith, Overbrook Station.
 Washington Ave., e s, e Green St., three-sty brick dwell.; builder, W. J. Grubler, 46 Herman St.
 Lee St., w s, s Westmoreland St., two-sty brick dwell.; builder, Thos. Walton, 2627 Muttter St.
 Willow St., n s, e Meadow St., two-sty brick dwell.; builder, Alfred Gray, 4738 Mulberry St.
 Richmond St., w s, n Buckins St., two-sty brick dwell.; owner, Fred. Bremlinger, 4545 Salmon St.
 Cambria St., s s, e Kensington Ave., two-sty brick dwell.; owner, John Kunkle, Cambria and Ruth Sts.
 F St., w s, n Bosbeck St., two-sty brick dwell.; builder, Jos. Ashby, Fox Chase.
 Tacony St., n s, e Bridge St., brick dwell.; builders, Koliner Bros., 2737 Ash St.
 Allegheny Ave., n e cor. Twenty-second St.; builder, Geo. W. Thoop, 2115 Westmoreland St.
 Sugdon St., s s, w Thirty-fourth St., 2 two-sty brick dwell.; builder, Chas. E. Bartle, Thirty-third St. and Lehigh Ave.
 Baltimore Ave., n w cor. Forty-seventh St., 4 three-sty brick dwell.; builders, Edge Bros., Fifty-first St. and Willow Ave.
 City Line, e s, n Lancaster Ave., three-sty brick dwell.; owners, Wendell & Smith, Overbrook Station, P. R. R.
 Yocum St., n s w Sixty-sixth St., 12 two-sty brick dwell.; builder, Wm. Saunders, Lansdowne.
 Schuyler St., w s, s Meadvale Ave., two-sty brick dwell.; builder, W. J. Rheiner, Tioga and Twenty-second Sts.
 Franklin St., n w and s s e near Emlen St., 12 three-sty brick dwell.; builders, Wendell & Smith, Overbrook Station.
 Pierce St., n w s, bet. Tulp and Memphis Sts., 19 two-sty brick dwell.; owner, Owen McArdle, 2544 East Lehigh Ave.
 Pechin St., e s, bet. Martin St. and Lyceum Ave., two-sty mansard brick and stone dwell.; owner, W. F. Rayner, Jr., 4128 Pechin St.
 Locust St., Nos. 1610-12, plans for a brick and stone dwell., for Jno. H. Converse of the Baldwin Locomotive Works; architects, Wilson Bros., Drexel Building.
 Hale St., w s, n Columbia Ave., three-sty brick dwell.; builders, Kahut & Smith.
 C St., e s, Indiana Ave., 25 two-sty brick dwell.; owner, Jacob Marsh, Rising Sun Lane and Fifth St.
 Eyre St., s s, bet. Thompson and Belgrade Sts., two-sty brick dwell.; builder, W. J. Rheiner, Tioga and Twenty-second Sts.
 Fifty-sixth St., e s, n Vine St., 6 two-sty brick dwell.; owner, W. A. Patterson, 5424 Vine St.
 Front St., w s, n Ontario St., two-sty brick dwell.; builder, James Stead, n e cor. D and Cambria Sts.
 Edmund St., w s, n Levick St., two-sty brick dwell.; builder, H. S. Subers, 7036 Tulp St.

BUILDING INTELLIGENCE.

(Houses Continued.)

Pittsburgh, Pa.—Penn Ave., near Raup St., dwell.; owner, Mr. McCaffrey.
 Wilkins Ave., plans for a dwell., for George B. Gordon.
 Reading, Pa.—Plans for a frame and shingle dwell.; architect, Edward K. Mull, 304 Schuylkill Ave.
 Roxborough, Pa.—Plans for a dwell.; owner, J. Vaughn Merrick, Jr.; builder, Sylvester Yardley.
 Somerville, Mass.—Liberty St., frame dwell.; owner, M. L. Palmer; builder, W. W. Calkins.
 Medford St., frame dwell.; owner, Annie L. Fletcher; builder, William Brooks.
 Line St., frame dwell.; owner, Lawrence Cotter; builder, John McGirr.
 Cedar St., frame dwell.; owner, Mrs. L. A. Kendall; builder, G. H. Johnson.
 Summer St., frame dwell.; owner, M. Ransom; builder, G. H. Johnson.
 School St., near Oakland Ave., two frame dwell.; owner, J. S. Thompson; builder, John L. Crowley.
 Grove St., frame dwell.; owner and builder, Israel P. Rice.
 Elm St., frame dwell.; owner, J. Frank Terry; builder, O. B. Marston.
 Beach St., cor. Atherton St., frame dwell.; owner, Alice Haggate; builder, G. E. Hutehinson.
 Albion St., several dwell.; owner and builder, Chas. E. Gould.
 Mossland St., cor. Somerville Ave., frame dwell.; owner and builder, Chas. E. Gould.
 St. Louis, Mo.—Two-sty dwell., e s Slattery St., bet. Benton and Montgomery Sts.; cost, \$4,000; owner, G. Hamplmann; contractor, W. Doman.
 Three-sty dwell., n e cor. Ninth and Barry Sts.; cost, \$5,000; owner, Wm. Manerhaff; contractors, Stoenner & Roeger.
 Two-sty dwell., n s Eads St., bet. California and Nebraska Aves.; cost, \$4,250; owner, Mrs. Stolz; contractor, Frank Dullenheim.
 Two-sty dwell., n s Olive St., bet. Taylor and Newstead Aves.; cost, \$6,000; owner, J. Grass; contractor, Geo. J. Chaplane.
 Two-sty dwell., w s California St., bet. Russell and Acanae Aves.; cost, \$7,000; owner, C. A. Pullis; contractor, H. Loyd.
 Five two-sty brick dwell., n s St. Vincent St., bet. Ohio and California Aves.; cost, \$5,000; owner and contractor, E. Scown.
 Two-sty dwell., n s Loclede St., bet. Channing and Lucas Aves.; cost, \$5,000; owner, Mrs. Anna O'Hara; contractors, Finch, Muerath & Co.
 Wernersville, Pa.—Plans for two-and-one-half sty frame dwell.; owner, P. W. Gerhart; architect, Edward K. Mull, 304 Schuylkill Ave., Reading, Pa.
 Woodbury, N. J.—Plans for a frame dwell., shingle roof; architect, T. Roney Williamson, 136 South Fourth St., Philadelphia, Pa.
 Worcester, Mass.—Southbridge St., three-sty frame dwell.; owner and contractor, P. H. Larkin.
 West Boylston St., two-sty frame dwell.; owner and contractor, C. F. Shaw.
 Kennedy St., two-sty frame dwell.; owner, Chas. Hugo; architects, Geo. & J. P. Kingston; contractors, G. S. & H. G. Hadley.
 John St., two-sty frame dwell.; owner, W. S. Clark; architects, Barker & Nourse; contractors, Rankin & Woodside.
 Summit Ave., two-sty frame dwell.; owner, Mrs. A. A. Fuller; architects, Fuller & Delano; day work.
 Holden Ave., two-sty frame dwell.; owner, E. A. Pierce; contractor, A. E. Bigelow.
 Grafton St., two-sty frame dwell.; owner, Mrs. R. F. Hagberg; contractor, J. T. Gallagher.
 Merrifield St., three-sty frame dwell.; owner, C. Olson; contractor, L. M. Peterson.
 Whipple St., two-and-one-half-sty frame dwell.; owner, J. Becker; contractor, L. M. Peterson.
 Eckman St., two-and-one-half-sty frame dwell.; owner, Jacob Hagberg; contractor, Wm. Burns.
 Tatman St., two-and-one-half-sty frame dwell.; owner, C. Sunstrom; contractor, Wm. O. Burns.

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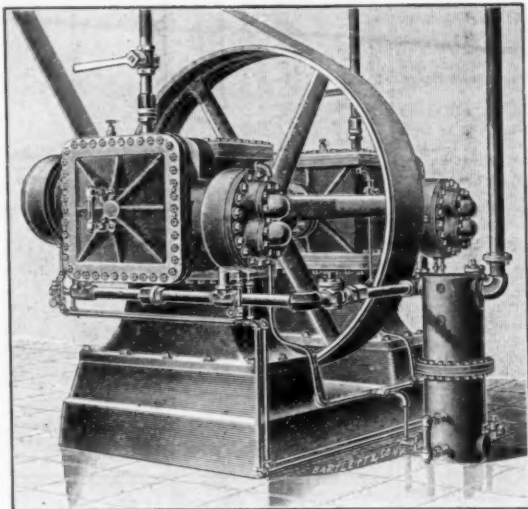
PHILADELPHIA, PA.

BUILDING INTELLIGENCE.

(Houses Continued.)

Millbury St., three-sty frame dwell.; owner, Thos. Haloran; contractor, T. F. Millican.
 South Harding St., three-sty frame dwell.; owner, Mrs. Annie E. Tisdell; contractor, J. & W. Fortier.
 Kansas St., three-sty frame dwell.; owner, C. P. Hart; architect, A. J. Harrington; contractor, P. Casey.
 Millbury St., three-sty frame dwell.; owner, F. J. Hagg; contractor, Nils Eliason.
 OFFICE-BUILDINGS.
 Detroit, Mich.—M. Blay & Son, eight-sty brick office-building, 156-162 Griswold St.; cost, \$130,000.
 New York, N. Y.—Park Row, n e cor. Ann St., eight-sty brick office-building, gravel roof; cost, \$22,500; owner, Joseph Pulitzer, Pulitzer Building; architects, De Lemos & Cordes, cor. Fulton and Nassau Sts.
 SCHOOL-HOUSES.
 Brock, Pa.—School-house; A. L. Delany, Secretary of the Pery and Wayne Township School Board.
 Chicago, Ill.—Board of Education, three-sty school-house, Morgan and Fifty-fifth Sts.; cost, \$60,000.
 The S. E. M. C. College, three-sty school-house; North Ninety-fifth and Crawford Sts.; cost, \$10,000.
 Easton, Pa.—High-school building; builders, Horn, Steinmetz & Co.
 Erie, Pa.—Brick school-house for St. Paul's German Evangelical Lutheran Church; builder, Fred. Zeisinger.
 Harrisburg, Pa.—Seneca and Fifth Sts., school-house by the School Board of Susquehanna County.
 Honeybrook Township, Pa.—Two-sty school-house; School Board of Honeybrook Township.
 May's Landing, N. J.—School building; builder, John W. Auld.
 Mt. Holly, N. J.—Plans for a two-and-one-half-sty brick school-house; architects, Moses & King, 431 Walnut St., Philadelphia, Pa.
 Northampton Township, Pa.—Plans for a school-house; architects, Moses & King, 341 Walnut St., Philadelphia, Pa.; Frank Dill, District Clerk, Mt. Holly, N. J.
 Passaic, N. J.—School-house; Board of Education.
 Quakertown, Pa.—School-house; builder, Henry G. Weidmoyer.
 Rock Ridge, Pa.—School-house; James Micholson, Connelville, can give information.
 St. Louis, Mo.—School-house, w s Jefferson Ave., bet. Wyoming and Utah Sts.; cost, \$21,000; St. Louis B. of P. Schools; contractor, H. B. Bareker.
 School-house, w s King's Highway s St. Louis Ave.; cost, \$22,000; owner, St. Louis B. of P. Schools; contractor, Wm. Doman.
 School-house, s s Kennally St., bet. Taylor St. and Marcus Ave.; cost, \$21,000; owner, St. Louis B. of P. Schools; contractor, M. Britt.
 Two-sty school-house, cor. Maple and Goodfellow Aves.; cost, \$15,000; owners, St. Louis B. of P. Schools; contractors, O'Malley Bros.
 Medical College, n e cor. Beaumont and Chestnut Sts.; cost, \$7,000; owners, Barnes Medical College; contractor, C. C. Menzel.
 One-sty brick school-house, Ohio and Cherokee Sts.; cost, \$22,000; owners, St. Louis B. of P. Schools; contractor, M. Britt.
 Woodbine, N. J.—Two school-houses.
 Worcester, Mass.—Anarat St., one-sty frame school-house; owners, City of Worcester; contractor, C. A. Colburn; architects, Fuller & Delano.
 Elizabeth St., two-sty brick and stone school-house; owners, City of Worcester; contractor, P. D. Sexton; architect, Geo. H. Clemence.

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BUILDING INTELLIGENCE.

STABLES.

Boston, Mass.—*Ashley Ave.*, near Breed St., Ward 1, one-st'y frame stable, pitch roof, 22' x 30', owner, John Booth; builder, W. McKee.
Washington St., rear, near Marcella St., Ward 21, one-st'y frame stable, pitch roof, 25' x 35'; owners, Sisters of Notre Dame Academy; builder, Edwin Oliver.
Wren St., near Oriole St., Ward 23, frame stable, pitch roof, 16' x 22'; owner, R. G. Watt.
Avon St., rear, near Pond St., Ward 23, frame stable, 37' x 61'; owner, Mrs. W. F. Weld.
Dorchester Ave., rear, cor. Bay St., Ward 24, frame stable, 24' x 24'; owner, P. A. Burns.
Chicago, Ill.—Frank Sheldon, two-st'y stable, 211 Evanston Ave.; cost, \$6,000.
William Flagg, two-st'y barn, 19 Woodlawn St.; cost, \$3,000.
Devon, Pa.—Stone and frame stable for Dr. James.
Germantown, Pa.—*Greene and Johnson Sts.*, brick stable for Mrs. B. P. Wilson; builders, Thos. W. Wright & Son.
Newark, N. J.—*East Orange St.*, stable for Wm. Ward; architect, B. F. Hurd, 423 Prudential Building.
New York, N. Y.—*Eighty-fourth St.*, Nos. 151-153, five-st'y brick stable, tin roof; cost, \$90,000; owner, Florence B. Poole, 131 East Forty-third St.; architect, George F. Pelham, 1481 Broadway.
One Hundred and Thirty-fifth St., s. s. 260' e Lenox Ave., three-st'y brick stable, gravel roof; cost, \$15,000; owner, Mary A. Kelly, 309 West One Hundred and Forty-third St.; architect, G. A. Schellinger, 128 Broadway.
Philadelphia, Pa.—*Wissahickon St.*, w. s. n. Mannheim St., one-st'y brick stable; builder, W. J. Gruhler, 46 Herman St.
Mervine St., No. 1748, one-st'y brick stable; builders, Schmitz Bros., 1605 Fawn St.
Southampton St., s. s. w. Main St., one-st'y brick stable; builder, Geo. S. Roth, East Union Ave.
Westminster Ave., s. s. w. Fifty-seventh St., two-st'y brick stable; owner, Andrew Orr, 5724 Westminster Ave.
Laycock St., e. s. bet. Seventy-ninth and Eightieth st. and stone stable; owner, Thos. Waldron, Seventy-ninth and Laycock St.
Melloy St., No. 1009, three-st'y brick stable; builder, H. M. Irwin, 42 South Sixteenth St.
Somerville, Mass.—*Webster St.*, frame stable and shop; owner, Geo. W. Bower; builder, W. O. Francis.
Cameron Ave., frame stable; owner, Mrs. Maggie A. Sewell; builder, E. Sewell.
Worcester, Mass.—*Downing St.*, one-and-one-half-st'y frame stable; owner, M. E. Bradley; contractor, J. A. Larkham.
Summit Ave., one-st'y frame stable; owner, Mrs. A. A. Fuller; architects, Fuller & Delano; day work.
Grafton St., one-st'y frame stable; owner, Mrs. R. F. Hagberg; contractor, J. T. Gallagher.
Douglas St., one-st'y frame stable; owner, Lotique Dubois; day work.

BUILDING INTELLIGENCE.

(Stables Continued.)

Green St., one-st'y brick stable; owner, M. Barry; day work.
Hacker St., one-st'y frame stable; owner and contractor, N. Fortier.

STORES.

Boston, Mass.—*Cove St.*, Nos. 86-88, Ward 12, five-st'y brick store, flat roof, 44.10' x 81'; owners, W. J. Corbett & Co.
Brooklyn, N. Y.—*Christopher St.*, s. w. cor. Belmont Ave., three-st'y frame store and dwell., tin roof; cost, \$5,000; owner, Dora Wolf, Christopher St. and Sutter Ave.
Chicago, Ill.—Herman Juhuke, four-st'y store and flats, 355 West Erie St.; cost, \$8,000.
David Bush, four-st'y store and flats, 1289 West Twenty-second St.; cost, \$10,000.
N. R. Sorenson, three-st'y store and flats, 321 West Chicago Ave.; cost, \$6,500.
M. Zeitt, four-st'y store and flats, 274 East North Ave.; cost, \$4,000.
James E. Komzak, two-st'y store and flats, 1210 Washenau Ave.; cost, \$4,500.
Phillip Kochler, three-st'y store and flats, 5643 Wabash Ave.; cost, \$8,000.
John Sassell, three-st'y store and flats, 1680 West Twelfth St.; cost, \$7,000.
M. Dity, two-st'y store and flats, 399 Albany Ave.; cost, \$3,000.
Jacob Rosen, four-st'y store and flats, 402 South Morgan St.; cost, \$6,000.
John Ahrens, three-st'y store and flats, 473 West Chicago Ave.; cost, \$5,000.
Smyth Croak, three-st'y store and flats, 1702 North Clark St.; cost, \$6,000.
John Grady, 2 four-st'y store and flats, 276-278 West Twelfth St.; cost, \$18,000.
Aug. Uhlir, one-st'y store, 6249-6253 Halsted St.; cost, \$3,000.
Peter Snyder, three-st'y store and flats, 946 Lincoln Ave.; cost, \$5,000.
Charles Meyer, three-st'y store and flats, 745 West Fourteenth St.; cost, \$6,000.
Kasper Schmidt, 5 three-st'y stores and flats, 389-397 Desplains St.; cost, \$20,000.
Cincinnati, O.—G. H. Verkamp, four-st'y brick and stone store and flats, 312 West Fifth St.; cost, \$6,000; architect, J. G. Steinkamp.
Casper Klug, two-and-one-half-st'y frame store and dwell., s. w. Corey Ave.; cost, \$2,500; architects, Reig & Marty.
Ed. & Joe. Renson, 8 brick and stone stores and dwell., n. e. cor. Fifth and Elm Sts.; cost, \$50,000; architect, J. W. McLaughlin.
Detroit, Mich.—George S. Prentiss, two-st'y brick store, 105 Monroe Ave.; cost, \$6,000.
T. G. Williams, four frame stores, 1296-1302 Fort St., West; cost, \$7,000.
Doylestown, Pa.—Three-st'y brick store; owner, Frank Worthington.
Minneapolis, Minn.—S. A. Steam, three-st'y brick store, 324 South First Ave.; cost, \$6,000.
New York, N. Y.—*Fifty-ninth St.*, n. s. 145' w Third Ave., six-st'y brick store, gravel roof; cost, \$250,000; owner, L. G. Bloomingdale, 21 East Sixty-third St.

BUILDING INTELLIGENCE.

(Stores Continued.)

architects, Buchman & Deisler, 11 East Fifty-ninth St.
Philadelphia, Pa.—*Chelton Ave.*, Germantown, 2 two-st'y brick stores and office-buildings, owner, Thomas P. Baxter; architects, Yarnall & Goforth, 14 South Broad St.
Filbert and Tenth Sts., 12 seven-st'y brick stores; architects, Cope & Stewardson, 320-24 Walnut St.
Reading, Pa.—*Schuylkill Ave.*, n. e. cor. Windsor St., plans for a three-st'y brick and terra-cotta store; owner, Wm. T. Snyder; architect, Edward K. Mull, 304 Schuylkill Ave.
Somerville, Mass.—*Medford St.*, near Broadway, frame store; owner, Mr. Burke; builder, Chas. E. Gould.
St. Louis, Mo.—Two-st'y brick store and dwell., w. s. Twentieth St., bet. Newhouse and Angelica Sts.; cost, \$3,270; owner, Hy. Hukenberg; contractor, Hy. Warrmann.
Three-st'y brick store and dwell., s. e. cor. Garrison and Washington Aves.; cost, \$18,000; owner, J. W. Berkley, contractors, Nicholson Bros.
Two-st'y store and dwell., w. s. Twentieth St., bet. Penrose and Ferry Sts.; cost, \$3,500; owner, H. C. Hartemann; contractor, F. Klumeyer.

TENEMENT-HOUSES.

Boston, Mass.—*Brighton St.*, No. 92, cor. Barton Ct., Ward 8, four-st'y brick tenement, flat roof, 38.7' x 47.5'; owner and builder, H. Bilafsky.
Battery St., cor. Commercial St., Ward 6, four-st'y brick tenement and store, flat roof, 24' x 244.5'; owners, Battery Wharf Store Co.; builders, Whidder & Co.

WAREHOUSES.

Allegheny, Pa.—*Beaver Ave. and Spring St.*, brick warehouse; owners, The Liggett Spring and Axle Company.
Cincinnati, O.—Hauke Bros., four-st'y brick and stone warehouse, 461-63 Main St.; cost, \$15,000; architect, Louis Picket.
Eagle White Lead Co., three-st'y brick and stone warehouse, s. e. Broadway; cost, \$10,000; architect, M. Rumbaugh.
Philadelphia, Pa.—*Spafford St.*, No. 729, three-st'y brick warehouse; builders, Duroes & Dougherty, 1104 South Eighth St.
Academy St., s. s. w. Tenth St., five-st'y brick warehouse; builders, Benj. Ketcham & Sons, 1029 Brown St.

MISCELLANEOUS.

Altoona, Pa.—Plans for a Lake House for the R. R. E.; architect, Lindley Johnson, Girard Building, Philadelphia, Pa.
Boston, Mass.—*Granite St.*, near Richard St., Ward 13, one-st'y brick refining-house, flat roof, 46' x 144'; owners, American Sugar Refining Co.; builder, C. W. Cole.
Winter Pl., No. 2, Ward 10, four-st'y brick restaurant, flat roof, 21' x 49'; owner, Frederick Brown.
Dudley St., No. 507, Ward 20, one-st'y frame offices and storage, flat roof, 16 2' x 43.6'; owner, Eliza Haines; builders, Medland & Head.

(Miscellaneous Continued.)

Pynchon St., near Penryn St., Ward 21, frame hall, pitch roof; owners, Germania Association; builder, J. Luppold.

Carbondale, Pa.—Brick and stone brewery; owner, Peter Krantz; builders, Messrs. Schroeder & Hanson.

Chicago, Ill.—Chicago Water Palace Co., two-sty restaurant and waiting-rooms, Van Buren St. and Lake Shore; cost, \$70,000.

Cincinnati, O.—D. W. Craig, two and four-sty brick and stone buildings, 349 West Fifth St.; cost, \$3,250; architect, E. R. Tischler.

Crawford, N. J.—Stone station; owner, The Central Railroad of New Jersey.

Harriman, Tenn.—The American Temperance University will be erected at a cost of about \$75,000.

Harrisburg, Pa.—Stone library building; architect, John T. Windrim, 1107 Walnut St.

Jersey City, N. J.—A building for the National Guard Armory; builders, Joseph Junkes & Son.

Knoxville, Tenn.—The Third National Bank will build a three-sty stone front building to cost about \$35,000.

Newtown, Pa.—State St., building for a plant for the Newtown Electric Light and Power Co.

Philadelphia, Pa.—Wood St., bet. Broad and Thirtieth St., plans for two brick and terra-cotta buildings to be used as a morgue. Chief Eisenhower, of the Bureau of City Property and Director Windrim can give information.

Main St., e s, w P. & R. R., two-sty brick powerhouse; builder, Matthew Schmid, 639 North Sixth St.

Fairmount Park, plans for a two-sty brick and stone barge-house for the Bachelor's Barge Club; architects, Hazelhurst & Huxel, Drexel Building.

Thirtieth St., n York St., one-sty frame car repair shed; owners, Philadelphia & Reading R. R. Co.

Hamilton St., s w cor. Sixty-fourth St., one-sty brick tool-house; owner, John J. Kearney, 406 North Sixty-fourth St.

Second St., below Huntingdon St., plans for a brick hall for the Lantonia Maennerchor; architect, R. Gedoffroy, 1219 Arch St.

Allegheny Ave. and *Nineteenth St.*, plans for the mills of W. G. Warden; architect, Walter H. Geisinger; builder, Geo. W. Stewart, 230 Diamond St.

Fairmount Park, building for a guard house by A. Rankin; architect, Lindley Johnson, Girard Building.

Wistar St., n s, rear coal-yard R. R. R., one-sty brick mill; builder, Morris Rufe, Wistar St. and R. R.

Cambridge St., n s, w Twentieth St., one-sty brick gymnasium; builders, Wintz & Hermann, 1618 North Twenty-seventh St.

Greenwood Ave., n s, e Fifth St., one-sty brick machine shop; builder, Geo. Stuart, 2336 North Sixth St.

Ontario St., n w cor. Twentieth St., two-sty brick orphanage; builder, S. W. Lewis, 1826 Tioga St.

Seventh St., w s, n Market St., four-sty brick storehouse; builders, Rush J. Whiteside & Son, 228 Mt. Vernon St.

Frankford St., w s, s Norris St., four-sty Y. M. C. A. Building; builders, Wm. Steele & Son, 506 Walnut St.

Franklin St., w s, s Cumberland St., 4 one-sty stone, wood and glass greenhouse; owners, Chas. Schuck & Bro., 2455 North Eighth St.

Reading, Pa.—Schuylkill Ave. and Jefferson St., plans for a four-sty brick and terra-cotta business

(Miscellaneous Continued.)

building; owner, Joseph B. Gunter; architect, Edward K. Mull, 304 Schuylkill Ave.

Seranton, Pa.—Plans for a four-sty brick and terra-cotta exchange building, copper roof; owners, Central Pennsylvania Telephone and Supply Co.; architects, Culver & Hudson, 234 West Fourth St., Williamsport, Pa.

St. Louis, Mo.—Grain elevator, Mound St., bet. Main and Commercial Sts.; cost, \$40,000; owners, Victoria Milling Co.; contractors, Stewart & Co.

Foundation for convent, n s Gravois St., bet. Banberger and Guine Sts.; cost, \$45,000; owners, Sisters of the Good Shepherd; contractor, Jas. H. Bright.

Seven-sty building, e s Fourth St., bet. Washington Ave. and St. Charles St.; cost, \$150,000; owners, Collier Estate; contractors, Givans & Steinhoff.

Freight-house, s s Poplar St., bet. Eighteenth and Nineteenth Sts.; cost, \$12,000; owners, Wells Fargo Express Co.; contractor, Jno. Bull.

Tampa, Fla.—The Louisiana Lottery Co. will erect a three-sty sandstone and brick building to cost about \$60,000.

Troy, Pa.—Plans for a brick and stone court-house, slate roof; architects, Culver & Hudson, 234 West Fourth St., Williamsport, Pa.

Wilkesburg, Pa.—Building for the First National Bank; cost about \$30,000.

Williamsport, Pa.—Club-house to cost about \$25,000 for the Republicans.

Woodbury, N. J.—Bank building, slate roof; architect, T. Koney Williamson, 136 South Fourth St., Philadelphia, Pa.

Worcester, Mass.—Thomas St., two-sty frame blacksmith shop; owner, A. L. Gilman; contractor, J. A. Brigham; architects, Barker & Nourse.

Burncoat St., two-sty brick and stone engine-house; owners, City of Worcester; contractors, Rankin & Woodside; architects, Geo. & J. P. Kingston.

Grafton St., one-sty frame bakery; owner, Mrs. R. F. Hagberg; contractor, J. T. Gallagher.

Asylum St., one-sty brick boiler-house; owner, J. E. Wesson; contractors, H. Meilen & Son.

PROPOSALS.

Treasury Department, Office Supervising Architect, Washington, D. C., August 12, 1893. Sealed proposals will be received at this office until 2 o'clock P. M. on the 5th day of September, 1893, and opened immediately thereafter, for all the labor and materials required for the excavation, foundations, basement and area walls, basement columns, and first-floor iron beams and wood joists, etc., of the United States Post-office and Custom-house building at Fargo, N. Dak., in accordance with the drawings and specification, copies of which may be had at this office or the office of the Superintendent. No convict labor nor any product of convict labor will be allowed in the work. Each bid must be accompanied by a certified check for a sum not less than two per cent of the amount of the proposal. The right is reserved to reject any and all bids, or to waive any defect or informality in any bid, if it is deemed in the interest of the Government to do so. All proposals received after the time stated will be returned to the bidders. Proposals must be enclosed in envelopes sealed and marked "Proposal for Excavation, Foundations, etc., of the United States Post-office and Custom-house building at Fargo, N. Dak.," and addressed to JEREMIAH O'ROURKE, Supervising Architect.

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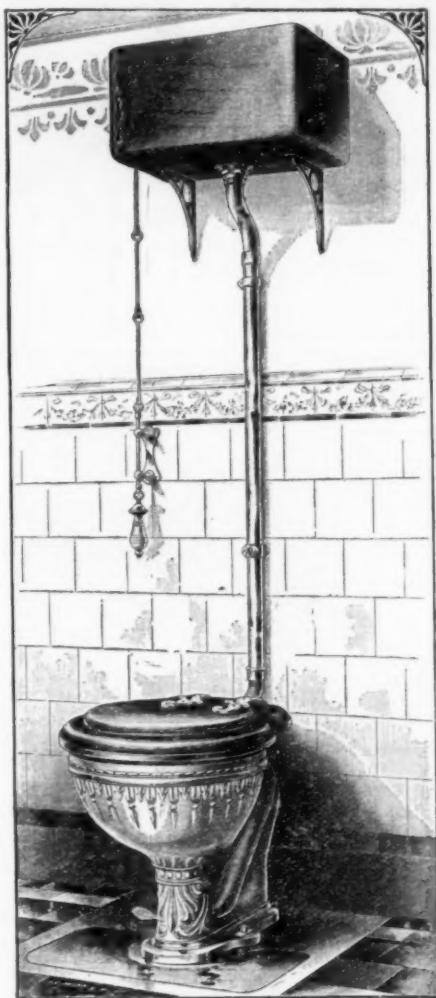
PROPOSALS.

(Proposals Continued.)
Treasury Department, Office Supervising Architect, Washington, D. C., August 2, 1893. Sealed proposals will be received at this office until 2 o'clock P. M. on the 24th day of August, 1893, and opened immediately thereafter, for all the labor and materials required to put in place complete a heating and ventilating apparatus in the United States Court-house, Post-office, etc., building at Seranton, Pa., in accordance with drawings and specification, copies of which may be had at this office or the office of the Superintendent at Seranton, Pa. No convict labor nor the use of any product of convict labor will be allowed in the work. Each bid must be accompanied by a certified check for a sum not less than two per cent of the amount of the proposal. The right is reserved to reject any or all bids, and to waive any defect or informality in any bid, if it is deemed in the interest of the Government to do so. All bids received after the time stated will be returned to the bidders. Proposals must be enclosed in envelopes sealed and marked "Proposal for Heating and Ventilating Apparatus for the United States Court-house, Post-office, etc., building at Seranton, Pa.," and addressed to JEREMIAH O'ROURKE, Supervising Architect.

ALPHABETICAL LIST OF ADVERTISERS.

The (E) indicates that the advertisement may be found in the last or the following issue: the (M) that it may be found in the first issue for each month.

A.		F.		L.		R.	
Adee & Co., Fred.....	xvi	Falt & Co., J. F.....	xix	Lamb, J. & H.....	ii	Handolph & Clowes.....	x
Aeschmann & Fellars.....	ii	Farguhar's Sons, John.....	xix	Lamb & Ritchie.....	ii	Hartman Hollow & Forness Brick Co.....	xix
Albro Co., E. D.....	(Cov.) 3	Fisher & Co., Robert C.....	xviii	Lane Bros.....	xix	Read, J. J.....	(M)
Alsen's Cement Works.....	(Cov.) 4	Flake, Homes & Co.....	xviii	Lawrence Cement Co.....	(Cov.) 4	Richardson & Boynton Co.....	xiii
Altender, Theo. & Son.....	xix	Fleming Cement & Brick Co.....	x	Leak-Belt Engineering Co.....	xii	Rider Engine Co.....	xix
American Encaustic Tile Co.....	1	Flynt Building & Construction Co.....	x	Link & Burnham Co.....	xii		
American Lightning Protection Co.....	v	French & Co., Samuel H.....	(Cov.) 3				
Anthony & Co., E. & H. T.....	(Cov.) 2	Frink, I. F.....	x				
Apollis Iron & Steel Co.....	(Cov.) 2	Frost & Adams.....	x				
Armstrong & Co., Maitland.....	3						
B.		G.		M.		S.	
Babcock & Wilcox.....	x	Gates, W. H.....	xv	Mason & Co., Volney W.....	1	Samson Cordage Works.....	x
Bailey Reflector Co.....	x	Globe Ventilator Co.....	xviii	Mathews Decorative Glass Co.....	xix	Schiffinger, J. J.....	xvi
Baily & Truett.....	(M)	Gorton & Lidgerwood Co.....	xix	Maurer & Son, Henry.....	xix	Scott, J. B. & Co.....	xiii
Baltimore Hoofing Tile Co.....	xv	Graves Elevator Co.....	xix	McDonald, Donald.....	ii	Selton, John.....	xviii
Bardley, J.....	(Cov.) 3	Graves & Stell, R. S.....	ii	Miller & J. Bro.....	xiii	Shannon, J. B. & Sons.....	(M)
Batterson, See & Eisen.....	1	Gurney Hot-Water Heater Co.....	xix	Miller & Coates.....	xiii	Shaw & Johnson.....	x
Belmont Iron Works.....	x	Guastavino Fireproof Construction Co.....	xix	Moore & Co., E. B.....	ii	Sheppard & Co., Isaac A.....	xvi
Berry Bros.....	xiii			Morse & Wymann.....	i	Sherwood, G. F.....	xix
Bickelhaupt, G.....	(Cov.) 2			Morse, Williams & Co.....	ix	Smith & Anthony Stone Co.....	(Cov.) 2
Bischoff & Co., Fred F.....	x			Mott Iron Works, J. L.....	xvii	Smith & Edge Mfg. Co.....	vi
Blake Bell Co.....	x			Mullins, W. H.....	ii	Smith, M. A. H.....	vi
Bolles, J. E.....	x			Murphy Varnish Co.....	xii	S. S. Conductor Co.....	x
Bridgeport Wood Finishing Co.....	x					Spaulding & Moss.....	xii
Brizey, W. R.....	x					Standard Elevator Co.....	i
Brown, Chas. H. & Co.....	(Cov.) 3					Standard Mfg. Co.....	x
Brooks, T. H. & Co.....	(M)					Standard Paint Co.....	(Cov.) 3
Brownville Maine Slate Co.....	x					Standard Terra-cotta Co.....	xx
Bureau Bros.....	(M)					Stebbins Mfg. Co.....	xx
Burditt & Williams.....	iv					Stephens, Armstrong & Conkling.....	xx
C.						Sturtevant Co., R. F.....	vi
Cabaret, Paul E.....	x						
Cadot, S.....	xvii						
Central Expanded Metal Co.....	x						
Chrome Steel Works.....	x						
Clark, Bunnett & Co.....	(Cov.) 4						
Clark, G. S.....	(M)						
Clarkson, T. S.....	xix						
Clay Shingle Co.....	x						
Clinton Wire Cloth Co.....	xv						
Columbia Encaustic Tile Co.....	1						
Constock, Wm. T.....	x						
Conover & Co., J. S.....	(Cov.) 4						
Continental Insurance Co.....	(Cov.) 4						
Cortright Metal Roofing Co.....	xiii						
Crane Elevator Co.....	xvii						
Cudell, F. E.....	xvii						
Cutter Electrical and Mfg. Co.....	xvii						
Cutter Mfg. Co.....	xvii						
D.							
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Devos & Co., F. W.....	x						
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Dickinson Bros. & King.....	(Cov.) 3						
Dixon Granite Co., Jos.....	xix						
Du Bois Mfg. Co.....	xvii						
Duggan, T. H.....	x						
Duplex Hanger Co.....	x						
E.							
Engineering Employment Bureau.....	xii						
Estbrook Pen Co.....	(M)						
F.							
Falt & Co., J. F.....	xix						
Farguhar's Sons, John.....	xix						
Fisher & Co., Robert C.....	xviii						
Flake, Homes & Co.....	xviii						
Fleming Cement & Brick Co.....	x						
Flynt Building & Construction Co.....	x						
French & Co., Samuel H.....	(Cov.) 3						
Frink, I. F.....	x						
Frost & Adams.....	x						
G.							
Gates, W. H.....	xv						
Globe Ventilator Co.....	xviii						
Gorton & Lidgerwood Co.....	xix						
Graves Elevator Co.....	xix						
Graves & Stell, R. S.....	ii						
Gurney Hot-Water Heater Co.....	xix						
Guastavino Fireproof Construction Co.....	xix						
H.							
Haberstroh & Son, L.....	ii						
Haines, Jones & Cadbury Co.....	ii						
Hansen, H. M.....	(M)						
Harrison Bros. & Co.....	x						
Hayes, Geo.....	(Cov.) 3						
Heliotype Printing Co.....	3						
Hessling & Spielmeier.....	x						
Higgins, Chas. M.....	xv						
Hill, George.....	xii						
Hodge Brothers.....	x						
Hosown & Horwath.....	x						
Huyett & Smith Mfg. Co.....	vi						
Hydraulic Press Brick Co.....	xx						
I.							
Indianapolis Terra-Cotta Co.....	xx						
Insurance Co. of North America.....	h						
J.							
Jackson Architectural Iron Works.....	xiv						
Jackson, E. A. & Bro.....	x						
Jackson & Co., Wm. H.....	(Cov.) 4						
Jarden Brick Co.....	xx						
Jenkins Bros.....	x						
Johns Mfg. Co., H. W.....	x						
Johnson & Wilson.....	(Cov.) 4						
Jones, J. & Son.....	xiii						
K.							
Karr, C. P.....	xii						
Kaueby, R. A.....	(Cov.) 3						
Kaueby & Mattison Co.....	(Cov.) 3						
Kemper, Alfred C.....	(Cov.) 3						
Kilbourne & Jacobs Mfg. Co.....	xvii						
King & Co., J. B.....	x						
Kinnear & Gager Co.....	xiii						
L.							
Lamb, J. & H.....	ii						
Lamb & Ritchie.....	ii						
Lane Bros.....	xix						
Lawrence Cement Co.....	(Cov.) 4						
Leak-Belt Engineering Co.....	xii						
Link & Burnham Co.....	xii						
M.							
Mason & Co., Volney W.....	1						
Mathews Decorative Glass Co.....	xix						
Maurer & Son, Henry.....	xix						
McDonald, Donald.....	ii						
Merchant & Co.....	v						
Miller & J. Bro.....	xiii						
Miller & Coates.....	xiii						
Moore & Co., E. B.....	ii						
Morse & Wymann.....	i						
Morse, Williams & Co.....	ix						
Mott Iron Works, J. L.....	xvii						
Mullins, W. H.....	ii						
Murphy Varnish Co.....	xii						
N.							
Nassau, James.....	xix						
National Wood Mfg. Co.....	xx						
Neuchatel Asphalt Co.....	x						
New England Felt Hoofing Works.....	ii						
N. J. Steel & Iron Co.....	(Cov.) 4						
New Jersey Wire Cloth Co.....	xiii						
N. Y. Architectural Terra-Cotta Co.....	xx						
New York Central Iron Works Co.....	vi						
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New York Metal Celling Co.....	(Cov.) 3						
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Northrop, H. S.....	(M)						
Northwestern Terra-Cotta Co.....	xx						
Norton Cement Co., F. O.....	x						
O.							
Oakley & Keating.....	xii						
Obdyke & Co., W. Austin.....	ii						
Okonite Co. (Ltd.).....	(M)						
Ostrander & Co., W. H.....	ii						
Otis Bros. & Co.....	i						
P.							
Page Steam Heating Co.....	vi						
Pacific Rolling Mill Co.....	xv						
Peerless Brick Co.....	xx						
Penrhyn Slate Co.....	x						
Perth Amboy Terra-Cotta Co.....	xx						
Phoenix Iron Co.....	xv						
Pioneer Fireproof Construction Co.....	xix						
Pitt, W. R.....	(M)						
Pittsburgh Terra-Cotta Lumber Co.....	x						
Potomac Red Sandstone Co.....	xix						
Power, M. J. & Son.....	xix						
Prescott, J. B. & Son.....	(M)						
Prince & Murr.....	x						
Pullman Bath Balance.....	(M)						
Q.							
Quincy, J. W.....	x						
R.							
Read, J. J.....	(M)						
Richardson & Boynton Co.....	xiii						
Rider Engine Co.....	xix						
S.							
Samson Cordage Works.....	x						
Schiffinger, J. J.....	xvi						
Scott, J. B. & Co.....	xiii						
Selton, John.....	xviii						
Shannon, J. B. & Sons.....	(M)						
Shaw & Johnson.....	x						
Sheppard & Co., Isaac A.....	xvi						
Sherwood, G. F.....	xix						
Smith & Anthony Stone Co.....	(Cov.) 2						
Smith & Edge Mfg. Co.....	vi						
Smith, M. A. H.....	vi						
S. S. Conductor Co.....	x						
Spaulding & Moss.....	xii						
Standard Elevator Co.....	i						
Standard Mfg. Co.....	x						
Standard Paint Co.....	(Cov.) 3						
Standard Terra-cotta Co.....	xx						
Stebbins Mfg. Co.....	xx						
Stephens, Armstrong & Conkling.....	xx						
Sturtevant Co., R. F.....	vi						
T.							
Taylor Co., N. A. & G.....	x						
Taylor, J. W.....	x						
Taylor & Paving Co., Mass.....	x						
Thiele, E.....	(Cov.) 3						
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Thorn Shingle & Ornament Co.....	(M)						
Trotter & Co.....	x						
Tucknor & Co.....	xx						
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U.							
U. S. Mineral Wool Co.....	xviii						
V.							
Vaile & Young.....	(Cov.) 2						
Van Noorden & Co., E.....	(Cov.) 2						
Van Wagoner & Williams Co.....	ix						
W.							
Waldo Bros.....	xx						
Warren Chemical & Mfg. Co.....	xx						
Watts DeGolyer Co.....	iv						
Watson Co., H. F.....	xiii						
Webster, J. G.....	4						
Whittier Machine Co.....	x						
Wilton Refrigerator Co.....	(Cov.) 3						
Williams, J. G.....	ix						
Wilson, J.....	(Cov.) 4						
Wood Mosaic Co.....	(M)						
Worthington, Henry R.....	iv						
Y.							
Yale & Towne Mfr. Co.....	x						



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PLATE 1134-G.

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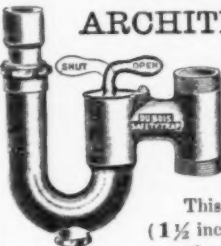
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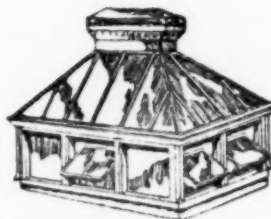
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Air Valves. Hodge Bros., Boston, Mass....
Antinomia. W. H. Schufflin & Co., New York, N. Y. (saw)
Annunciators. W. R. Ostrander & Co., New York....
Architects. Bailey & Truett, Philadelphia, Pa. (mon)
Architect's Materials. Frost & Adams, Boston.... (saw)
Architectural Sheet-Metal Ornamental Works. W. H. Mullins, Paoli, O.
Artificial Stone. Wenn Pavement Co., New York, N. Y. (saw)
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Basin Cocks. Stebbins Mfg. Co., Brighton, Mass. (saw)
Bath-Tub. Fred. F. Buschhoff & Co., Chicago, Ill. (saw)
Miller & Coates, New York....
J. L. Mott Iron Works, New York....
Standard Mfg. Co., Pittsburgh, Pa. (saw)
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Randolph & Clowes, Watertown, Conn....
Babcock & Wilcox Co., New York....
Wm. T. Comstock, New York....
Heating & Spillmeyer, New York, N. Y....
Tucknor & Co., Boston....

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Brick (Ornamental). Fleming Cement & Brick Co., New York. (saw)
W. H. Gates, Boston, Mass. (saw)
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Festus Brick Co., Philadelphia, Pa....
Waldo Bros., Boston....
Brick Machine. The Frey, Sheekler Co., Bucyrus, O. (saw)
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M. J. Power, New York....
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Fleming Cement & Brick Co., New York. (saw)
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Lawrence Cement Co., New York, N. Y....
E. Theiss, New York, N. Y....
Chimney Tops. H. M. Hansen, Chicago, Ill. (saw)

Chrome Steel Castings. Chrome Steel Works, Brooklyn, N. Y. (saw)
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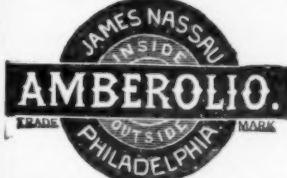
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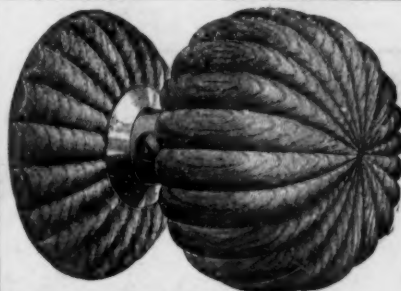
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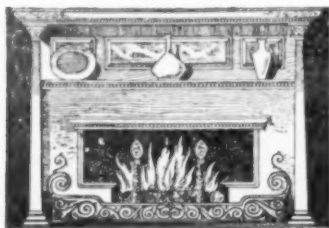
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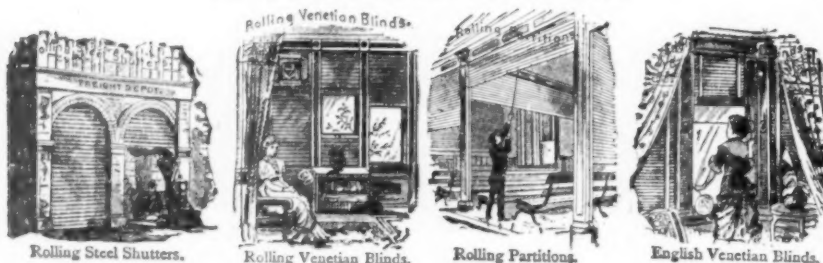
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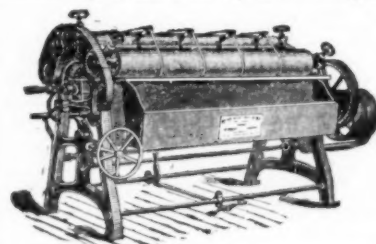
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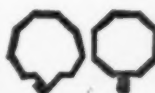
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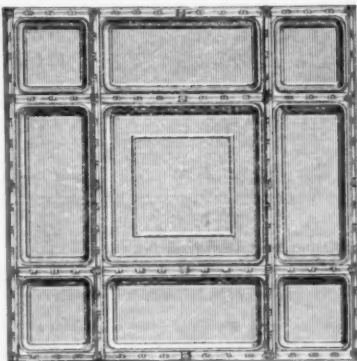
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LUMBER.—P. M.				
Boards: (Ordinary dimensions.)				
Pine, 1st quality, clear.....	65 00 @ 75 00	55 00 @ 70 00	42 00 @ 50 00	48 00 @ 55 00
" 2d quality.....	55 00 @ 60 00	42 00 @ 50 00	27 00 @ 38 00	40 00 @ 45 00
" 3d quality.....	18 00 @ 22 00	35 00 @ 40 00	14 00 @ 20 00	30 00 @ 35 00
Spruce.....	@ 25 00	14 50 @ 25 00	Not sold.	16 00 @ 20 00
Hemlock.....	ea 13 1/2 @ 14	13 00 @ 15 00	@ 12 00	11 25 @ 13 50
Yellow pine.....	20 @ 40	25 00 @ 35 00	21 00 @ 34 00	14 00 @ 29 00
Cypress.....	@	31 00 @ 40 00	18 00 @ 34 00	@ 35 00
Clapboards:				
Pine.....	@	38 00 @ 60 00	19 00 @ 24 00	14 00 @ 25 00
Spruce.....	@	23 00 @ 38 00	Not sold.	Not sold.
Framing Timber:				
Pine.....	14 00 @ 18 00	15 50 @ 18 00	12 00 @ 17 50	25 00 @ 37 50
Spruce.....	12 00 @ 16 00	13 00 @ 15 00	Not sold.	16 00 @ 18 00
Hemlock.....	18 00 @ 21 00	22 00 @ 35 00	10 00 @ 13 00	13 00 @ 17 00
Yellow pine.....			24 00 @ 34 00	22 00 @ 28 00
Laths:				
Pine.....	Slab { 2 00	2 25 @ 2 50	@ 2 65	2 75 @ 3 00
Spruce.....	{ 2 15	2 35 @ 3 00	Not sold.	2 30 @ 3 00
Shingles:				
Pine, shaved..... P. M.....	5 00 @ 6 00	@	Not sold.	
Pine, sawed..... "	4 00 @ 5 00	@ 4 50	2 60 @ 3 15	
Spruce, sawed..... "	1 50 @ 2 00	1 50 @ 00	Not sold.	
Redwood..... P. M.....	1 40 @ 1 60	3 75 @ 4 00	6 00 @ 7 50	(30" \$35 @ 40
Cedar split..... P. M.....	@	@	Not sold.	24" 8 @ 21
Cedar sawed..... "	@	2 00 @ 4 00	2 60 @ 2 75	(20" 35 @ 14
Cypress Split..... 7 x 24. "	18 00 @ 20 00	5 00 @ 6 00	3 50 @ 4 00	11 00 @ 14 00
Miscellaneous:				
Piles..... P. ft.....	4 1/2 @ 5 1/2	Piles 6c. P. ft.....	Cut to order.	
Fence pickets, Common.....	8 00 @ 10 00	10 00 @ 18 00	P. 10 00 @ 22 00	9 00 @ 13 00
Cedar posts, 9 ft. (sq. posts.).....	@	25 @ 50	9 @ 21	40 @ 1 25
Chestnut posts.....	@	25 @ 50	Not sold.	20 @ 30
Finishing Woods; P. M. (First Qual.)				
Ash.....	@ 55 00	45 00 @ 60 00	14 00 @ 30 00	42 50 @ 47 50
Cherry.....	80 00 @ 120 00	90 00 @ 120 00	35 00 @ 90 00	100 00 @ 130 00
Butternut.....	40 00 @ 60 00	60 00 @ 70 00	17 00 @ 35 00	70 00 @ 80 00
Hard-pine floors (rift).....	@ 50 00	45 00 @ 50 00		
Mahogany, Baywood (Mexican).....	@ 180 00	150 00 @ 160 00	110 00 @ 170 00	150 00 @ 250 00
Maple.....	@ 350 00	120 00 @ 350 00	200 00 @ 250 00	200 00 @ 400 00
Oak, red.....	45 00 @ 50 00	45 00 @ 50 00	12 00 @ 20 00	25 00 @ 55 00
" white.....	@ 70 00	@ 50 00	17 00 @ 27 00	42 50 @ 55 00
" quartered.....	@ 90 00	50 00 @ 55 00	16 00 @ 28 00	45 00 @ 55 00
Sycamore quartered.....		65 00 @ 75 00	34 00 @ 40 00	60 00 @ 75 00
Pine, clear.....	65 00 @ 70 00	50 00 @ 65 00	25 00 @ 28 00	57 50 @ 65 00
Redwood.....	60 00 @ 70 00	50 00 @ 75 00	33 00 @ 50 00	@ 65 00
Rosewood..... P. ft.....	@ 6	60 00 @ 70 00	40 00 @ 45 00	60 00 @ 75 00
Spruce floors (clear, kiln-dried).....		32 00 @ 35 00	per M. 600 00	
Walnut, black.....	125 00 @ 150 00	85 00 @ 120 00	40 00 @ 75 00	50 00 @ 170 00
Whitewood.....	45 00 @ 50 00	40 00 @ 45 00	14 00 @ 30 00	25 00 @ 40 00
Yellow pine..... P. M.....	@ 45 00	40 00 @ 42 00	31 00 @ 34 00	@ 42 00

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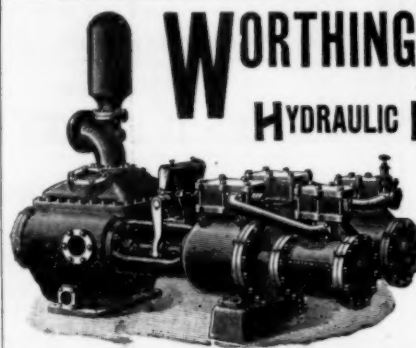
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	New York.	Boston.	Chicago.	Philadelphia.
	(Wholesale Prices.)	(Prices to Builders and Contractors.)		
BRICK.—P. M.				
Common: Cargo afloat.				
Pale.....	2 25 @ 2 50	Eastern } 9 00 @ 10 00	Building Brick	Sq. Hard @ 9 00
Jersey.....	3 75 @ 4 25		@ 5 00	@ 7 00
Long Island.....	4 25 @ 5 00			Salmon @ 5 00
Up River.....	4 50 @ 4 75			Sq. " @ 9 00
Haverstraw Bay 2d.....	5 00 @ 5 25			Light Stretchers
" 1st.....	@ 13 00			Medium " @ 12 00
Hollow.....				Red " @ 13 00
Fronts:				Dark " @ 13 00
Croton, Brown.....	9 00 @ 12 00			Pressed " @ 20 00
" dark.....	10 00 @ 13 00			Best Paving @ 14 00
" red.....	10 00 @ 13 00			Second " @ 13 00
Chicago pressed (Anderson).....				Third " @ 12 00
" Moulded.....				Dom. { @ 65
Baltimore.....	37 00 @ 41 00			@ 82
Philadelphia.....	23 00 @ 24 00			
Trenton.....	@ 19 00			
Milwaukee.....				
Moulded:				
Glens Falls Red Pressed.....	@ 37 00			
" " Buff.....	@ 30 00			
" " Moulded Red & Buff.....	45 00 @ 70 00			
Enamelled: Imp.				
Enamelled (edge).....	85 00 @ 100 00			
Enamelled (edge and end).....	90 00 @ 115 00			
CEMENT, LIME, etc.—(P. M.)				
Rosendale Cement.....	95 @ 1 10			
Louisville.....				
Utica, Akron, Buffalo, Milw'kee.	Not sold.			
Portland, English (Gibbs).....	2 25 @ 2 50			
" " (K. B. & S.).....	2 50 @ 3 00			
" " Black Cross.....	2 25 @ 2 50			
" " (Burnham).....	2 50 @ 2 50			
" " (White's).....	2 65 @ 3 00			
" French (Lafarge).....	3 00 @ 3 75			
" German (Alsen).....	2 00 @ 3 25			
" " (Feyer).....	2 25 @ 2 40			
" " (Lagerdofer).....	2 50 @ 2 90			
" " (Dyckerhoff).....	2 50 @ 2 90			
" " (Hanover).....	2 35 @ 2 85			
" " Stettin (Anchor).....	2 15 @ 2 25			
" American (Saylor's).....	2 75 @ 3 00			
Roman.....	4 50 @ 5 30			
Keene's coarse.....	5 00 @ 5 50			
" superfine.....				
Lime:				
Lime of Tell.....	3 50 @ 4 00			
Hydraulic Lime.....	@ 1 45			
Chicago Lime in bulk.....				
Wisconsin Lime.....	@ 90			
Rockland and Rockport, (Com.).....	@ 1 00			
Rockland and Rockport, finish.....	@ 1 00			
Kelley Island Lime, finish.....	@ 80			
State, com. cargo rates (nom.).....	1 05 @ 1 10			
State, finishing.....	1 40 @ 1 50			
Plaster of Paris (calcined).....	@ 1 00			
" (casting).....	16 @ 18			
Hair (Cattle) & bush.....	18 @ 21			
" (Goat).....	1 00 @ 1 25			
Sand, & load.....				
STONE. (P. cubic foot, rough.)				
Granite: (Maine)				
Limestone:				
Bedford.....	45 @ 1 25			
Joliet.....	1 00			
Lemont.....				
Serpentine.....				

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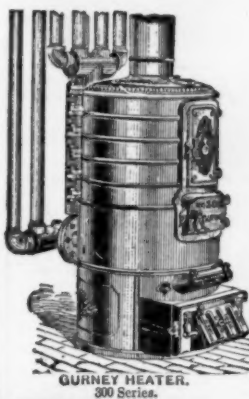
Dimension.....	5 00 @ 500	20 @	5 00
Block.....	4 60 @ perch.	125 @ 150	Conshocken 1 45 @ 2 50
Rubble.....	50 @ 6 00	40 @ 1 75	1 in. th. 10 @ 25
Bluestone: (P sq. ft.)		75 @ 1 00	37 @ 50
Sidewalk.....	30 @ 5 00	50 @ 1 00	
Planned.....	50 @ 6 00		
Sandstone:			
Longmeadow.....	80 @ 80	80 @ 90	95 @ 1 05
Kibbe.....	90 @ 90	90 @ 1 10	
Brown (Connecticut).....	1 00 @ 95	1 25 @ 1 45	1 05 @ 1 25
Amherst Ohio.....	90 @ 95	90 @ 1 00	85 @ 95
Berea.....	75 @ 1 00	85 @ 90	55 @ 75
Berlin.....	75 @ 1 00	80 @ 90	85 @ 95
Belleville.....	80 @ 1 25	1 25 @ 1 35	1 00 @ 1 10
New Brunswick (Dorchester).....	80 @ 1 00	75 @ 90	1 05 @ 1 15
Caen.....		75 @ 2 00	1 25 @ 1 35
Carlisle, English.....	8 @ 1 05	8 @ 1 05	95 @ 1 05
Corse Hill (Scotch).....	8 @ 1 05	8 @ 1 05	95 @ 1 05
Marble: (P cu. ft.)			
Lee, Mass.....		1 75 @ 2 50	2 00 @ 2 50
Rutland, white and blue.....		8 @ 3 00	2 00 @ 3 00
Sutherland Falls.....	1 25 @ 1 75	8 @ 2 00	1 70 @ 3 00
Glens Falls, black.....			4 00 @ 4 50
Italian, blue-veined.....			12 50 @ 2 75
" Sienna.....			8 @ 5 00
Tennessee, red.....			4 00 @ 6 00
" Knoxville.....			3 00 @ 4 00
Pennsylvania, blue.....			2 00 @ 3 00
Vermont, white.....			2 25 @ 3 00
Slates: (P sq. ft.)			
green.....	5 00 @ 6 00	4 75 @ 5 25	5 50 @ 6 10
" unfading.....	5 00 @ 6 00	5 50 @ 6 50	6 50 @ 7 10
" purple.....	5 00 @ 6 00	5 50 @ 6 50	6 50 @ 7 10
" red.....	5 00 @ 10 00	10 00 @ 11 00	12 00 @ 14 00
" black, Lehigh.....	4 25 @ 4 75		6 25 @ 6 85
" " Chapmans.....			7 30 @ 8 00
" Unfading black, Monson, Me.....	5 50 @ 8 00	5 50 @ 8 00	6 00 @ 9 00
Tiles, Am. M.....			Not Sold.
N. Peach Bottom, warranted unfading.....			

PAINTS. (In Oil P lb.)

White lead, Am. zinc.....	7 @ 7 1/2	6 1/2 @ 7	7 @ 7 1/2	
Red lead, Am. zinc.....	5 @ 8	6 1/2 @ 7	6 1/2 @ 10 1/2	
" Venetian.....	6 1/2 @ 7	7 @ 12	1 1/2 @ 2	
" Vermillion.....	65 @ 70	70 @ 5 dry	65 @ 68	dry Eng. @ 7
" Indian, Eng.....	12 @ 20	12 @ 20	12 @ 20	Eng. @ 76
Yellow Ochre.....	6 @ 15	7 @ 12	3 @ 15	dry Am. @ 1 1/2
" Chrome.....	12 @ 20	18 @ 25	15 @ 25	
Green (chrome).....	8 @ 13	8 @ 20	8 @ 20	" 15 @ 21
Green, Paris.....	25 @ 40	25 @ 40	18 @ 35	" 8 @ 12
Black, lamp.....	15 @ 25	15 @ 25	12 @ 35	10 @ 24
Blue, ultramarine.....	12 @ 18	18 @ 30	57 @ 60	60 @ 60
Oil, linseed, (raw).....	55 @ 62	46 @ 47	60 @ 63	63 @ 63
" " boiled.....	58 @ 65	49 @ 50	40 @ 42	44 @ 44
Turpentine.....	36 @ 37	1 50 @ 6 00	1 25 @ 2 00	125 @ 3 00
Varnish, coach.....		2 50 @ 3 00	2 25 @ 4 00	150 @ 3 00
Shellac.....			2 @ 2 1/2	2 @ 2 1/2
Putty.....	2 @	1 @ 1 1/2	1 @ 1 1/2	2 @ 1
Whiting.....	75 @ 1 00	2 @ 3	1 1/2 @ 2	1 1/2 @ 2
Paris white, (Eng.).....	1 30 @ 2 00	2 @ 3	6 @ 7	4 @ 14
Litharge, Am.....	5 @ 6	6 @ 7	2 @ 10	2 @ 13
Sienna (burnt).....	14 @ 20	14 @ 20		
Umber.....	14 @ 20	14 @ 20		

HARDWARE.

Nails: (Per Cask.) Spikes, (wrought.)	@ 2 85	@ 2 20	2 35 @ 3 50	per keg @ 2 25
10d. common.....	@ 2 60	@ 2 65	2 00 @ 3 75	@ 2 30
Shingle.....	@ 3 35	@ 2 65	2 00 @ 3 25	@ 2 60
Lath.....	@ 4 85	@ 3 20	Add .85 to \$2.25	per lb 4 @ 6
(Finishing nails add 75 c. per keg.)			".50 to .90	Add per cask 2 90 (all kinds.)
Butts: 4" x 4".....(P doz. pairs.)				
Plain.....	@ 1 00	@ 1 20	@ 90	1 35 @ 2 00
Japaned.....	@ 1 50	@ 1 75	Not Sold.	1 35 @ 2 75
Acorn, Japaned.....	@ 1 50	@ 1 90	2 00 @ 3 75	48 @ 50
Ball Tip, Boston Finish.....(P pair.)	@ 65	@ 50	Not Sold.	@ 1 25
Bronze metal.....	@ 1 90	plain 1 65	2 00 @ 3 25	@ 1 00
Brass (for cupboards).....	@ 10	@ 10	@ 12	@ 35
Ebony.....				37 @ 1 00
Apple wood.....				
Knobs: (P set.)				
Mineral, best.....	@ 8	@ 8	8 @ 10	@ 68
Lava.....	@ 50	@ 75	65 @ 80	Not Sold.
Hemlock.....	Not Sold.	17 @ 33	31 @ 40	25 @ 50
Porcelain.....	@ 30	@ 10	25 @ 30	@ 25
Glass, solid.....	Not Sold.	@ 50	Not Sold.	1 00 @ 2 50
Glass, silvered.....	Not Sold.	88 @ 1 00	@ 1 50	1 75 @ 2 00
Bronze metal.....	75 @ 2 00	50 @ 3 00	50 @ 3 00	50 @ 3 50
Brass.....	1 00 @ 2 50	50 @ 3 00	14 @ 16	75 @ 1 25
Solder:				134 @ 16
Sheet Lead.....		@ 7 1/2	5 1/2 @ 6	@ 6 1/2
Lead Pipe.....		@ 6 1/2		@ 6
Iron:				
1-Beams, up to and including 30 ft.....	3 3-10 @ 3 1/2	@ 3 4-10	2 50 @ 2 75	@ 2 8-10
do. over 30 ft., 1/2 c. adv. for every 5 ft.	3 3-10 @ 3 1/2	@ 3 4-10	50 @ 2 75	@ 2 8-10
Channel Beams.....	3 3-10 @ 3 1/2	@ 3 4-10		@ 2 8-10



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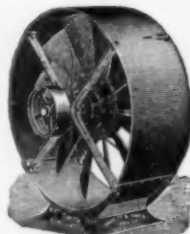
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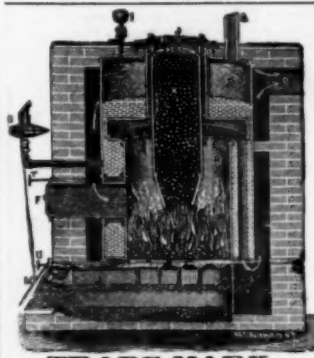
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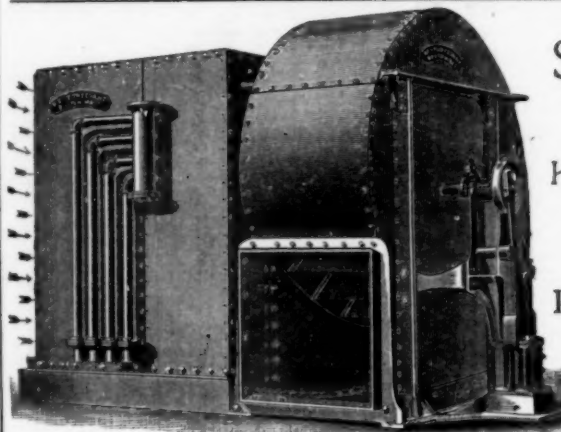
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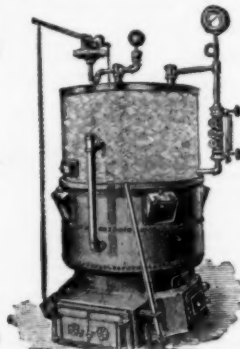
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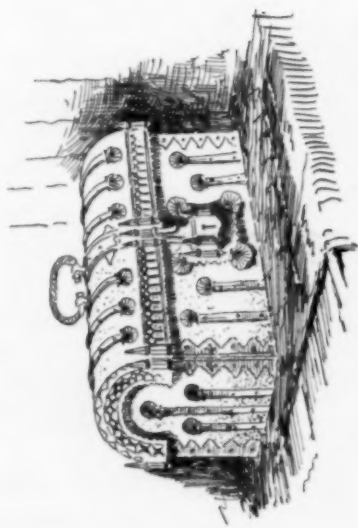
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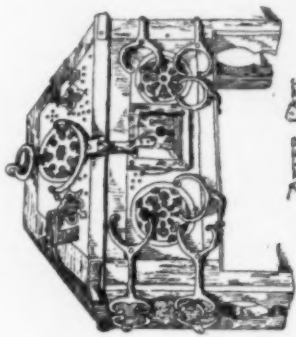
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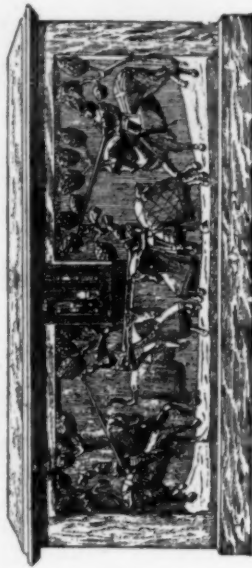
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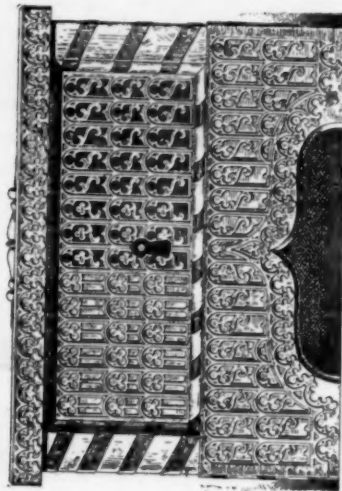
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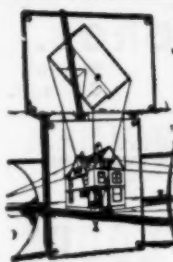
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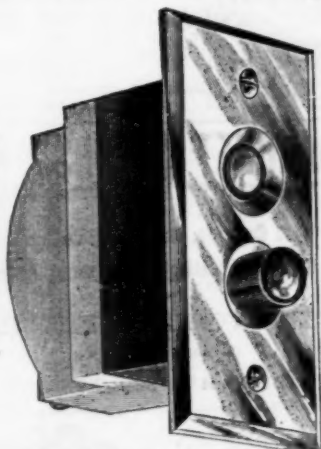


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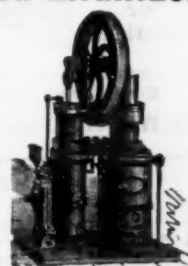
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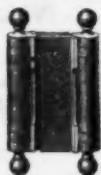
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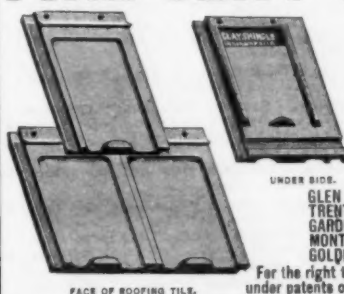


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Elmwood Ave., cor. Pottery Ave., alteration to two-sty brick school; owner, City of Providence.

Arnold St., one-sty brick addition to school; owner, City of Providence.

Julian St., two-sty frame addition to school; owner, City of Providence.

Friendship St., two-sty brick addition to school; owner, City of Providence.

Atwell Ave., two-sty frame addition to school; owner, City of Providence; builders, N. B. Horton & Son.

Quakertown, Pa.—Addition to the borough building.

Reading, Pa.—Alterations to the Hamilton House; owner, Geo. J. Raab.

Spring City, Pa.—Improvements and alterations to building; owners, Delmer & Wilt.

Waynesburg, Pa.—Alterations, repairs and additions to the Presbyterian Church; cost, about \$5,000; builders, A. H. & F. M. Sellers.

Willistown, Pa.—By a decision of the School Board, all the school-houses will be painted and put in order.

APARTMENT-HOUSES.

Chicago, Ill.—Michael Feeny, two-sty flats, 3132 Portland Ave.; cost, \$8,000.

M. Michels, three-sty flats, 1118 California Ave.; cost, \$4,000.

P. S. Allen, two-sty flats, 223 South Leavitt St.; cost, \$4,000.

Ignatz Oparka, three-sty flats, 1057 North Robey St.; cost, \$4,000.

Fred. Theman, two-sty flats, 4420 Calumet Ave.; cost, \$4,500.

Henry Dindemann, four-sty flats, 5132 Prairie Ave.; cost, \$20,000.

J. B. Lawrence, two-sty flats, 6338 Emerald Ave.; cost, \$4,000.

Trebilcock & Pennhalagan, two-sty flats, 6707 Honore St.; cost, \$7,500.

Charles Jurs, three-sty flats, 740 Clybourn Ave.; cost, \$5,000.

Bullock Bros., two-sty flats, 113 West Forty-eighth St.; cost, \$10,000.

Charles Smith, three-sty flats, 118 Cleaver St.; cost, \$6,800.

Frank Aha, two-sty flats, 636 Maplewood Ave.; cost, \$3,500.

E. C. B. Seow, two-sty flats, 143 McGovern St.; cost, \$4,500.

Henry Peters, two-sty flats, 599 Walnut St.; cost, \$4,000.

Charles Kelly, two-sty flats, 214 Ladin St.; cost, \$3,500.

Joseph Francis, two-sty flats, 1616 West Adams St.; cost, \$3,000.

Oscar Bergman, two-sty flats, One Hundred and Eighteenth St., near Cero Ave.; cost, \$3,000.

S. Yullemvelder, three-sty flats, 352 Hudson Ave.; cost, \$3,000.

J. B. Stevenson, three-sty flats, 699 Washington Boulevard; cost, \$9,000.

M. Schaub, two-sty flats, 1525 Oakdale Ave.; cost, \$5,000.

Andrew Newberg, two-sty flats, 301 Cuyler St.; cost, \$4,000.

Thomas Schnedd, three-sty flats, 558 North Ashland Ave.; cost, \$6,500.

M. G. Miller, two-sty flats, 880 Bonny Ave.; cost, \$3,000.

Felix Anderson, two-sty flats, 394 North California Ave.; cost, \$3,000.

E. A. Weiss, three-sty flats, 25 Whipple St.; cost, \$4,000.

James Wimmer, 2 three-sty flats, 429-431 South Robey St.; cost, \$7,000.

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BUILDING INTELLIGENCE.

(Apartment-Houses Continued.)

Angello Debbis, three-sty flats, 710 Polk St.; cost, \$6,000.
 Mrs. A. Walsh, two-sty flats, 320 Johnson St.; cost, \$3,000.
 Timothy Cronin, two-sty flats, 1595 Fillmore St.; cost, \$3,000.
 John Peterson, two-sty flats, 501 Evergreen Ave.; cost, \$3,000.
 Charles Schinkoth, four-sty flats, 122 East Fullerton Ave.; cost, \$7,000.
 J. N. Cuning, 3 two-sty flats, 1723, 1724 and 1728 Twenty-third St.; cost, \$9,000.
 D. D. Williams, two-sty flats, 1487 Polk St.; cost, \$3,500.
 William Uhlhorn, three-sty flats, Sangamon St., near Eighty-seventh St.; cost, \$12,500.
 Michael McCarthy, two-sty flats, 3051-3053 Wallace St.; cost, \$7,000.
 Pauline Fritz, two-sty flats, 6503 Vincennes Ave.; cost, \$3,800.
 Theodore Pollus, two-sty flats, 1017 West Twentieth St.; cost, \$4,500.
 Martin Naeh, three-sty flats, 2018 Union Ave.; cost, \$5,500.
 August Sissman, two-sty flats, 2408 Fisk St.; cost, \$3,000.
 Herman Schroeder, three-sty flats, 1401 Lexington Ave.; cost, \$4,000.
 Edward Hille, three-sty flats, 237 Jay St.; cost, \$4,500.
 William Moss, three-sty flats, 0152 Wall St.; cost, \$3,000.
 Fourth Swedish M. E. Church, two-sty flats, Union Ave. and Sixtieth St.; cost, \$4,000.
New York, N. Y.—Orchard St., Nos. 145-149, 3 six-sty brick flats, tin roofs; cost, \$72,000; owner, S. Jamulowsky, 102 East Sixtieth St.; architect, M. Jamulowsky, 54 Canal St.
 East Seventy-eighth St., No. 51, five-sty brick flat, tin roof; cost, \$50,000; owner, Thomas McLaughlin, 57 East Sixty-fifth St.; architects, Thom & Wilson, 1267 Broadway.
 Sixty-sixth St., n. s. 255 e Amsterdam Ave., five-sty brick flat, tin roof; cost, \$22,000; owner, James O'Brien, Sixth Ave. and Thirty-eighth St.; architect, George Keister, 140 West Thirty-fourth St.
 Charles St., Nos. 80-82, 2 five-sty brick flats, tin roofs; cost, \$20,000; owner, Elizabeth Wellwood, Williamsbridge, N. Y.; architect, Richard R. Davis, 247 West One Hundred and Twenty-fifth St.
 Mott St., No. 223, five-sty brick flat, tin roof; cost, \$21,000; owner, John Gardiner Estate, Thirty-seventh St. and St. Mark's Pl.; architects, Kurtzer & Rohl, cor. Seventh St. and Third Ave.
 Sixty-sixth St., n. s. 255 e Amsterdam Ave., five-sty brick flat, tin roof; cost, \$22,000; owner, James O'Brien, Sixth Ave. and Thirty-eighth St.; architect, George Keister, 140 West Thirty-fourth St.
 Eighth Ave., s. e. cor. Thirty-fifth St., five-sty brick flat, tin roof; cost, \$26,000; owners, W. Groh's Sons, 329 West Twenty-seventh St.; architects, Thom & Wilson, 1267 Broadway.
 Second Ave., No. 485, five-sty brick flat, tin roof; cost, \$20,000; owner, Louis Rosendorf, 814 Lexington Ave.; architects, Schneider & Hertz, 48 Bible House.
 Park Ave., s. e. cor. One Hundred and Twenty-ninth St., five-sty brick flat, tin roof; cost, \$25,000; owner, Frederick Rohrs, 302 East One Hundred and Twenty-sixth St.; architect, Edward Wenz, 1491 Third Ave.
Providence, R. I.—Westminster St., n. e. cor. Howard St., three-sty brick and frame apartments and stores; cost, \$15,000; owners, heirs of Wm. Wilkinson; architect, Chas. F. Chase; builder, J. P. Millard.
St. Louis, Mo.—Three-sty flats, n. s. Grand Ave., bet. Blair and Von Phil Sts.; cost, \$7,000; owner, J. E. Lueblin; contractor, L. B. Wright.
 Two-sty flats, s. s. Maryland St., bet. Boyle and Newstead Aves.; cost, \$8,000; owner and contractor, H. L. Roach.

CHURCHES.

Asbury Park, N. J.—New First Presbyterian Church.

BUILDING INTELLIGENCE.

(Churches Continued.)

Carpenterville, Pa.—Germantown Ave. and Carpenter St., Protestant-Episcopal Church.
Chester, Pa.—Church for the First Baptist Church congregation.
Chicago, Ill.—Congregational Rondoy Emanuel Church, 4185-4187 Union Ave.; cost, \$3,000.
 Swedish M. E. Emanuel Church, 28-30 Marvin St.; cost, \$3,450.
 James Dombrowska, church, 319 South Carpenter St.; cost, \$75,000.
 First Dutch Reformed Church, church, 189-193 Hastings St.; cost, \$18,000.
Connellsville, Pa.—Prospect St., Roman Catholic Church of the Immaculate Conception.
Cramer Hill, N. J.—New church for the Presbyterians.
Erie, Pa.—Church for the Simpson M. E. Church; builder, Henry Shenk.
Kennett Square, Pa.—Willow St., Colored Baptist Church.
 Church for the Second Baptist Church, of which the Rev. J. W. Brown is pastor.
Lansdowne, Pa.—Stone church for the Methodist-Episcopal Church.
Medford, Pa.—Bank St., Baptist Church.
Merion Square, Pa.—White stone chapel and dwell. for the New Jewish Cemetery; architect, W. H. MacCollin, 913 Walnut St.; builder, William Silverstone Stone, 1013 Walnut St.
Morristown, N. J.—New church for the Presbyterians.
Norwood, Pa.—Stone church for the Prospect Hill Baptist Church; builders, Alexander Bros., Glenolden.
Philadelphia, Pa.—Diamond and Twenty-first Sts., brownstone church; architect, T. Frank Miller, 1221 Arch St.
 Spruce and Eighteenth Sts., church for the Western Methodist Church; architect, Thomas P. Lonsdale, Manhattan Life Building.
 Diamond and Twenty-first Sts., brownstone church for the Eleventh Baptist Church; architect, T. Frank Miller.
Pittsburgh, Pa.—Boquet St., church for the Presbyterians.
 Lincoln Ave., M. E. Church will be built.
Providence, R. I.—Superior St., s. w. cor. Cranston St., stone church; cost, \$60,000; owner, Cranston St. Baptist Society; builder, Joseph Rieker.
Quakertown, Pa.—Church for the Reformed Church.
Royalton, Pa.—New N. B. Church will be built.
Wayne, Pa.—Temporary frame chapel; builder, Harlan J. Preston.
Westfield, Pa.—Stone church for St. Mary's Episcopal Church; architects, Wagner & Reitmeyer, Hays Building.
Brooklyn, N. Y.—Irving St., s. s. 219' 6" e Van Brunt St., three-sty brick factory, gravel and asphaltic cement roof; cost, \$15,000; owners, Hill Bros. & Co., Park Pl. and Greenwich St., New York City; architect, Geo. P. Chappell, 24 State St., New York City.
Boston, Mass.—Sweet St., Nos. 444-446, Ward 15, three-sty frame factory, flat roof, 35' x 60'; owner, M. C. Geer; builder, John Keene.
Chicago, Ill.—August Blarmerhaen, three-sty factory, 203 Augusta St.; cost, \$8,000.
Philadelphia, Pa.—Race St., n. e. cor. Eleventh St., four-sty brick factory; owners, Henderson & Co.; builder, Joseph Bird, 1029 Race St.
 Thompson, Division and Mercer Sts., two-sty brick factory and boiler-house; owner, Edward Fayo, 2066 Richmond St.
 North Twelfth St., No. 230, three-sty brick factory; builder, D. O. Boorse, 29 North Thirteenth St.

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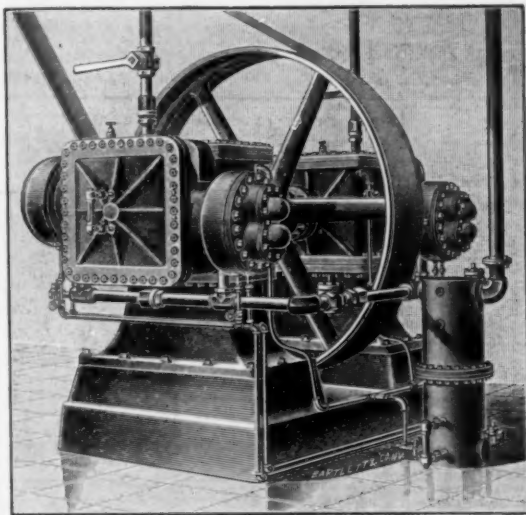
Twenty-Second Street and Washington Ave PHILADELPHIA, PA.

BUILDING INTELLIGENCE.

(Factories Continued.)

Race and Eleventh Sts., factory; owner, G. H. Henderson.
 North Twelfth St., No. 230, five-sty brick factory; builder, D. O. Boorse, 29 North Thirteenth St.
Reading, Pa.—Factory; owners, Yocum Bros.
St. Louis, Mo.—Three-sty brick factory, s. Ninth St., bet. Benton and Warren Sts.; cost, \$10,000; owner, Chr. Kramschall; contractor, Wm. Doman.
 Two-sty factory, s. e. Twenty-first St., bet. Palm and Branch Sts.; cost, \$8,000; owner, C. Eckhoff; contractor, B. Wussler.
HOTELS.
Altoona, Pa.—Hotel for Frank P. Molloy; builder, George W. Rhine.
Reading, Pa.—Oley St., n. e. cor. Ninth St., plans for a four-sty brick hotel; architect, Edward K. Mull, 304 Schuylkill Ave.
HOUSES.
Ambler, Pa.—Number of dwells; owners, Real-Estate Investment Co.
Baltimore, Md.—J. L. Bowen, 5 three-sty brick buildings, s. s. Madison Ave.; and 4 three-sty brick buildings, s. s. Whiteoak St.
 Jacob Rader, three-sty brick buildings, 615 Baker St.
 David Brauer, 3 three-sty brick buildings, s. s. Harford Ave., n. Lanvale St.
 Jacob H. Aull, 3 two-sty brick buildings, s. s. Wyanoke Ave.
 A. H. Sibley, 29 three-sty brick buildings, n. and s. s. Lennox St., bet. Park Ave. and Robert St.
Boston, Mass.—Hyde Park Ave., near Ashland St., Ward 23, three-sty frame dwell., flat roof, 23.3' x 42'; owner, G. Faillandier; builder, D. Johnson.
 West Fifth St., No. 238, Ward 15, three-sty frame dwell., flat roof, 22' x 51.6'; owner, R. Crookin; builder, Wm. Eadie.
 Waldorf St., cor. Ashmont St., Ward 24, frame dwell., 26' x 46'; owner and builder, E. N. Burt.
 Bellevue Ave., near Brooks St., Ward 23, frame dwell., 22' x 47'; owner, John Moses; builder, Thos. Harvey.
 Hyde Park Ave., near Ashland St., Ward 23, three-sty frame dwell., flat roof, 23' x 42'; owner, G. Faillandier; builder, D. Johnson.
 Field St., rear, near Madison Ct., Ward 22, 2 three-sty brick dwells., flat roofs, 24' x 35'; owner, Mrs. J. Janse; builder, Mason White.
 Parkman St., near Adams St., Ward 24, frame dwell., 26.6' x 30'; owner, Mrs. P. McMorro; builder, D. Campbell.
 Melvin St., near West Park St., Ward 24, frame dwell., hip roof, 23.2' x 41.2'; owner, Mrs. E. M. Levan; builder, H. J. Rice.
 Bell St., near Lamartine St., Ward 23, three-sty frame dwell., hip roof, 31.0' x 38.6'; owner, Henry Blackburn; builder, J. P. Campbell.
 Belgrade Ave., rear, near Dudley Ave., Ward 23, three-sty frame dwell., pitch roof, 24' x 28'; owner, C. W. Whittemore; builders, Willis Bros.
 East Sixth St., No. 640, Ward 14, three-sty frame dwell., flat roof, 24' x 50.0'; owner, E. H. Bragon; builder, W. T. Eaton.
 Lauriat Ave., near Mountain Ave., Ward 24, frame dwell., 23' x 37'; owner and builder, C. S. Nielson.
 Cushing Ave., cor. Upham St., Ward 24, frame

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BUILDING INTELLIGENCE.

(Houses Continued.)

dwelling, 40' x 44'; owner, Mrs. J. A. F. Brown; builder, G. A. Barron.
Lamarine St., near Lamarine Terrace, Ward 23, 2 three-sty frame dwellings, flat roofs, 21' x 52'; owner, L. L. P. Atwood, trustee; builder, D. McNeil.
Dewey St., cor. Danube St., Ward 20, 2 three-sty frame dwellings, flat roofs, 36' x 45' and 24' x 52.8'; owner, L. M. N. McCarthy; builders, Howard Bros.
Danube St., near Dewey St., Ward 20, three-sty frame dwelling, flat roof, 24' x 47'; owner, L. M. N. McCarthy; builders, Howard Bros.
Camden, N. J.—**South Sixth St.**, No. 303, three-sty brick dwelling; owners, Fawcett Bros.
Camp Hill, Pa.—Plans for a dwelling for Mrs. Aspinwall, Philadelphia.
Carbondale, Pa.—Brick dwelling for Father Coffey; builder, John Hansen.
Chicago, Ill.—George Wood, two-sty dwelling, 4340 Prairie Ave.; cost, \$3,500.
Coatesville, Pa.—Three-sty brick dwelling; architect, J. W. Shaw.
Collingswood, N. J.—Dwelling; owner, Glen Devoe. Double dwelling; owner, Edward H. Cotter.
Cynwyd, Pa.—Three-sty stone dwelling; owner, William R. Barnes; architect, J. W. Shaw.
Doylestown, Pa.—Double brick dwelling; owner, Wm. E. Gell; builder, Wm. Hager.
East St., near Maple Ave., dwelling; owner, Francis Curley, New Britain.
Frankford, Pa.—**Margaretta and Cedar Sts.**, two dwellings; builder, M. S. Minor.
Mulberry and Meadow Sts., two dwellings; owner, Thos. Foulkrod.
Frankford Ave., No. 462, brick and stone dwelling; builder, Geo. Fongeray.
Harrison St., s w cor. Mulberry St., 8 two-sty dwellings; owner, Wm. B. France; architect, Horace W. Castor, 4642 Frankford Ave.
Germantown, Pa.—**Washington Lane**, dwelling; owner, C. F. Jenkins.
Green Lane, above Chelton Ave., dwelling; owner, Mr. Sansom; architects, Hazelhurst & Huckel, Drexel Building.
Gloucester City, N. J.—Dwelling; owner, Dr. Lapp.
Hightstown, N. J.—Frame dwelling; owner, George W. F. Bennett; architect, George Palliser, 24 East Forty-second St., New York.
Jenkintown, Pa.—Colonial dwelling; owner, C. W. Wilson.
Dwelling; owner, Mrs. Rebecca Mitchner.
Dwelling; owner, Chas. C. Swartz.
Lansdowne, Pa.—Dwelling; owner, B. B. King, Philadelphia.
Lewisburg, Pa.—Dwelling; owner, C. J. Wolfe, Esq.; architects, Wagner & Reitmeyer, Hays Building, Philadelphia.
Lindenwald, N. J.—Dwelling; builder, Mr. Parker.
Lenape, Pa.—Dwelling; owner, John Whitely.
East Nields St., two dwellings; owner, S. M. Brannstein.

BUILDING INTELLIGENCE.

(Houses Continued.)

Minneapolis, Minn.—**S. Y. Johnson**, two-sty frame dwelling, 201 South Lyndale Ave.; cost, \$3,700.
O. H. Hoffman, two-sty frame dwelling, 726 Ninth Ave., s e; cost, \$4,000.
Newark, N. J.—**Huntington St.**, three-sty frame dwelling for August Schmidt; architect, E. A. Wurth, 748 Broad St.
Camden St., three-sty frame dwelling for Wm. Tretmann; architect, E. A. Wurth, 748 Broad St.
Bridgewood Ave., No. 132, two-and-one-half-sty frame dwelling for Jos. Oeschwald; architect, E. A. Wurth, 748 Broad St.
Quitman St., two-and-one-half-sty frame dwelling for Louis Becker; architect, E. A. Wurth, 748 Broad St.
Prospect St., No. 125, three-sty frame dwelling for J. H. Peal; architect, E. A. Wurth, 748 Broad St.
Clinton Pl., two-and-one-half-sty frame dwelling for Fred'k Tegan, Jr.; architect, E. A. Wurth, 748 Broad St.
Two-sty double frame dwelling; owner, Mrs. Benj. Ecker; architect, Geo. Palliser, 24 East Forty-second St., New York.
New York, N. Y.—**West End Ave.**, 24' s Ninety-first St., four-sty brick dwelling, mansard slate and tin roof; cost, \$12,000; owner, Fourth Presbyterian Church, 114 West Thirty-fourth St.; architects, Heins & La Farge, 5 Beekman St.
Seventy-fifth St., n s, 564' e Columbus Ave., 5 four-sty brick dwellings, tin roofs; cost, \$150,000; owner, John C. Umberfield, 47 West Seventy-fifth St.; architect, George M. Walgrove, 99 Nassau St.
Interstate Ave., 46' n One Hundred and Sixty-ninth St., three-sty stone and brick dwelling, tin roof; cost, \$4,000; owner, Frank Kozabea, 423 East Sixty-third St.; architect, M. J. Garvin, 3311 Third Ave.
Simpson St., e s, 149' s Home St., 2 three-sty brick and frame buildings, tin roofs; cost, \$8,000; owner, Frederick Johnneson, 1147 Stebbins Ave.; architect, John D. Hart, Fox St., near One Hundred and Sixty-fifth St.
Beach Ave., e s, 123' s One Hundred and Fifty-sixth St., three-sty brick and frame dwelling, tin roof; cost, \$4,500; owners, Ketcham & Travis, 447 Willis Ave.; architect, John D. Hart, Fox St., near One Hundred and Sixty-fifth St.
One Hundred and Fifty-third St., n s, 125' w Third Ave., three-sty brick and frame dwelling, tin roof; cost, \$7,500; owners, Patrick J. and Bridget Carroll, 206 East Seventieth St.; architect, Hiram Horenburger, 682-686 East One Hundred and Fifty-ninth St.
Creston Ave., w s, 75' n One Hundred and Eighty-third St., three-sty brick and frame dwelling, peak slate roof; cost, \$3,500; owner, George Hobmann, Creston Ave. and One Hundred and Eighty-third St.; architect, John D. Hart, Fox St., near One Hundred and Sixty-fifth St.
Franklin Ave., w s, 300' s Tremont Ave., two-and-one-half-sty brick and frame dwelling, peaked shingle roof; cost, \$4,000; owner, H. R. Drew, Franklin Ave., 300' s Tremont Ave.; architect, Charles S. Clark, 719 East One Hundred and Seventy-seventh St.
Sixth Ave., s w cor. West Fifty-ninth St., three-

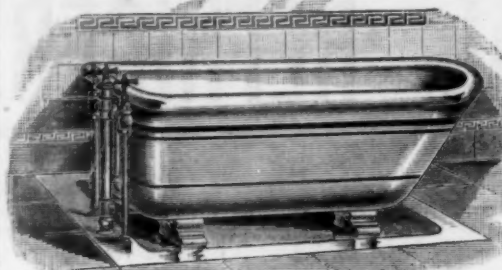
BUILDING INTELLIGENCE.

(Houses Continued.)

sty brick dwelling, gravel roof; cost, \$9,000; owner, Inman Estate, Cotton Exchange Building; architects, Horenburger & Straub, 122 Bowery.
Valentine Ave., s w cor. One Hundred and Eighty-second St., three-sty brick and frame dwelling, peaked shingle roof; cost, \$5,000; owner, Mary McKeon, One Hundred and Twenty-fifth St. and Seventh Ave.; architect, Alex. Fowler, 702 East One Hundred and Thirty-seventh St.
Bristow St., Nos. 25 and 35, two dwellings, tin roofs; cost, \$4,000; owner, Mrs. Anna Matzinger, 1762 Second Ave.; architect, Fred Kloepper, 2497 Third Ave.
Sixth Ave., w s, 44' s Fifty-ninth St., three-sty brick dwelling, gravel roof; cost, \$7,000; owner, Inman Estate, Cotton Exchange Building; architects, Horenburger & Straub, 122 Broadway.
North Wales, Pa.—Two dwellings; owner, Mr. Bailey; architect, T. Frank Miller, 1221 Arch St., Philadelphia.
Overbrook, Pa.—**Franklin and Emlen Sts.**, 4 three-sty brick and stone dwellings; builders, Wendell & Smith.
Philadelphia, Pa.—**Marshall St.**, below Erie Ave., six dwellings; owner and architect, T. Frank Miller, 1221 Arch St.
Park Ave., **Wishart and Thirteenth Sts.**, 27 brick dwellings; owner, Henry G. Schultz, 2633 Germantown Ave.
West Fourth St., brick and stone dwelling, slate roof; owners, L. M. & H. M. Ulman; architects, Wagner & Reitmeyer, Hays Building.
Turner St., e s, s Butler St., three-sty brick dwelling; owner, Thos. F. Middleton, 3306 North Broad St.
Kensington Ave., s s, w G St., two-sty brick dwelling; builder, George W. Stroup, 1815 Wemslay St.
Comly St., w s, n Jackson St., two-sty brick dwelling; builder, Samuel E. Wilmer, 3327 Comly St.
Woodland Ave., n s, w Sixty-first St., three-sty brick dwelling; builder, John A. Palmer, 233 South Fortieth St.
Baltimore Ave., n s, w Forty-seventh St., three-sty brick dwelling; builders, Edge Bros., Fifty-first St. and Willow Ave.
Thirty-fourth St., w s, s Spring Garden St., 8 three-sty brick dwellings; owners, W. J. Shedwick & Bro., 3419 Mt. Vernon St.
Sixteenth St., e s, s Erie Ave., 2 two-sty brick dwellings; owner, Geo. B. Tull, 2819 North Twelfth St.
Delaware St., s s, w Twentieth St., three-sty brick dwelling; owners, McLaughlin & MacNamara, 3889 Clinton St.
Fairhill St., s w cor. Rockland Ave., two-sty brick dwelling; owner, Chas. Claus, 3724 Turner St.
Thirty-first-and-one-half St., e and w s, n Berks St., 98 two-sty brick dwellings; owner, W. G. Serrill, Fifteenth St. and Lehigh Ave.
Thirty-third St., bet. Diamond St. and Suequehanna Ave., granite dwelling; owner, Robert H. Forreder.
Comly St., n Jackson St., two-sty brick dwelling; builder, Samuel S. Wilmer, 3327 Comly St., Willsnaming.

(Houses Continued.)

- South Eighteenth St., Nos. 1901-1905, 2 two-sty brick dwells. and store; builder, Geo. A. Wagner, 1826 South Eighteenth St.
- Frankford Ave., No. 4627, three-sty dwell. and store; owner, Geo. J. Fougeray, 4625 Frankford Ave.
- Franklin St., s w Emers St., 4 three-sty brick and stone dwells; owners, Wendell & Smith, Overbrook.
- Margaretta St., e Cedar St., 2 two-sty brick and frame dwells; owner, M. S. Milnor, s w cor. Penn and Allen Sts., Frankford.
- Mulberry St., n Meadow St., 2 two-sty brick dwells; builder, Thomas S. Foulkrod, Frankford.
- Christian St., n s, e Twentieth St., 3 three-sty brick dwells; owner, Charles H. Lafferty.
- Emily St., w Fifteenth St., 22 two-sty brick dwells; builder, J. B. F. Johnson.
- Boston Ave., n s, w Twentieth St., 33 two-sty brick dwells; builder, John Stafford, 606 Susquehanna Ave.
- Thirteenth St., n s, bet. Susquehanna Ave. and Dauphin St., 25 three-sty brick dwells; owner, Wilbur Hippie.
- Susquehanna Ave., s s, w Twenty-second St., 8 three-sty brick dwells; owners, J. H. Stevenson & Son.
- Pittsburgh, Pa. — Three dwells; owner, Mrs. Theo. W. Hartman.
- Providence, R. I. — Pawtucket Ave., two-and-one-half-sty frame dwell.; owner, Jacob Ollley.
- Pleasant St., No. 207, two-and-one-half-sty frame dwell.; owner, John Mullen.
- Capital St., cor. Bullock St., two-and-one-half-sty frame dwell.; owner, Michael O'Day.
- Somerville, Mass. — Elm St., frame dwell.; owner, J. Franklin Terry; builder, O. B. Marston.
- Medford St., frame dwell.; owner, E. C. Smith; builders, S. & C. H. Williams.
- Braslow Ave., frame dwell.; owner and builder, Arthur W. Berry.
- Wheatland Ave., near Broadway, frame dwell.; owner, Richard Tomfohrde; builder, M. H. Norward.
- PUBLIC BUILDINGS.**
- Providence, R. I. — Sabia St., cor. Fountain and Beverly Sts., three-sty brick police station; cost, \$14,000; architects, Stone, Carpenter & Willson; builders, W. A. Chapman & Co.
- SCHOOL-HOUSES.**
- Providence, R. I. — Millard Ave., cor. Stanford St., two-sty frame school.
- California Ave., n s, and Ohio Ave., s s, two-sty frame school.
- State St., e s, two-sty frame school.
- Manton Ave., cor. Hill Ave., two-sty frame school.
- Federal St., n s, two-sty frame school.
- Carpenter St., cor. Pallas St., two-sty frame school.
- STORES.**
- Philadelphia, Pa. — Market St., No. 1220, six-sty brick store; builders, Weeks & Michaelson, 913 Walnut St.
- Seventh St., w s Arch St., five-sty brick store; builder, Allen B. Rorke, Drexel Building.
- Coombs Alley and Chancery Court, plans for a store building.
- WAREHOUSES.**
- Philadelphia, Pa. — Hope St., Nos. 2344-46-48, three-sty brick warehouse; builder, Jos. Parker, 2639 Germantown Ave.



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BUILDING INTELLIGENCE.

MISCELLANEOUS.

Providence, R. I. — Exchange St., opp. Pawtucket Depot, three-sty brick building; owner, David O. Black; architects, Owen & Humes.

Bet. Kingsley and Harris Aves., two brick buildings; owners, Merchants' Freezing and Cold-Storage Co., I. B. Mason, President.

Governor St., e s, n Young Orchard Ave., four-sty brick home for working girls; owner, St. Marie's Home; architects, Martin & Hall; builders, Joseph Gilman & Son.

PROPOSALS.

STEAM-HEATING AND VENTILATION.

[At Barnstable, Mass.]
OFFICE OF J. WILLIAMS BEAL, ARCHITECT,
55 KILBY STREET, BOSTON, MASS.
Sealed proposals will be received at this office up to 9 A. M., Thursday, August 31st, for heating and ventilation of Barnstable County Court-house. Plans and specifications may be seen at this office on and after Saturday, August 28, 1893. The Commissioners reserve the right to reject any or all proposals.

SAMUEL SNOW,
JOHN H. CLARK,
RICHARD A. RICH, } County Commissioners. 922

Treasury Department, Office Supervising Architect, Washington, D. C., August 12, 1893. Sealed proposals will be received at this office until 2 o'clock P. M. on the 5th day of September, 1893, and opened immediately thereafter, for all the labor and materials required for the excavation, foundations, basement and area walls, basement columns, and first-floor iron beams and wood joists, etc., of the United States Post-office and Custom-house building at Fargo, N. Dak., in accordance with the drawings and specification, copies of which may be had at this office or the office of the Superintendent. No convict labor nor any product of convict labor will be allowed in the work. Each bid must be accompanied by a certified check for a sum not less than two per cent of the amount of the proposal. The right is reserved to reject any and all bids, or to waive any defect or informality in any bid, if it be deemed in the interest of the Government to do so. All proposals received after the time stated will be returned to the bidders. Proposals must be enclosed in envelopes sealed and marked "Proposal for Excavation, Foundations, etc."

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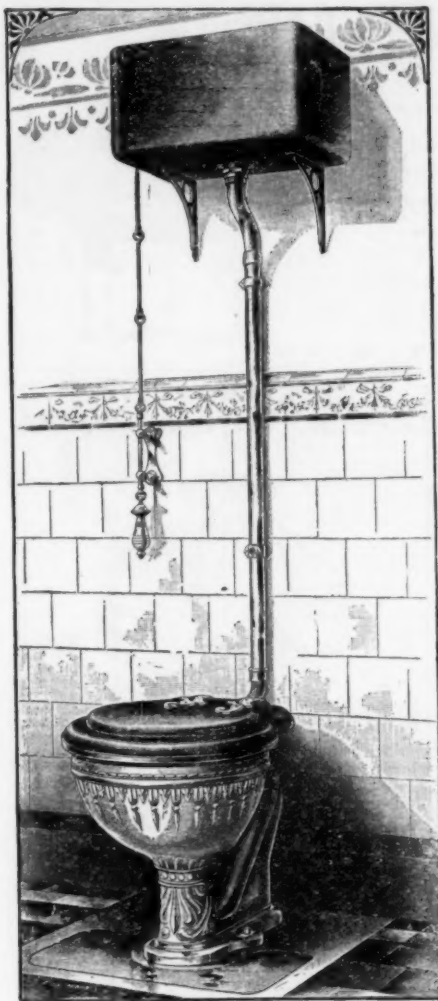
(Proposals Continued.)

of the United States Post-office and Custom-house building at Fargo, N. Dak., and addressed to JEREMIAH O'ROURKE, Supervising Architect. 922

ALPHABETICAL LIST OF ADVERTISERS.

The (E) indicates that the advertisement may be found in the last or the following issue: the (M) that it may be found in the first issue for each month.

A.	F.	L.	R.
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Anschmann & Bellarh.....ii	Fisher & Co., Robert C.....x	Lamb & Richards.....xii	Raritan Hollow & Forge Brick Co.....xix
Albro Co., E. D.....x	Flake, Homes & Co.....xviii	Lane Bros.....xi	Read, J. J.....xi
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C.	Hodge Brothers.....x	N. Y. Architectural Terra-Cotta Co.....x	Taylor, J. W.....x
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Cabot, S.....x	Huyett & Smith Mfg. Co.....x	New York Metal Ceiling Co.....x	Thiele, E.....(Cov.) 3
Central Expanded Metal Co.....x	Hydraulic Press Brick Co.....x	Nightingale, S. C. & Childs.....(Cov.) 3	Thorn, J. S. Co.....x
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Clay Shingle Co.....x		O.	Troy Laundry Machinery Co.....(Cov.) 4
Clinton Wire Cloth Co.....x	J.	Oakley & Keating.....xii	
Columbia Encasement Tile Co.....x	Jackson Architectural Iron Works.....x	Obdyke & Co., W. Austin.....x	U.
Comstock, Wm. T.....x	Jackson & Co., Wm. H.....(Cov.) 4	O'Connell Co., W. H.....x	U. S. Mineral Wool Co.....xviii
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Cudell, F. E.....x		Peaslee Rolling Mill Co.....x	Van Wagoner & Williams Co.....x
Cutter Electrical and Mfg. Co.....x	K.	Peaslee Brick Co.....x	
Cutter Mfg. Co.....x	Karr, C. P.....x	Perkins Slate Co.....x	W.
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E.			Y.
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THE "PERFECTO" SEAT.

(Patent applied for.)

WALL-LINE



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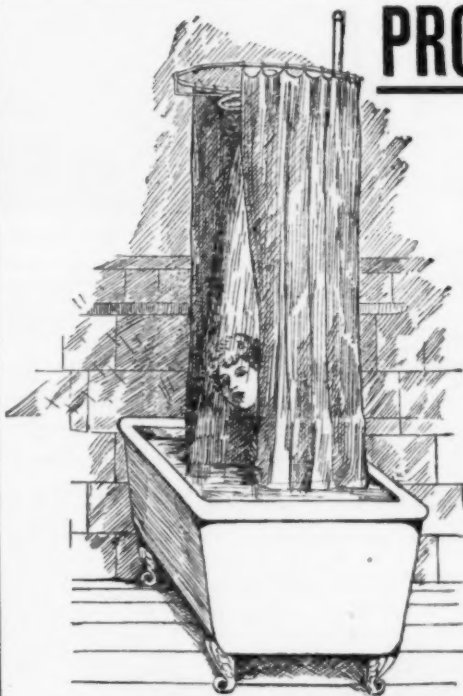
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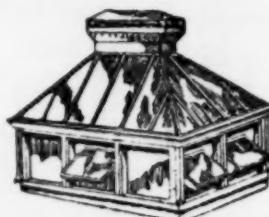
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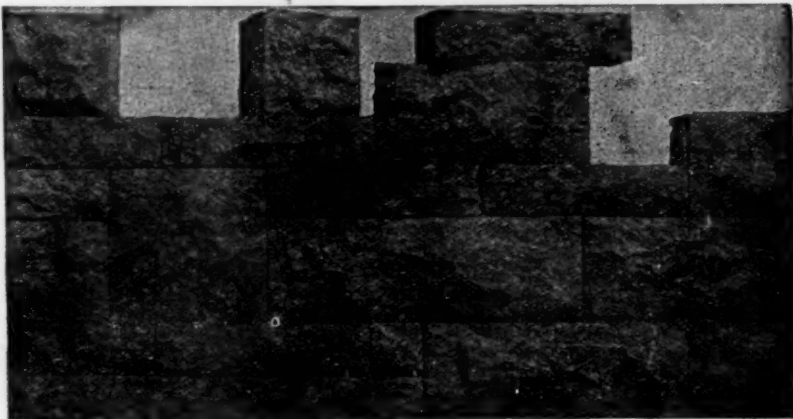
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[See Alphabetical Index on page XVI for Pagination.]

Classified Advertisements.

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

Air Valves. Hodge Bros., Boston, Mass.
Antennae. W. H. Schieffelin & Co., New York, N. Y. (saw)
Annunciators. W. R. Ostrander & Co., New York
Architects. Bailey & Truscott, Philadelphia, Pa. (saw)
Architect's Materials. Frost & Adams, Boston
Architectural Sheet-Metal Ornamental Works. W. H. Mullins, Salem, O.
Artificial Stone. Wrenn Pavement Co., New York, N. Y. (saw)
Asbestos Felt & Boiler Coverings. H. W. Johns Mfg. Co., New York
Asbestos Felt. H. F. Watson Co., Erie, Pa.
Asbestos Paint. H. W. Johns Mfg. Co., New York
Asphalt. Neuchatel Asphalt Co., New York
New York Mastic Works, New York, N. Y.
Asphalt Roofing. Warren Chemical & Mfg. Co., New York
Basin Cocks. Stebbins Mfg. Co., Brightwood, Mass. (saw)
Bath-Tub. Fred. F. Buchhoff & Co., Chicago, Ill. (mon)
Miller & Coates, New York
J. L. Most Iron Works, New York
Standard Mfg. Co., Pittsburgh, Pa. (saw)
Bells. Blake Bell Co., Boston, Mass.
Blue Prints. Spaulding & Moss, Boston, Mass. (saw)
Boilers. Babcock & Wilcox Co., New York
Randolph & Clowes, Watertown, Conn.
Books and Journals. Babcock & Wilcox Co., New York
Wm. T. Comstock, New York
Hessling & Spielmeier, New York, N. Y.
Dickner & Co., Boston

Brass Goods. J. B. Shannon & Sons, Philadelphia. (mon)
Brick Ashlar. Fiske, Homes & Co., Boston
Brick (Colored). Jarden Brick Co., Philadelphia, Pa.
Brick (Ornamental). Fanning Cement & Brick Co., New York (saw)
W. H. Gates, Boston, Mass. (saw)
Hydraulic Press Brick Co., St. Louis
Peelless Brick Co., Philadelphia, Pa.
Waldo Bros., Boston
Brick Machine. The Frey, Sheckler Co., Bucyrus, O. (saw)
Bronze Work. Burgess Bros., Philadelphia, Pa. (mon)
M. J. Power, New York
Bronze and Brass Work. Paul E. Cahart, New York, N. Y.
Building Felt (Fire and Waterproof). H. W. Johns Mfg. Co., New York
Building Papers. Standard Paint Co., New York, N. Y.
H. F. Watson Co., Erie, Pa.
Ceilings (Metal). New York Metal Ceiling Co., New York, N. Y.
H. S. Northrop, New York, N. Y. (mon)
The Kinnear & Gager Co., Columbus, O. (saw)
Cement (Hydraulic). F. O. Norton Cement Co., N. Y.
Cement. Allen's Cement Works, New York, N. Y. (saw)
Brooks, Rhodebridge & Co., New York
Fleming Cement & Brick Co., New York (saw)
Johnson & Wilson, New York
J. R. King & Co., New York
Lawrence Cement Co., New York, N. Y.
E. Thiele, New York, N. Y.
Chimney Tops. H. M. Hansen, Chicago, Ill. (mon)

Chrome Steel Castings. Chrome Steel Works, Brooklyn, N. Y. (saw)
Clay Shingles. Clay Shingle Co., Indianapolis, Ind.
Conductors (Water). W. Austin Oddy & Co., Philadelphia
Boston Spiral Tube Works, Boston
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Contracting. Flynt Building & Construction Co., Palmer, Mass.
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Door Knobs. J. Bardsley, New York, N. Y.
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Drawing Instruments. Theo. Altmeier & Sons, Philadelphia, Pa. (saw)
Electrical Contractors. J. Jones & Son, New York, N. Y.
Electric Switch. Cutter Electrical & Mfg. Co., Philadelphia, Pa.
Elevators, etc. Crane Elevator Co., Chicago, Ill.
Graves Elevator Co., Rochester, N. Y.
Volney W. Mason & Co., Providence, R. I.

Elevator, etc. (Continued). Moore & Wymann, Boston
Morris, Williams & Co., Philadelphia
Otis Brothers & Co., New York
Springfield Foundry Co., Springfield, Mass.
Standard Elevator Co., Chicago, Ill.
Whittier Machine Co., Boston
Elevator Cars and Enclosures. J. E. Bolles & Co., Detroit, Mich. (saw)
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Fireproof Building. Henry Maurer, New York
Pioneer Fireproof Construction Co., Chicago, Ill.
Fireproof Construction. J. J. Schillinger, New York (saw)
Guastavino Fireproof Construction Co., N. Y.
Fireproof Lathing. Hayes Metallic Lathing, New York
Prince & Muir, New York, N. Y.
Floors (Hardwood). The Interior Hardwood Co., Indianapolis, Ind.
Wood Mosaic Co., Rochester, N. Y. (saw)
Floors (Inlaid). National Wood Mfg. Co., N. Y.
Gas-Machines. Tirrell Gas-Machine Co., New York
Gates. Wm. H. Pitt, New York, N. Y. (mon)
Glass (Bent). M. A. Smith, Newark, N. J. (mon)
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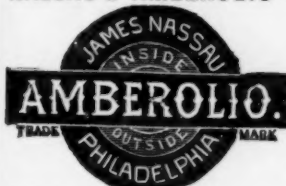
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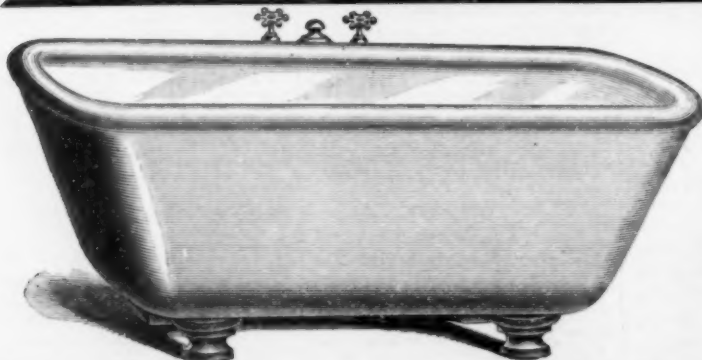
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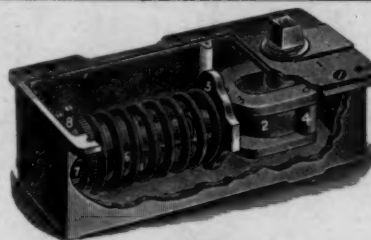
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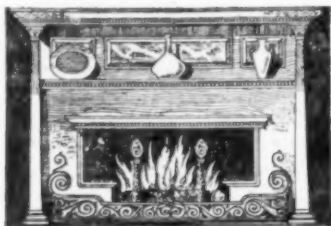
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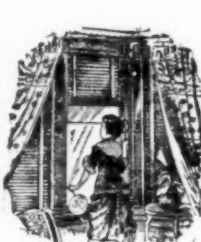
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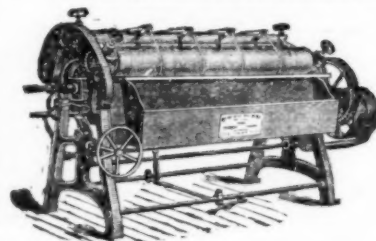
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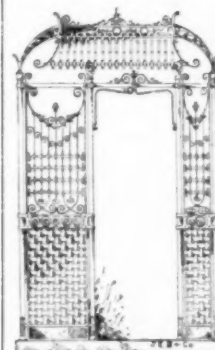
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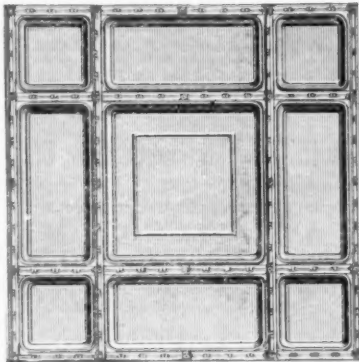
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" (Burnham).....	2 50 @ 2 50	2 40 @ 2 75	2 90 @ 3 15	2 75 @ 2 85
" (White's).....	2 65 @ 3 00	2 40 @ 2 75	3 00 @ 3 25	
" French (Lafarge).....	3 00 @ 3 75	@ 5 00	3 75 @ 4 25	Hemmoor 2 50 @ 2 75
" German (Alsen).....	2 90 @ 3 25	3 00 @ 3 50	@ 3 20	2 75 @ 2 85
" (Fewer).....	2 25 @ 2 40		3 20 @ 3 40	Jonson 2 60 @ 2 75
" (Vorwöhler).....	2 50 @ 2 90			3 00 @ 3 25
" (Lagerdofer).....	@			2 75 @ 2 85
" (Dyckerhoff).....	2 60 @ 2 90	Cleopatra 2 40 @ 2 75	2 75 @ 3 00	
" (Hanover).....	2 50 @ 3 00	3 00 @ 3 50	3 25 @ 3 50	
" Stettin (Anchor).....	2 35 @ 2 85	Condor 2 50 @ 2 75	Not sold.	
" American (Saylor's).....	2 15 @ 2 25	Wedge 2 40 @ 2 75	Not sold.	
Roman.....	2 75 @ 3 00	2 15 @ 2 50	2 00 @ 2 70	2 70 @ 3 00
Keene's coarse.....	4 50 @ 5 30	@ 3 50	2 75 @ 3 25	3 00 @ 3 50
" superfine.....	5 00 @ 5 50	@ 6 00	6 00 @ 7 00	6 50 @ 7 00
		7 00 @ 9 00	9 00 @ 10 50	8 00 @ 9 00
Lime:				
Lime of Teil.....	3 50 @ 4 00		Not sold.	White Lime bush 25 @ 30
Hydraulic Lime.....	@ 1 45	@ 1 35	60 @ 70	White Mash { 1 25 @ 1 50
Chicago Lime in bulk.....		St. John 1 00	60 @	1 00 @ 1 00
Wisconsin Lime.....	@ 90	@ 1 05	Not sold.	
Rockland and Rockport, (Com.).....	@ 1 00	@ 1 10	Not sold.	
Rockland and Rockport, finish.....		@ 1 20	1 00 bulk, 75c.	
Kelley Island Lime, finish.....	80 @ 85	Not sold.	Not sold.	Not sold.
State, com. cargo rates (nom.).....	1 05 @ 1 10	Not sold.	Not sold.	Not sold.
State, finishing.....	1 40 @ 1 50	1 85 @ 2 00	1 85 @ 1 90	1 50 @ 2 25
Plaster of Paris (calcined).....	@ 1 60	@ 2 25	1 85 @ 1 90	1 75 @ 2 50
" (casting).....	16 @ 18	25 @ 30	16 @ 20	20 @ 25
Hair (Cattle) bush.....	18 @ 21	@ 30	30 @ 35	30 @ 35
" (Goat).....	1 00 @ 1 25	1 75 @ 1 90	@ 60	@ 1 50
Sand, P. load.....				
STONE. (P. cubic foot, rough.)				
Granite: (Maine)		@ 60		55 @ 65
Limestone:				
Bedford.....	45 @ 1 25	95 @ 1 00	50 @	75 @ 85
Joliet.....	1 00		35 @ 55	Richmond 75 @ 1 50
Lemont.....			35 @ 60	Parch 4 50 @ 5 50
Serpentine.....		10 50 per ton	@ 1 00	

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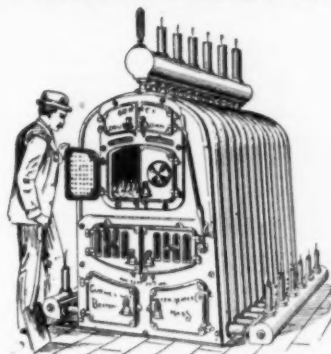
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Foundation: (Wholesale Prices.) (Prices to Builders and Contractors.)				
Dimension.....	5 00	5 00	20	5 00
Block.....	4 60	4 60	15	4 60
Rubble.....	1 25	1 25	8 50	1 45
Blue stone: (P sq. ft.)				Conshocken 1 45 2 50
Sidewalk.....	30 50	40 1 75	75 1 00	1 in. th. 10 25
Planed.....	50 6 00	75	50 1 00	37 50
Sandstone:				
Longmeadow.....	80	80 90		95 1 05
Kibbe.....	90	90 1 10		1 05 1 25
Brown (Connecticut).....	1 00	1 25 1 45	1 50	85 95
Amherst Ohio.....	90 95	90 1 00	45 50	85 95
Berea.....	75 1 00	85 90	45 55	85 95
Berlin.....	75 1 00	80 90	55 65	1 00 1 10
Belleville.....	80 1 25	1 25 1 35	1 25	1 05 1 15
New Brunswick (Dorchester).....	1 00	75 90		1 25 1 35
Caen.....		2 00		95 1 05
Carlisle, English.....	1 05	1 05		95 1 05
Corse Hill (Scotch).....	1 05	1 05		95 1 05
Marble: (P cu. ft.)				
Lee, Mass.....		1 75 2 50	Not Sold.	2 00 2 50
Rutland, white and blue.....		3 00	3 50 6 00	2 00 3 00
Sutherland Falls.....	1 25 1 75	2 00	3 50 6 00	1 70 3 00
Glens Falls, black.....			Not Sold.	4 00 4 50
Italian, blue-veined.....			4 40	12 50 2 75
Sienna.....			Not Sold.	5 00
Tennessee, red.....			4 40	4 00 6 00
Knoxville.....			4 40	3 00 4 00
Pennsylvania, blue.....			Not Sold.	2 00 3 00
Vermont, white.....			3 50 6 00	2 25 3 00
Slate: Roofing (P square):				
green.....	5 00 6 00	4 75 5 25	5 50 6 10	2 30 3 00
unfading.....	5 00 6 00	5 50 6 50	6 50 7 10	3 25 3 75
purple.....	5 00 6 00	5 50 6 50	6 50 7 10	3 50 4 50
red.....	10 00	10 00 11 00	12 00 14 00	1 50 10 25
black, Lehigh.....	4 25 4 75		6 25 6 85	8 25 4 00
Chapmans.....			7 30 8 00	5 00 4 65
Unfading black, Monson, Me.....	5 50 8 00	5 50 8 00	6 00 9 00	5 50 8 00
Tiles, Am.....			Not Sold.	25 00
N. Peach Bottom, warranted unfading.....				6 00 6 75
PAINTS. (In Oil P lb.)				
White lead, Am.....	7 75	6 75	7 75	7 75
zinc.....	5 75	6 75	7 75	7 75
Red lead, Am.....	6 75	6 75	7 75	7 75
Venetian.....	12 70	12 70	12 70	12 70
Vermillion.....	6 75	6 75	6 75	6 75
Indian, Eng.....	6 75	6 75	6 75	6 75
Yellow Ochre.....	12 20	12 20	12 20	12 20
Chrom.....	8 13	8 13	8 13	8 13
Green, Paris.....	25 40	25 40	25 40	25 40
Black, lamp.....	15 25	15 25	15 25	15 25
Blue, ultramarine.....	12 18	12 18	12 18	12 18
Oil, linseed, (raw).....	55 62	46 47	57 60	57 60
boiled.....	58 65	49 50	60 63	60 63
Turpentine.....	36 37	32	40 42	40 42
Varnish, coach.....		1 50 6 00	1 25 2 00	1 25 2 00
Shellac.....		2 50 3 00	2 25 4 00	150 3 00
Putty.....	2	2 4	1 2 2 1	2 24
Whiting.....	75 1 00	1 1	1 1 1 1	1 2
Paris white, (Eng.).....	1 30 2 00	2 3	1 1 2	1 2
Litharge, Am.....	5 6	6 7	6 7	6 7
Sienna (burnt).....	14 20	14 20	14 20	14 20
Umber.....	14 20	14 20	14 20	14 20
HARDWARE.				
Nails: (Per Cask.) Spikes, (wrought).....	2 85		2 35 3 50	per keg 2 25
10d. common.....	2 00	2 20	1 85	2 30
Shingle.....	3 35	2 65	2 35	2 60
Lath.....	4 85	3 20	3 25	3 00 4 75
(Finishing nails according to size).....			Add .85 to \$2.25	per lb 4 6
(For casing nails add 75 c. per keg).....			.50 to .90	Add per cask 2 90 (all kinds.)
Butts: 4" x 4"..... (P doz. pairs).....	1 00	1 20	90	30
Plain.....	1 50	1 75	Not Sold.	1 35 2 00
Japanned.....	1 50	1 90	2 00 3 75	1 35 2 75
Acorn, Japanned.....			Not Sold.	48 60
Ball Tip, Boston Finish..... (P pair).....	55	50	2 00 3 25	1 25
Bronze metal.....	1 90	plain 1 65	12	1 00
Brass (for cupboards).....	10			35
Ebony.....				37 1 00
Apple wood.....				
Knobs: (P set.)				
Mineral, best.....	8	8	8 10	8 08
Lava.....	50	75	65 80	25 50
Hemacite.....	Not Sold.	17 33	31 40	25 25
Porcelain.....	30	50	Not Sold.	1 00 2 50
Glass, solid.....	Not Sold.	88 1 00	1 50	1 75 2 00
Glass, silvered.....	75 2 00	50 3 00	50 3 00	50 3 50
Bronze metal.....	1 00 2 50	50 3 00	14 16	75 1 25
Brass.....			7 7	13 16
Solder:			5 6	6 6
Sheet Lead.....		7 1		
Lead Pipe.....		6 1		
Iron:				
I-Beams, up to and including 30 ft.....	3 3-10 2 1	3 4-10		2 8-10
do. over 30 ft., 1 c. adv. for every 5 ft.....			2 50 2 75	2 8-10
Channel Beams.....	3 3-10 2 1	3 4-10	50 2 75	2 8-10

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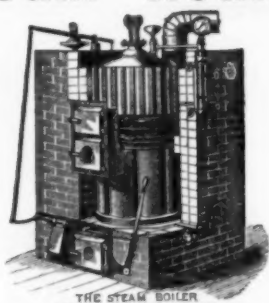
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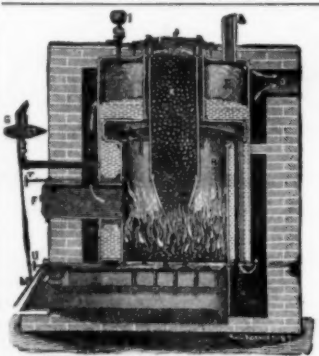
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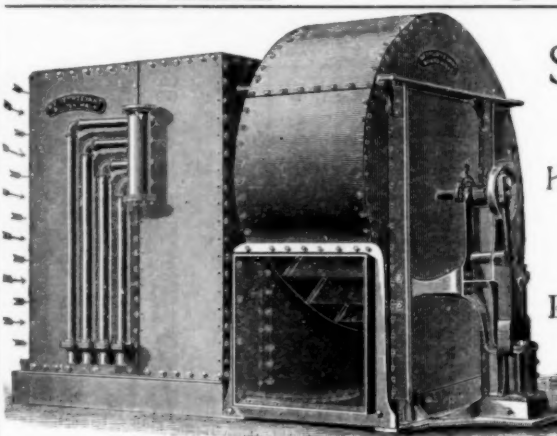
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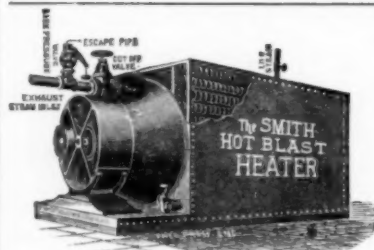
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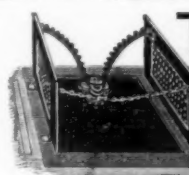


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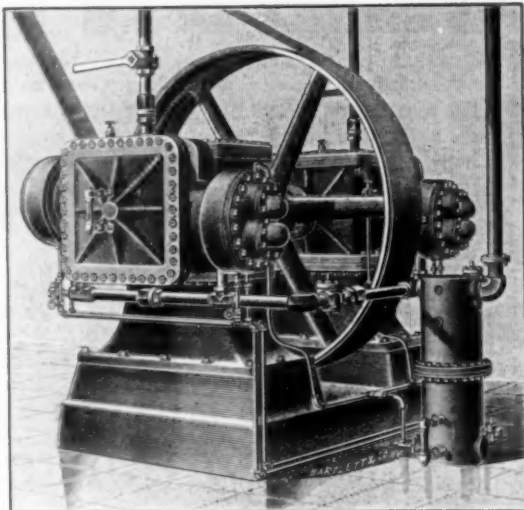
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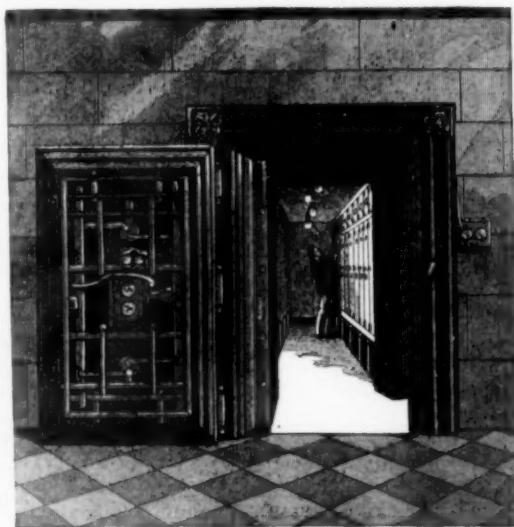
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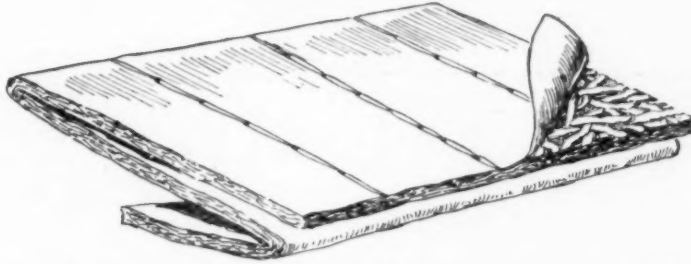
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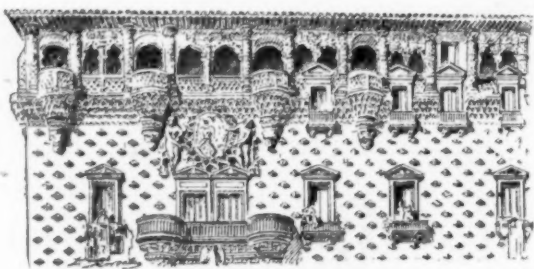
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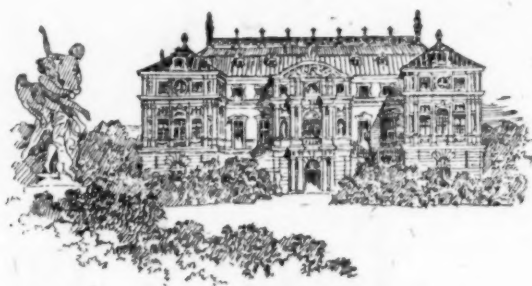
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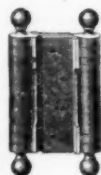
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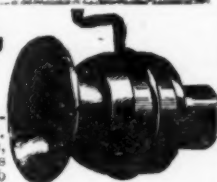
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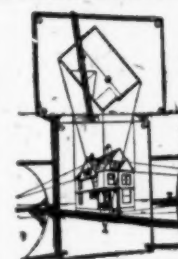
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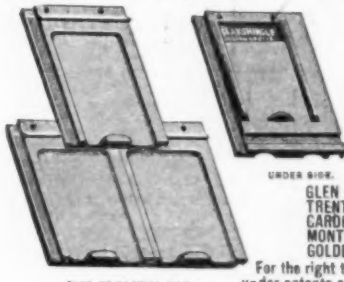
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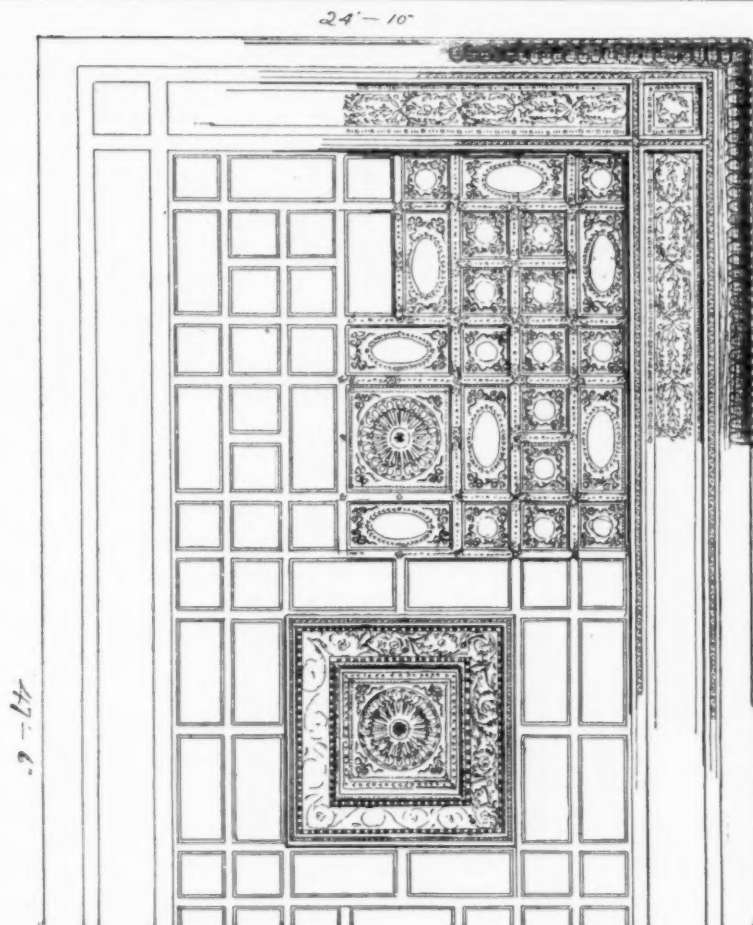
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Chicago Refining and Oil Co., repairs to building, 407-415 Illinois St.; cost, \$3,000.
Alex. Maller, four-st'y addition, 125-127 North Peoria St.; cost, \$3,600.
Eaglesmere, Pa. — Alterations to dwell.; owner, William Emery; architects, Wagoner & Reitmeyer, Hays Building, Williamsport.
Gettysburg, Pa. — Addition to the Lutheran Theological Seminary; cost, about \$30,000.
Gloucester, N. J. — Jersey Ave., addition to Patrick Farrelly's hotel.
Hazleton, Pa. — Addition to hotel; architect, Benjamin Linfoot, 917 Walnut St.
Newtown, Pa. — Alterations and improvements to the Presbyterian Church; pastor, Rev. T. J. Elms.
Philadelphia, Pa. — Alterations to the Harper

BUILDING INTELLIGENCE.

(Alterations Continued.)

Memorial Presbyterian Church; pastor, Rev. H. C. Fox.
Walnut St., No. 1116, alterations; architect, F. Miles Day, 925 Chestnut St.
Wharton St., e. Twelfth St., alterations to Turner Hall; architect, Will. H. Decker, Hale Building.
West Spruce St., alterations to the Presbyterian Church; builder, James Johnson.
Hamilton St., No. 3504, alterations and additions; architect, W. Bleyden Powell, 419 Walnut St.
North Tenth St., No. 248, three-st'y brick rear addition; builder, Wm. E. Arey, Builders Exchange.
Berks St., n. s. e. Twenty-second St., addition to three-st'y school-house; builder, M. McManus, 1416 Tioga St.
Waterloo St., n. w. cor. Cuthbert St., addition to dye-house; builders, Robert Beatty & Bro., 2321 Townsend St.
Seventeenth St., e. s. s. Westmoreland St., alterations to dwell.; builder, Harry Brocklehurst.
Ridge Ave., s. s. above Osborne St., alterations to three-st'y dwell.; builder, John W. Fritzinger.
Holstein Ave., e. s. rear of Eighty-fifth St., addition to brick school-house; builders, McKee Bros., 19 South Thirteenth St.
Twenty-sixth St., w. s. n. Columbia Ave., addition to three-st'y brick school-house; builder, Charles O'Neil, 1216 South Broad St.
Vandever and Locust Sts., below Eleventh St., alterations to two stores; architect, Harold Godwin, 905 Walnut St.; builder, C. O'Neil, 1216 South Broad St.
Alterations and improvements to Dooner's Hotel; architect, Edward Durang, 1200 Chestnut St.
Record Building, alterations to interior of Peirce's Business College; architect, Thomas P. Loudale, Manhattan Life Building.
Thompson St., w. Thirty-first St., improvements and alterations to office-building; owners, The J. & F. Balts Brewing Co.
Sunbury, Pa. — Alterations and additions to the

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BUILDING INTELLIGENCE.

(Alterations Continued.)

Central Hotel; architects, Wagner & Reitmeyer, Hays Building, Williamsport.

APARTMENT-HOUSES.

New York, N. Y. — Ninety-second St., n s, 100' w First Ave., five-sty brick flat, tin roof; cost, \$32,000; owner, Adolph Boischum, 669 East One Hundred and Thirty-fifth St.

Avenue B, Nos. 8-10, five-sty brick flat, tin roof; cost, \$38,000; owners, J. & L. Frankenthaler, 109 Second Ave., architect, Wm. Graul, 215 Broadway. Seventy-eighth St., n s, 120' w First Ave., five-sty brick flat, tin roof; cost, \$14,000; owner, Delia Strickland, 308 Pleasant Ave.; architect, John Hauser, 1441 Third Ave.

One Hundred and Thirty-first St., n s, 175' e Fifth Ave., 3 five-sty brick flats, tin roofs; cost, \$78,000; owner, William Forbes, 5 East One Hundred and Thirty-first St.; architect, John Hauser, 1441 Third Ave.

Sixty-sixth St., n s, 125' e Amsterdam Ave., 2 five-sty brick flats, tin roofs; cost, \$40,000; owners, Amsterdam Improvement Co., 7 Beckman St.; architect, George Keister, 140 West Thirty-fourth St. East Fourth St., Nos. 268-270, 2 five-sty brick flats, tin roofs; cost, \$40,000; owner, Louis J. Rosendorf, 844 Lexington Ave.; architects, Schneider & Herter, 48 Bible House.

One Hundred and First St., s s, 100' w Columbus Ave., 2 five-sty brick flats, tin roofs; cost, \$36,000; owner, W. H. Hall, 227 Lenox Ave.; architects, Neville & Bagge, 517 West One Hundred and Twenty-fifth St.

Ninety-eighth St., s s, 175' e Ninth Ave., 6 five-sty brick flats, tin roofs; cost, \$96,000; owner, John M. King, 114 Madison St.; architect, Geo. Keister, 55 West Thirty-third St.

Mott St., No. 227, five-sty brick flat, tin roof; cost, \$21,000; owner, Gardner Estate, 37 St. Mark's Pl.; architects, Kurtzer & Rohl, cor. Seventh St. and Third Ave.

Philadelphia, Pa. — Fairmount Ave. and Broad St., apartment-house; builders, George F. Payne & Co. Monroe St., No. 232, four-sty brick apartment-house; owner, Solomon Frank, 627 South Third St.

CHURCHES.

Boston, Mass. — Dix St., near Dorchester Ave., Ward 24, one-sty frame chapel, pitch roof, 34' x 75'; owner, Harrison Square Church.

Bridgesburg, Pa. — German Baptist church; architect, Peter Kuhn.

Chester, Pa. — Granite church for the First Baptist congregation; architect, Isaac Pursell, 119 South Fourth St., Philadelphia; chairman of Building Committee, E. L. Cox.

Concord, Pa. — Episcopal church; pastor, Rev. R. L. Stephens.

Kennett Square, Pa. — Second Baptist Church.

Lansdowne, Pa. — Stone M. E. Church; architect, T. Frank Miller.

Merchantville, N. J. — Stone and frame church for the Grace Protestant Episcopal Church. Northeastern section, Roman Catholic church; architect, Edward Durang, 1200 Chestnut St.

Philadelphia, Pa. — Broad St., w s, below Tioga St., brick and brownstone church for Tioga St. Baptist Church; pastor, Rev. Rutgers Dox.

Pittsburgh, Pa. — Aurelia St., bet. Dennistown Ave. and Shady Lane, Presbyterian church. Lincoln Ave., new M. E. Church.

Quakertown, Pa. — New Reformed church.

Reading, Pa. — Elm and Ninth Sts., church for the Covenant M. E. Church.

Spring City, Pa. — Third Ave., new church for the Catholic church.

FACTORIES.

Boston, Mass. — Spice St., rear of Rutherford Ave., Ward 4, frame factory and storage, pitch roof, 20' x 50'; owner, Henry E. Wright; builder, C. O. Stone.

BUILDING INTELLIGENCE.

(Factories Continued.)

Cincinnati, O. — Walker Paint Co., three-sty brick and stone factory, s s Budd St.; cost, \$3,000; architect, Emil Baude.

Egg Harbor, N. J. — Factory; owners, Waechter & Co.

New York, N. Y. — Light St., Nos. 13-15, six-sty brick factory, tin roof; cost, \$200,000; owner, Helen C. Juillard, 16 West Fifty-seventh St.; architect, Alfred Zucker, Lincoln Building, Union Square.

West Thirty-third St., No. 128, six-sty brick factory, tin roof; cost, \$40,000; owner, James McGlenahan, Portchester, N. Y.; architects, Jardine, Kent & Jardine, 1262 Broadway.

East Fifty-ninth St., Nos. 232-236, six-sty brick factory, tin roof; cost, \$52,000; owners, Bloomingdale Bros., Fifty-ninth St. and Third Ave.; architect, Albert Wagner, 67 University Pl.

East Ninety-fourth St., Nos. 311-315, one-sty brick factory, gravel roof; cost, \$10,000; owner, Eva M. Rapp, 542 East Eighty-seventh St.; architect, John W. Rapp, 542 East Eighty-seventh St.

Philadelphia, Pa. — York St., s s, e Thompson St., frame and glass factory; builders, Ezekiel Stewart's Sons.

Salem, N. J. — Bruno Ice Cream factory will be rebuilt; owner, Mr. Criscom.

Shenandoah, Pa. — Emerick St., hat-factory; builder, James B. Davis.

Spring City, Pa. — Bridge St., frame factory; owner, John Yeager, Jr.

HOSPITALS.

Cincinnati, O. — A. F. Sanders, four-sty brick and stone private hospital, n s Twelfth St.; cost, \$18,000; architect, Jas. W. McLaughlin.

HOTELS.

Philadelphia, Pa. — Fenango and Richmond Sts., brick hotel; owner, F. Wiedemer; architect, Peter Kuhn.

HOUSES.

Baltimore, Md. — J. K. Hubbard, 3 three-sty brick buildings, e s Madison Ave., near Whitelock St.

Edward Kuenne, three-sty brick building, s w cor. Light and Montgomery Sts.

Jas. F. Morgan, 18 two-sty brick buildings, s s Clement St., beg. e cor. Race St.; also 21 two-sty brick buildings, n s Clement St., beg. n e cor. Race St.

Edward Stork, 6 two-sty brick buildings, n s Lavale St., bet. Harford Ave. and Spring St.; also 7 two-sty brick buildings, w s Spring St., bet. Lavale and Townsend Sts.

George Boehm, 3 two-sty brick buildings, s s s Belair Ave., near Boehm's Lane.

V. E. Tempo, 4 two-sty brick buildings, n s James St., bet. Carey and Stockholm Sts.

L. Buckner, 2 three-sty brick buildings, e s s Albe-marle St., bet. Pratt and Stiles Sts.

J. C. & W. Hildenbrand, three-sty brick building, n s Kirby's Lane, bet. Franklin St. and Edmondson Ave.

James Bond, 2 three-sty brick buildings, s s Millman St., bet. Dallas and Bond Sts.

Boston, Mass. — Lyons St., near Lauriat Ave., Ward 24, three-sty frame dwell., pitch roof, 20' x 36'; owner and builder, Bernard Hoey.

Catawba St., No. 14, Ward 21, three-sty frame dwell., pitch roof, 20' x 56'; owner, Daniel Guinay; builder, L. S. Boutler.

Forest Hills St., near Peter Parley Road, Ward 23, 2 three-sty frame dwell., flat roofs, 21' x 50'; owner, Alice J. Reed; builder, J. P. Shaw.

Commonwealth Ave., No. 174, Ward 11, four-sty brick dwell., flat roof, 22' x 68'; owner and builder, L. M. Merrill.

East Third St., No. 729, Ward 14, three-sty frame dwell., flat roof, 24' x 51.6'; owner, J. J. O'Connor; builder, W. Eadie.

Franklin Park Terrace, near Walnut Ave., Ward 23, frame dwell., gambrel roof, 30' x 41'; owner, Mrs. R. D. Peters; builders, O. C. Higgins & Co.

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BUILDING INTELLIGENCE.

(Houses Continued.)

Ridgmont St., near Cambridge St., Ward 25, three-sty frame dwell., 26' x 46.4'; owner, Mrs. H. T. Dowling; builder, A. E. Ellis.

Wenham St., near Weldon St., Ward 23, frame dwell., 25.0' x 42.6'; owner, Timothy McLaughlin; builder, J. G. A. Cahill.

Burnside Lane, near Tremont St., Ward 22, three-sty frame dwell., flat roof, 23' x 43'; owner, Thomas Mulvey; builder, Wm. Curley.

Elgin St., near Hillcrest St., Ward 23, frame dwell., 21' x 36'; owner, Mrs. V. C. Turner; builder, J. O'Neill.

Clarendon Ave., near Helborn St., Ward 23, frame dwell., 21' x 28'; owner, J. P. McLaughlin; builder, Terrence Caldwell.

Newburgh St., near Cornell St., Ward 23, frame dwell., 26' x 28'; owners and builders, Willis Bros.

Bradlee St., near School St., Ward 24, frame dwell., 27' x 56'; owner, Mary E. Willett; builders, Burke Bros.

Dacia St., near Dewey St., Ward 20, three-sty frame dwell., flat roof, 29.6' x 47'; owner, Miss E. T. Gorham; builder, M. J. Curley.

Lamartine Terrace, near Lamartine St., Ward 23, frame dwell., hip roof, 26' x 49.9'; owner, L. L. P. Atwood, trustee; builder, D. McNeil.

Tremont St., cor. Wait St., Ward 22, three-sty brick dwell., flat roof; owner, Mrs. S. H. Maguire; builder, T. F. Maguire.

Morton St., near Selden St., Ward 24, frame dwell., 27' x 54'; owner, Alex. Smiley; builder, Henry Smiley.

Fontine St., near Norfolk St., Ward 20, three-sty frame dwell., pitch roof, 24' x 34'; owner, W. B. Thomas; builders, Chute & Bagloe.

Maywood Terrace, off Maywood St., Ward 21, three-sty frame dwell., pitch roof, 23' x 51'; owner and builder, W. Donaldson.

Prospect St., near Amherst St., Ward 23, frame dwell., 26' x 46'; owner, S. R. Cretschmer; builder, P. M. Brown.

Torry St., near Withington St., Ward 24, frame dwell., 26' x 29'; owner and builder, F. J. Rockwell.

Washington St., No. 1152, Ward 24, three-sty frame dwell. and store, flat roof, 24' x 48'; owner, Mrs. L. W. Whittier; builder, J. D. Chute.

Enderleigh St., near Savin Hill Ave., Ward 24, four frame dwell., 23' x 37' and 22' x 28'; owner and builder, Isaac Schurman.

Brooklyn, N. Y. — Magenta St., s s, 225' w Crescent St., 3 two-sty frame dwell., tin roofs; cost, \$2,000 each; owner, Thos. Fitzpatrick, Hill St., near Market St.

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

Hancock St., s s, 75' w Reid Ave., two-sty brick dwell., tin roof; cost, \$4,000; owner, Chas. Seibel, Morristown, N. J.; architect, H. Vollweiler, 453 Hart St.

Sumpter St., n s, 150' w Patchen Ave., 2 five-sty brick dwell., tin roofs; cost, \$12,500 each; owner, C. F. Brownell, 1180 Fulton St.; architect, M. Dahl-lander, 186 Remsen St.

New Jersey Ave., w s, 80' n Blake Ave., three-sty brick dwell., tin roof; cost, \$6,000; owner, F. Bischoff, New Jersey Ave., near Fulton St.; architect, Chas. Infanger, Van Sielen and Atlantic Aves.

Richmond St., w s, 100' n Etna St., two-sty frame dwell., shingle roof; cost, \$3,000; owner, Emil Cartier, Richmond St., near Etna St.; architect, Chas. Infanger, Atlantic and Van Sielen Aves.

Fifty-ninth St., s s, 175' e Fifth Ave., two-sty frame rectory, shingle roof; cost, \$6,000; owners, Redemptorist Fathers, Fifty-seventh St. and Fifth

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D. H. BURNHAM, Director of Works, World's Columbian Exposition, Jackson Park, Chicago, Ill., for lighting the Fine Arts Building and the Woman's Building; also by Messrs. SHEPLEY, RUTAN & COOLIDGE, Architects, for the Art Institute, Chicago, Ill., and by Messrs. FULLER & WHEELER, Architects, for the Convention Hall, Saratoga Springs, N. Y.

BUILDING INTELLIGENCE.

(Houses Continued.)

Ave.; architect, T. F. Houghton, 213 Montague St. First Pl., s s, 102' e Covert St., four-sty brick dwell., tin roof; cost, \$9,000; owner, Thos. Keough, 95 Third Pl.

President St., n s, 161' 1" w Court St., four-sty brick dwell., tin and slate roof; cost, \$13,500; owner, Rev. A. J. Lyman, D. D., 564 Henry St.; architect, W. Leeming, 625 Fulton Building, New York City.

Plaza, w s, 150' n Union St., four-sty brick dwell., tile and tin roof; cost, \$30,000; owner, Mrs. Elizabeth Gates, Cleveland Baking Co., Liberty St., New York City; architects, Lamb & Rich, 265 Broadway, New York City; builders, L. W. Seaman, Jr., & Son, Grand Ave.

Ashford St., w s, 139' 0" n Arlington Ave., three-sty frame dwell., tin roof; cost, \$3,000; owner, Clarence B. Ensley, 183 Montague St.

Wyona Ave., w s, 50' n Belmont Ave., two-sty frame dwell., tin roof; cost, \$4,000; owner, William T. Sandry, Belmont Ave., near Schenck Ave.; architect and builder, W. C. Anderson, 108 Arlington Ave.

Vermont Ave., w s, 200' s Blake Ave., 3 two-sty brick dwell., tin roofs; cost, \$3,200 each; owners, The German-American Improvement Co., Van Sieten Ave.; architect, Wm. Danmar, Van Sieten Ave.

New Jersey Ave., e s, 200' s Blake Ave., 3 two-sty brick dwell., tin roofs; cost, \$3,200 each; owners, The German-American Improvement Co., Van Sieten Ave.; architect, Wm. Danmar, Van Sieten Ave.

Wyona St., e s, 160' n Dumont Ave., 3 two-sty brick dwell., tin roofs; cost, \$3,200 each; owners, The German-American Improvement Co., Van Sieten Ave.; architect, Wm. Danmar, Van Sieten Ave.

Bradford St., w s, 160' n Dumont Ave., 3 two-sty brick dwell., tin roofs; cost, \$3,200 each; owners, The German-American Improvement Co., Van Sieten Ave.; architect, Wm. Danmar, Van Sieten Ave.

Van Voorhis St., n s, 100' w Hamburg Ave., 5 two-sty frame dwell., tin roofs; cost, \$3,000 each; owners, H. C. Doyle and Peter Brockway, 84 Greene Ave. and 122 McDougal St.; architect, C. Terry, 175A Pacific St.

Herman St., n s, 75' w Hamburg Ave., three-sty frame dwell., tin roof; cost, \$4,500; owner, S. S. Krefell, 793 Monroe St.; architect, H. Vollweiler, 483 Hart St.

Eastern Parkway, s w cor. Watkins St., 2 three-sty frame dwell., tin roofs; cost, \$15,000; owners, R. Max, Osborne St., near Sutter Ave.; architect, Louis Dananher, 31 Watkins St.

Chicago, Ill.—Laura Hardy, three-sty dwell., 703 Burling St.; cost, \$3,000.

C. W. Madison, two-sty dwell., 694 Maplewood Ave.; cost, \$3,500.

W. H. Bowman, three cottages, 2423-2427 Thirty-eighth St.; cost, \$3,000.

Helen Adams, two-sty dwell., 41 Gordon Terrace; cost, \$5,000.

August Jacobs, two-sty dwell., 1221 Michigan Ave.; cost, \$4,500.

Gloucester, N. J.—Monument St., dwell.; owner, Joseph R. Whittington.

Cincinnati, O.—A. Schuttenhelm, two-and-one-half-sty frame dwell., s w Sanders Ave.; cost, \$2,500; architects, Reig & Marty.

Bofinger & Hopkins, owners and architects, two-and-one-half-sty frame dwell., s e Nelson's Ave.; cost, \$3,000.

Mrs. Hasline, two-and-one-half-sty frame dwell., e s Hawthorne Ave.; cost, \$4,350; architects, Sweeney & Robinson.

Mrs. Murray, two-and-one-half-sty frame dwell., e s Hawthorne Ave.; cost, \$4,350; architects, Sweeney & Robinson.

Bofinger & Hopkins, owners and architects, two-and-one-half-sty frame dwell., e s Nelson Ave.; cost, \$3,000.

Mrs. A. Ahlers, three-and-one-half-sty brick and stone dwell., 400 Liberty St.; cost, \$4,500; architect, Adam Bist.

Chas. H. Goffus, two-and-one-half-sty brick and stone dwell., s s Bruce Ave.; cost, \$4,000; architect, W. W. Franklin.

John B. Stall, three-and-one-half-sty double brick and stone dwell., n s Kilgour St.; cost, \$5,000; architect, Theo. Sanning.

S. S. Schneider, two-and-one-half-sty brick and stone dwell., s s Fairfield Ave.; cost, \$8,700; architects, Nash & Plympton.

New York, N. Y.—West End Ave., w s, 80' s Ninety-first St., four-sty brick dwell., mansard, slate and tin roof; cost, \$12,000; owner, Fourth Presbyterian

BUILDING INTELLIGENCE.

(Houses Continued.)

Church, 114 West Thirty-fourth St.; architects, Heins & La Farge, 5 Beekman St.

Ninety-second St., n s, 235' w Park Ave., 2 four-sty brick dwell., tin roofs; cost, \$36,000; owner, Daniel M. Quackenbush, 7 East Ninety-second St.; architect, Louis Eutzer, Jr., 179 East Ninety-sixth St.

Andrews Ave., e s, 250' n One Hundred and Eighty-fourth St., three-sty brick and frame dwell., peak shingle roof; cost, \$55,000; owner, James D. Brown, Purdy's Station, N. Y.; architect, Charles S. Clark, 719 East One Hundred and Seventy-seventh St.

Marion Ave., w s, 90' n Coles St., three-sty brick and frame dwell., peak shingle roof; cost, \$3,600; owner, Sarah A. Lisk, 2625 Marion Ave.; architect, C. H. Sperry, 18 Broadway.

One Hundred and Seventy-fifth St., n s, 200' e Prospect Ave., three-sty brick and frame dwell., peaked shingle roof; cost, \$3,500; owner, Rudolph Lindenthal, Fairmo Pl. and Marion Ave.; architect, J. J. Vreeland, 711 East One Hundred and Seventy-seventh St.

Fleetwood Ave., n e cor. One Hundred and Seventy-seventh St., three-sty brick and frame dwell., peak tin and shingle roof; cost, \$5,000; owner, Carrie E. Trask, Great Neck, L. I.; architect, J. J. Vreeland, 711 East One Hundred and Seventy-seventh St.

Marion Ave., w s, 115' n Cole St., three-sty brick and stone dwell., peak shingle roof; cost, \$3,700; owner, Sarah A. Lisk, 1625 Marion Ave.; architect, C. H. Sperry, 18 Broadway.

Washington St., four-sty brick dwell., tin roof; cost, \$17,000; owner, Rev. Daniel J. McCormick, 156 Christopher St.; architect, L. J. O'Connor, 132 Nassau St.

Webster Ave., e s, 22' n One Hundred and Seventy-first St., three-sty brick and frame dwell., tin roof; cost, \$4,000; owner, William S. Davies, 688 One Hundred and Seventy-eighth St.; architects, Schrim & Flagg, 205 Main St., New Rochelle, N. Y.

Decatur Ave., w s, 129' s Travers St., three-sty brick dwell., peak shingle roof; cost, \$3,000; owner, Joseph Murphy, 106 West One Hundred and Second St.; architect, Chas. S. Clark, 719 East One Hundred and Seventy-seventh St.

Union Ave., w s, 172' s One Hundred and Fifty-sixth St., three-sty brick and frame dwell., peak shingle roof; cost, \$3,500; owner, Julius Figlinolo, 342 East One Hundred and Fifteenth St.

Philadelphia, Pa.—Washington St., s w cor. Vanduyke St., three-sty brick dwell.; builder, James G. Mehan, 7928 Holmes Ave.

Clifton St., Nos. 604, 610 and 612, three brick dwell.; builder, John H. Hutchinson, 1630 South Thirteenth St.

Tasker St., n s, e Fifth St., 2 two-sty brick dwell.; owner, John H. Keiter, 1800 South Seventeenth St.

Manor St., n s, e Market St., 4 two-sty brick dwell.; owner, James Harper, 3921 Terrace St.

Albany St., n s, e York St., three-sty brick dwell.; builder, J. R. Minnick, Palmyra, N. J.

Broad St., e s, s Fitzwater St., three-sty brick dwell.; builder, P. O'Meara, 2336 Jefferson St.

Shurs Lane, n e s, s Terrace St., 2 three-sty brick dwell.; owner, John Hare, 120 Howard St., Manayunk.

Thirty-and-three-fourths St., w s, n Berks St., 24 two-sty brick dwell.; owner, Jos. M. Serrill, Wyncoffe, Pa.

Westmoreland St., s w cor. Front St., three-sty brick dwell.; builder, George Kessler, 1643 Perth St.

Donganon St., No. 1229, two-sty brick dwell.; builder, James W. Hare, 1302 South Seventeenth St.

Bell Mill Road, n s, w Stenton Ave., three-sty brick dwell.; builder, W. C. Mackie, Chestnut Hill.

Haworth St., s s, e Main St., 2 two-sty brick dwell.; owner, R. H. Eastburn, 4666 Penn St.

City Line, e s, n Lancaster Ave., 3 three-sty brick dwell.; builders, Wendell & Smith, Overbrook Station.

Eleventh St., w s, n Chelton Ave., 2 three-sty brick dwell.; owner, C. H. Hankel, 1945 Croskey St.

BUILDING INTELLIGENCE.

(Houses Continued.)

Helen St., e s, s Somerset St., 3 two-sty brick dwell.; owner, F. Mawhinney, 2745 Coral St.

Kirkbride St., e s, s Garden St., two-sty brick dwell.; builders, Koliver Bros., 2737 Ash St.

Arrott St., n s, e Horrocks St., 2 three-sty brick dwell.; builder, W. Keas, 4624 Penn St.

Tacony St., No. 4757, two-sty brick dwell.; builder, Chas. Roth, 432 Huntington St.

York St., s s, w Twelfth St., 3 two-sty brick dwell.; builder, Joseph Murphy, 1633 South Twenty-first St.

South Eighteenth St., Nos. 1901-3-5, 3 two-sty brick dwell.; builder, Geo. A. Wagner, 1836 South Eighteenth St.

Mt. Pleasant St., n w cor. Mt. Airy Ave., three-sty brick dwell.; owner, R. C. Gayett, Mt. Pleasant.

Mt. Pleasant St., n s, e Emlyn St., three-sty brick dwell.; owner, C. MacHugh, Emlyn and Mt. Pleasant Sts.

Rochelle St., n s, w Freedland St., 2 three-sty brick dwell.; builders, Duncan & Shaw, 201 Green Lane.

Franklin St., n w cor. Emlyn St. and Franklin St., s s, s w Emlyn St., 5 three-sty brick dwell.; owners, Wendell & Smith, Overbrook Station.

York St., n s, w Ninth St., two-sty brick dwell.; builders, Hoersch & Weidner, 3105 North Fifth St.

Beachwood St., w s, s York St., 24 two-sty brick dwell.; owner, Rob't. Buchanan, 2025 North Twenty-second St.

Lehigh St., s s, s Frankford Ave., two-sty brick dwell.; builder, F. Dietrich, 2677 Frankford Ave.

Spruce and Forty-first Sts., 2 three-sty brick dwell.; architect, Horace Trumbaur, 310 Chestnut St.

Almond St., e s, s Buckins St., two-sty brick dwell.; builder, Fred. Breiulinger, 4545 Salmon St.

Sixteenth St., w s, s McKean St., 4 two-sty brick dwell.; owner, Andrew Moore, 1735 South Seventeenth St.

Mill St., n e s, s w Mill St. and s w Paul St., 5 two-sty brick dwell.; builders, Clark & Co.

York St., n s, w Twentieth St., 32 three-sty brick dwell.; owner, John Stafford, 1606 Susquehanna Ave.

Boston Ave., s s, s Twentieth St., 66 two-sty brick dwell.; owner, John Stafford, 1606 Susquehanna Ave.

Twentieth St., w s, s York St., 6 three-sty brick dwell.; owner, Wm. Blair, 2457 North Twentieth St.

North Sixteenth St., No. 217, three-sty brick dwell.; builder, Lewis Havens, 218 Girard Building.

Susquehanna Ave., s s, w Thirty-second St., 8 three-sty dwell.; owners, J. H. Stevenson & Son, Ridge Ave. and Diamond St.

Christian St., n e cor. Twentieth St., 3 three-sty brick dwell.; owner, Chas. H. Lafferty, 1943 Christian St.

Arizona St., s s, e Thirty-first St., 7 two-sty brick dwell.; agent, John Klebe, 2228 North Eleventh St.

Belgrade St., No. 2655, two-sty brick dwell.; builders, John H. Gordon & Bro., 2606 Richmond St.

Marshall St., e s, s Luzerne St., two-sty brick dwell.; owner, Thomas Mawson, Luzerne St., e Marshall St.

Edmund St., e s, n Friendship St., 2 two-sty brick dwell.; builder, W. Milnor & Co., s w cor. Penn and Allen Sts.

Snyder Ave., n e cor. Thirtieth St., six-sty brick dwell.; owner, Michael Whalen, 1225 Snyder Ave.

Island Road, w s, near Eightieth St., two-sty frame dwell.; owner, Geo. W. Gibson, Paschallville.

Gray's Ferry, n w cor. Seventy-first St., two-sty brick dwell.; builder, Benedict Knecht, Paschallville.

Chestnut St., w Thirty-third St., row of three-sty brick and stone dwell.; architect, John Alry.

Oak Lane, s s, w Eleventh St., two-sty brick dwell.; builder, Frank S. Begge, 358 South Thirtieth St.

Herman St., w s, s Berner St., two-sty brick dwell.; owner, John N. Wise, Frankford Ave., s Buckins St.

Darien St., e s, s Cayuga St., two-sty brick dwell.; builder, John Miller, 3919 North Sixth St.

Brooks St., No. 712, three-sty brick dwell.; builder, Philip Halbach, Thompson and Twenty-sixth Sts.

Red Bank, N. J.—Dwell.; owner, S. T. Hendickern, Jr.; builders, Lewing, Jeffrey & Co.

Ridley Park, Pa.—Dwell. for F. W. Lampung.

Ridley Ave., dwell.; builder, C. J. Urban.

Spring City, Pa.—Double frame dwell. for J. K. Leidy; builders, Keiter & Son.

Telford, Pa.—Brick dwell.; owner, Jno. H. Shellenberger.

(Houses Continued.)

West Chester, Pa.—South Walnut St., dwell.; owners, the Misses Girard.

Worcester, Mass.—Thienus St., three-st'y frame dwell.; owner, Geo. Sutton; contractor, J. I. Elliot.
Lincoln St., two-st'y frame dwell.; owner, C. F. Davis; architect, Geo. H. Clemence; day work.

Pleasant St., two-st'y frame dwell.; owner, C. Leslie Chamberlain; contractor, O. C. Thayer.

Tatman St., one-and-one-half-st'y frame dwell.; owner, A. Hagerstrom; contractors, Setter & Hjelm.

Suffield St., three-st'y frame dwell.; owner, J. P. Hackett; contractor, J. A. Courtemanche.

Whitney St., three-st'y frame dwell.; owner, J. S. Perry; contractor, Wm. O. Burns.

Harlem St., three-st'y frame dwell.; owner, J. S. Perry; contractor, Wm. O. Burns.

OFFICE-BUILDINGS.

Philadelphia, Pa.—Delaware Ave., s e cor. Shackamaxon St., two-st'y brick office; builder, Howard Busby, 4617 Wakefield St.

Washington Ave., s w cor. Twenty-second St., two-st'y brick dwell.; builder, Jacob R. Jordan, 1626 South Broad St.

SCHOOL-HOUSES.

Allentown, Pa.—Two-st'y brick and stone school-house.

High school building; School Board.

Asbury Park, N. J.—School house; builders, Lowing, Jeffrey & Co.

Easton, Pa.—Brick and stone school-house.

Long Branch, N. J.—School-house; builders, Lowing & Jeffrey.

May's Landing, N. J.—School-house; builder, Jno. W. Auld.

Mount Holly, N. J.—Stone and terra-cotta school-house; builder, J. B. Huff.

Pawtucket, R. I.—Broadway, cor. Fountain St., high school; cost, \$150,000; owner, City of Pawtucket; architects, Stone, Carpenter & Willson.

Pensaukin, N. J.—School-house; builder, Frank Brunner; cost about \$2,179.

STABLES.

Brooklyn, N. Y.—Gerry St., n s, 75^e e Marcy Ave., two-st'y brick stable and cooper shop, tin roof; cost, \$7,500; owners, Moller & Schumann, Ferry Ave. and Gerry St.; architect, Th. Engelhardt, 905 Broadway.

Fourth Ave., s w cor. Forty-eighth St., three-st'y brick stable, tin roof; cost, \$8,000; owner, John Curran, Third Ave., bet. Forty-seventh and Forty-eighth Sts.; architect, H. L. Spicer, Third Ave. and Fifty-third St.; builder, D. Regan, Third Ave. and Twenty-third St.

Gloucester, N. J.—Stable for the ferry company.

Philadelphia, Pa.—Kressler St., w s, s Diamond St., two-st'y brick stable; builder, A. F. McCorkle, 2055 North Ninth St.

Gibson Ave., s w cor. Eighty-second St., two-st'y brick stable; owner, John F. Bergman, Eighty-second St. and Gibson Ave.

Kleventh St., e s, n Indiana Ave., two-st'y brick stable; builder, Robert E. Morgner, 401 Clearfield St.

Hamilton St., e e cor. Sixty-third St., one-st'y brick stable; builder, Daniel Walters, 435 North Sixty-fifth St.

Poplar St., No. 4000, one-st'y brick stable; builder, Jas. T. Riley, 3826 Hamilton St.

Springer St., s s, e Ger. Ave., two-st'y brick stable; builder, Martin Hetzel, 45 Church St., Germantown.

Jasper St., No. 2823, one-st'y brick stable; owner, W. J. Kennedy, 2119 Garret St.

Fairhill St., w s, n Indiana Ave., two-st'y brick stable; builder, Fred. Dokewad, Eleventh St. and Nicetown Lane.

Wharton St., s s, w Eleventh St., one-st'y brick stable; builders, Doyle & Doak, 1511 Moravian St.

Spring Garden St., Nos. 1115-1119, stables and bakery; owners, The Spring Garden Baking Co.

Glennwood Ave., No. 507, brick stable; builder, Ludwig Lambrecht, 3256 North Fifth St.

Doungamon St., No. 1223, two-st'y brick stable; builder, Jas. W. Hare, 1302 South Seventeenth St.

Dancroft St., w s, s McKean St., two-st'y brick stable; owner, Fred. A. Robinson, 919 Snyder Ave.

North Sixth St., No. 2616, three-st'y brick dwell.; owners, Firsch & Rayling, Fifth and Lehigh Aves.

STORES.

Philadelphia, Pa.—Chancery Lane and Coombs Alley, three-st'y brick store; builder, Geo. L. Harvey, 1608 Spruce St.

WAREHOUSES.

Baltimore, Md.—The Johns Hopkins University will build five-st'y brick warehouse, n s Baltimore St., bet. Charles and Liberty Sts.

MISCELLANEOUS.

Baltimore, Md.—Northern Central Railway Company, two-st'y corrugated iron building, s e cor. Monument and Holliday Sts.

Boston, Mass.—Magazine St., near Dudley St., Ward 20, two-st'y brick building, flat roof, 25' x 56.0'; owners, Little Sisters of the Poor.

Brooklyn, N. Y.—Duck St., s w s, and Newtown Creek, two-st'y brick machine and blacksmith shop, gravel roof; cost, \$4,000; owner and architect, Jas. D. Leary, 43 East Twenty-fifth St., New York City.

Waverly Ave., w s, 128^e s Lafayette Ave., two-st'y brick hall and bowling alley, iron roof; cost, \$17,000; owner, A. J. Pouch, 315 Greene Ave.; architect, N. A. Mendell, Phoenix Building.

Degree St., n s 137^e e Court St., two-st'y fire-engine house, tin roof; cost, \$10,000; owners, Department of City Works, 15 and 33 Municipal Building; architect, Engineer of City Works; builders, Leonard Bros., 735 Bergen St.

Scholes St., n s, 100^e e Union Ave., two-st'y brick fire-engine house, tin roof; cost, \$10,000; owners, Department of City Works, 15 and 33 Municipal Building; architect, Engineer of City Works; builders, Leonard Bros., 735 Bergen St.

Georgia Ave., e s, 130^e s Liberty Ave., 2 one and two st'y brick boiler and engine houses, gravel roofs; cost, \$5,000; owners, Fiel Bros., Sheffield and Liberty Aves.; architects, Weber & Dresser, 2 Stone St., New York City.

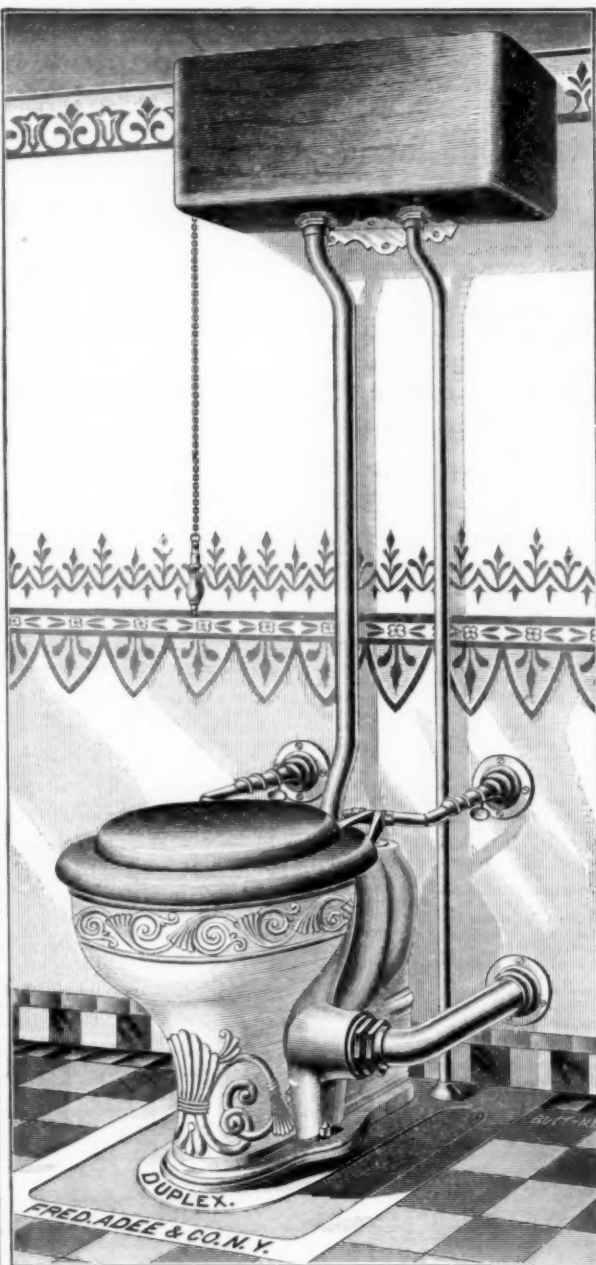
Chester, Pa.—Club-house for the Chester Bicycle Club.

Cincinnati, O.—Cincinnati Gas-light and Coke Co., brick and stone retort-house, s s Front St.; cost, \$15,000; architect, Geo. W. Rapp.

Erie, Pa.—Plans for a brick building; G. F. Walther.

Kansas City, Mo.—The Progress Club will build

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(Miscellaneous Continued.)

brick club-house, to cost about \$30,000, from designs by Gwinn & Curtis, architects.

Kennett Square, Pa.—Machine shop; American Road Machine Company.

Mauch Chunk, Pa.—Three-st'y brick Y. M. C. A. Building.

PROPOSALS.

STEAM-HEATING AND VENTILATION.

[At Barnstable, Mass.]

OFFICE OF J. WILLIAMS BEAL, ARCHITECT,

BOSTON, August 23, 1893.

Sealed proposals will be received at the office of J. Williams Beal, Architect, 55 Kilby Street, Boston, until 11 o'clock A. M. Wednesday, September 13, 1893, for the heating and ventilation of the Barnstable County Court-house.

Plans and specifications may be seen at said architect's office on and after Saturday, August 26, 1893. The Commissioners reserve the right to reject any or all bids.

SAMUEL SNOW,
JOHN H. CLARK,
RICHARD A. RICH,
For the Commissioners.

J. WILLIAMS BEAL,
Architect.

924

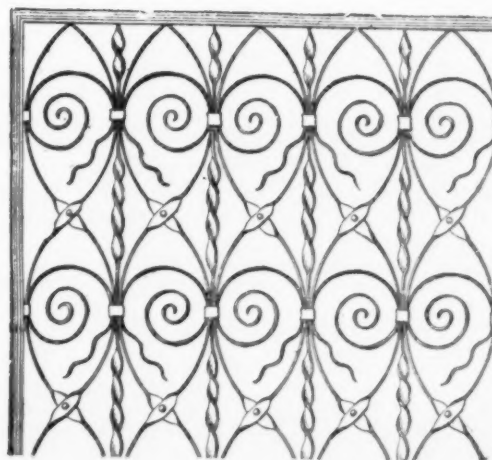
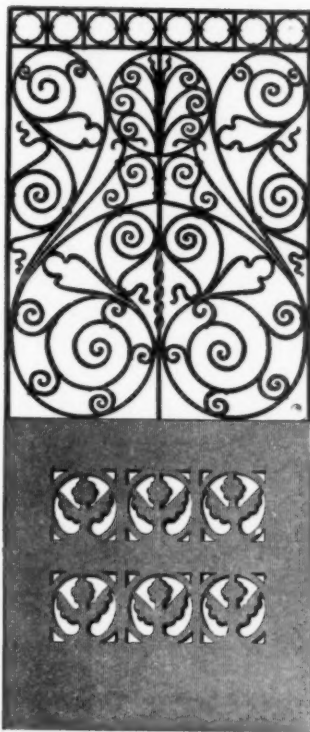
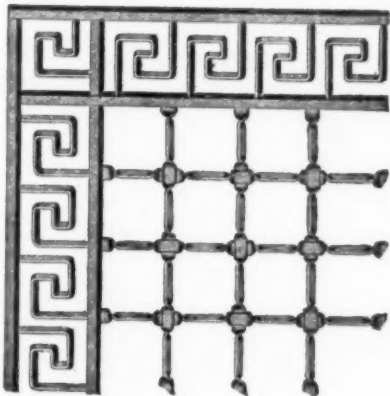
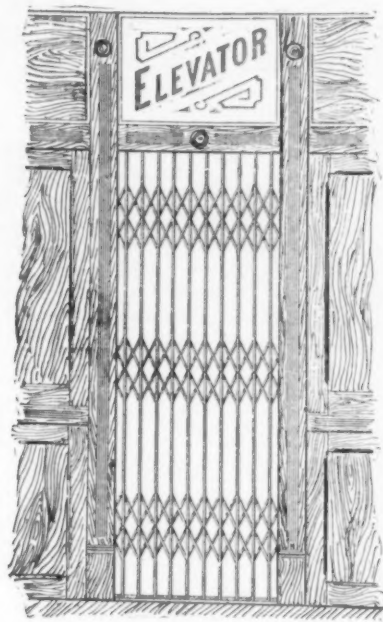
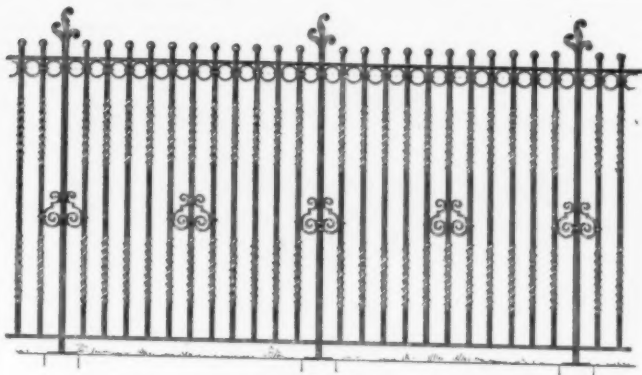
(Continued in Supplement.)

PROPOSALS.

Treasury Department, Office Supervising Architect, Washington, D. C., August 26, 1893. Sealed proposals will be received at this office until 2 o'clock P. M. on the 19th day of September, 1893, and opened immediately thereafter, for all the labor and materials required for the cut-stone work and brick-work, iron and wood floor, ceiling and roof construction and roof-covering for the superstructure of the United States Post-office building at Aurora, Ill., in accordance with the drawings and specification, copies of which may be had at this office or the office of the Superintendent at Aurora, Ill. No convict labor nor the product of any convict labor will be allowed in this work. Each bid must be accompanied by a certified check for a sum not less than two per cent of the amount of the proposal. The right is reserved to reject any and all bids, and to waive any defect or informality in any bid, if it be deemed in the interest of the Government to do so. All proposals received after the time stated will be returned to the bidders. Proposals must be enclosed in envelopes sealed and marked "Proposal for Cut-stone Work and Brick-work, etc., for the Superstructure of the United States Post-office building at Aurora, Ill.," and addressed to JEREMIAH O'ROURKE, Supervising Architect.

United States Engineer Office, Mobile, Ala., August 28, 1893. Sealed proposals for improvement of Mobile Harbor, Ala., dredging in Mobile River, Ala., will be received at this office until 12 M. Thursday, September 28, 1893, and then publicly opened. Specifications, blank forms and all available information will be furnished on application to this office. A. N. DAMRELL, Major of Engineers, U. S. A.

925



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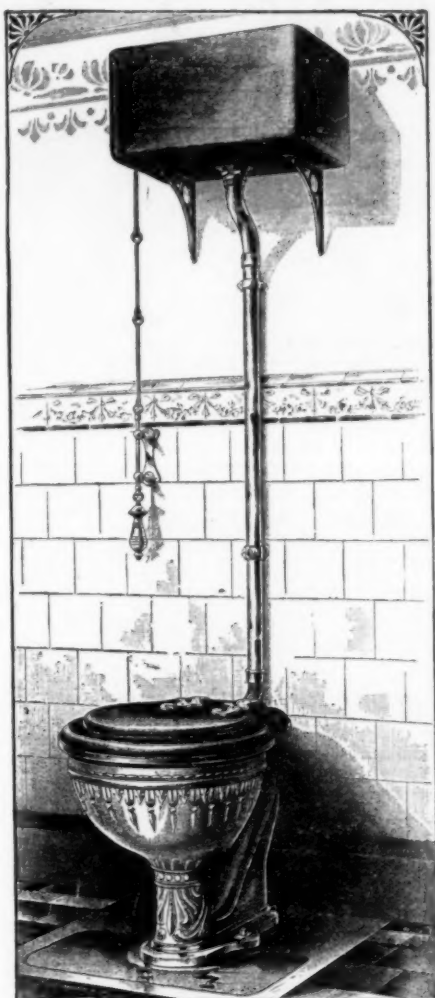


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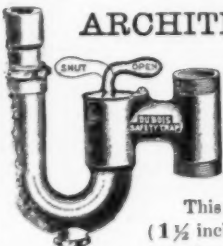
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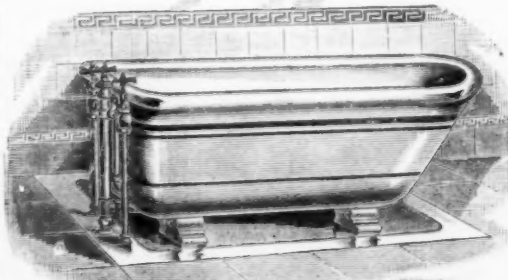
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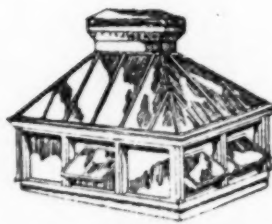
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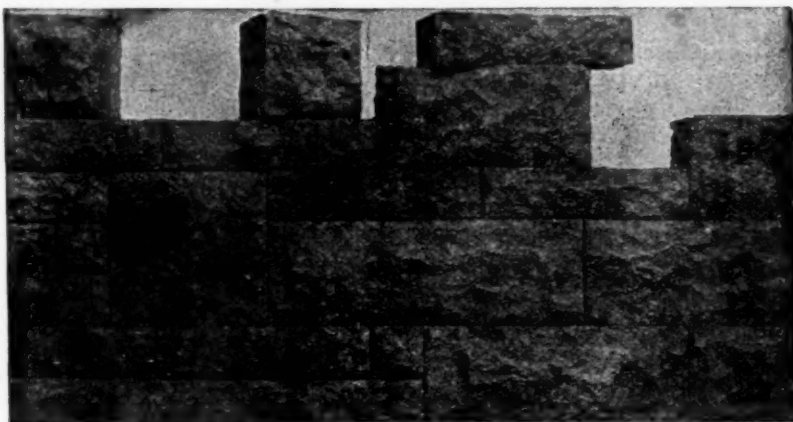
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[See Alphabetical Index on page XVI for Pagination.]

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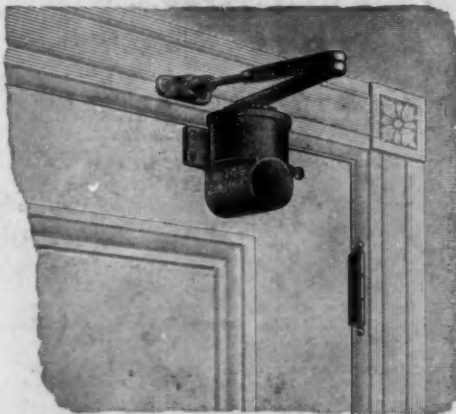
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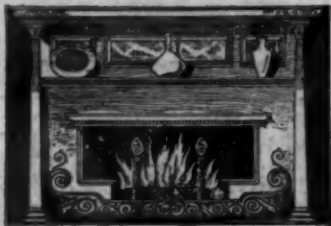
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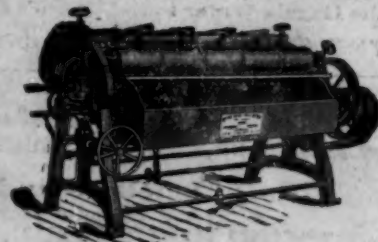
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ADVERTISERS' TRADE SUPPLEMENT.

No. 135.

SATURDAY, SEPTEMBER 2, 1893

VOLUME XL.
No. 323.

ANTINONNIN.

(ORTHODINITROCRESOLKALIUM.)

ESPECIAL attention is invited to the new product, Antinonnin, manufactured by the Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany.

Professors C. O. Harz and W. von Miller have published in the *München Allgemeine Zeitung*, No. 98, 1892, a highly interesting essay and report of their long-continued experiments on the extermination of that species of caterpillars (*Liparismomacha*) so destructive to forests and shade trees. They extended their experimentation to all chemicals known and commonly used as antiparasitics. All proved of no complete or permanent effect, except Orthodinitrocresolalkium (Antinonnin). This compound was first used in an aqueous solution of the strength of 1:400, but it was found that the intensity of the destructive action of the solution was very much increased by a slight addition of soap-solution. In this combination a solution containing but 1 part of Antinonnin in 1500 to 2000 parts of soap-water proved destructive to all common injurious parasites without any deleterious reaction on the plants. The result of these experiments therefore has established the fact that this new chemical product of the well-known "Farbenfabriken, vormals Bayer & Co. in Elberfeld" furnishes a safe and unfailing means for the protection of forest, shade and garden trees against the destructive action of plant-parasites of every kind, and may be used also as a means of impregnating or preserving wood or lumber against mildew, fungi, dry-rot, etc.

Further experiments have evinced the fact that a soap-solution of Antinonnin is not only one of the most powerful antiparasitics, but also an equally sure insecticide, destroying all kinds of insects on beasts and man, as for instance, lice, sarcoptes scabiei, and that it is therefore a remedy for all skin diseases caused by animal parasites. It furthermore has proved when applied as an ointment or wash, to be a reliable protection for horses, cows and all domestic animals, against flies, lice, mosquitoes and other annoying or injurious insect bites.

One of the most important results demonstrated by the comprehensive and thorough series of experimentation of Professors Harz and von Miller is that Antinonnin is the most potent agent for the destruction and prevention of the growth and propagation of fungi, mildew, dry-rot, etc., and all destructive and deleterious fungi in buildings and human habitations. It must be considered a most impor-

tant and valuable addition to our hygienic protectives.

Fermentation and putrefaction, as is well known, are caused by lower kinds of fungi in the presence of moisture. Timber and all kinds of wood or plant-material employed in buildings are readily affected in damp ground and air by these lower plant-parasites. By the decomposition of the retained albuminous constituents of the wood-fibre, the wood itself undergoes a disintegration, obnoxious gases are evolved and the cellulose suffers in its structure and durability. Still more are such processes of putrefaction and destruction taking place in buildings and rooms subjected to dampness and uncleanness, like close dwellings, water-closets, sinks, urinals, cellars, stables, etc. They are frequently the breeding places and pest-holes for infection to men and domestic animals and the origin of typhus, diphtheria, cholera and other malignant bacteriological diseases. Thorough disinfection and removal of the causes of infection are the only remedies and protection, and perfect cleanliness is the best preventive against dampness, fermentation and slow putrefaction of and in the woodwork, walls, wall-paper, furniture, etc., of rooms and houses. The first step to attain this is the destruction of fungi and all lower plant life which is the cause or the bearer of infection. In this respect Antinonnin surpasses all other antiseptics.

Another evil, destructive to beams and woodwork in buildings, is a species of fungi which in damp and dark places grows on woodwork and penetrates the cellular structure of wood so completely and is so destructive that the wood tissue is destroyed. Against these malignant fungi Antinonnin has also proved a prompt and sure remedy by simply applying to such woodwork a solution of 1 part Antinonnin in 200 parts of water.

Compared with other antiseptics and antiparasitics, like carbolic and phenolic compounds or derivatives, Antinonnin has the advantage not only of being more powerful in its action, but it is not volatile and is completely free from odor; and further, its use is safe and perfectly harmless in houses and living rooms. Its chemical formula is $C_6H_2(NO_2)_2C_2H_3OK$. It was first used as a saffron yellow dye for coloring butter, candies, cakes, etc. Although not free of poisonous effect, its application for this purpose as well as an antiseptic, takes place in such a degree of dilution that no harm can result even in its use in food.

For practical reasons Antinonnin is intimately mixed with a very small addition of

glycerine and soft soap so as to form a yellow paste.

For the destruction of mildew, wood-worms, dry-rot and the lower forms of insects, and as a preventative against mildew or dry-rot, a solution of 1 kilo (2 1-5 lbs.) Antinonnin in 300 litres (630 pints) water is the most effective concentration. The wood is saturated in the usual manner.

In regard to the application of Antinonnin for the protection of woodwork and walls in buildings, the following brief extracts may be noted. They are from the German Builder's Gazette: *Süddeutsche Bauzeitung*, No. 60, 1892.

Beams, boards and all kinds of wood used for buildings, for bridges, railroad beams, etc., are protected from rapid decay when impregnated with a solution of Antinonnin either by painting the well-seasoned or dry wood with the solution, or better, by immersing it in the solution for a few days.

For the disinfection of rooms, a one per cent or stronger solution of Antinonnin may be added to the paint (either water or oil paint) if the rooms are to be painted, or to the paste if paper-hangings are to be used.

Any woodwork to be placed under ground or in damp surroundings, like railroad-poles, telegraph-poles, beams for foundations, etc., may be protected for any length of time by previously impregnating them with a strong solution of Antinonnin.

On damp and mouldy walls in cellars, stables, factories, breweries and other structures and manufacturing buildings where cleanliness and immunity are requisite factors, the application of Antinonnin solution from time to time will be a sure protection against parasitical pollution and consequent moulding and putrefaction.

It may, therefore, safely be claimed that of all the known antiseptic and antizymotic products of modern synthetic chemistry, Antinonnin not only admits of the most general application, but is also the safest, the most effective and durable.

In regard to the use of Antinonnin in breweries, the following will be noted with interest:

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(Signed) M. SCHRAMM,
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AKRON, March 4, 1884.

Arthur Latham (the Whitman & Barnes Man'g Co.).—As a heater it is all that you claim for it, and its ventilating qualities are perfect.

ALLIANCE, February 12, 1886.

J. T. Weybrecht (Manufacturer of doors, sashes and blinds).—Two of the grates are located on the north side of the house, in a large double room, with bay-window facing north and west. We have had no difficulty whatever in heating these rooms, together with the chambers above, and this when the thermometer registered 10° below zero. We have no other mode of ventilation than by your grate, which we consider its most valuable feature. We burn soft coal and occasionally a large stick of green beech.

BRIDGEPORT, February 14, 1885.

Thos. T. Frasier.—I use soft coal, and the grate keeps my room comfortable when the thermometer has been 5° below zero out-doors. In all ordinary winter weather it also heats pleasantly the room above. As to ventilation, I would not exchange our room for any in the neighborhood.

CHILLICOTHE, March 19, 1889.

W. E. Ford (Wm. Taylor & Co.).—The room in which the grate is set is heated luxuriously; one room above is heated comfortably. The grate and fender are rich and handsome—all is entirely satisfactory.

CINCINNATI, November 13, 1886.

E. Cort Williams, Esq. (Attorney-at-law).—The grate does its work with eminent satisfaction. The workmen had no trouble in setting the grate, and we find the surplus heat sufficient to thoroughly warm a large bath-room, with a northwest exposure, above, while below it warms a large dining-room, and adds to its beauty by its handsome open fire-place, with

no suggestion of a stove in its appearance, which made the Baltimore heater such an abomination.

CLEVELAND, April 7, 1883.

Joseph Perkins (Chairman Ohio State Board of Charities).—The ventilating grates which we purchased of you for the hospital and nursery of the Retreat and the children's room of the day-nursery have been used sufficiently to convince us that they are powerful heaters and admirable ventilators. I am satisfied they are the best grate, where heat and change of air are desired, that I ever saw used.

EAST LIVERPOOL, March 19, 1888.

H. S. Goodwin (Goodwin Brothers, Manufacturers of Pearl White and C. C. Ware).—We use the Oliver pattern of the Jackson Ventilating Grate, heating four rooms with two grates. The space heated aggregates 14,000 feet; the fuel used is natural gas, and no trouble is experienced even in the coldest weather; we know of no grate which equals this. We could not be persuaded to re-adopt the ordinary mode of heating, for the fresh warm air constantly flowing into our chambers brings health to our household, and is thus invaluable.

EATON, February 11, 1887.

A. C. Risinger (Attorney-at-law).—We heat with one grate, a fair-sized parlor, a small library, and a bedroom down-stairs (the bedroom being heated to a nice degree for dressing and sleeping), and this with an ordinary fire and in cold weather. It is also arranged to heat either of two chambers up-stairs, and this it does comfortably for sleeping purposes. As a ventilator it supplies our rooms with fresh, pure air, that there is no need to bother with windows for ventilation.

EATON, February 6, 1888.

Mrs. E. A. Mehaney.—With the grate I heat my parlor, 15' x 20', and a chamber over it, 15' x 17'. The door is kept open from the parlor to an adjoining sitting-room, 15' x 15', and adjoining the latter is my dining-room, 18 feet square. The parlor and the dining-room have good-sized bay-windows. In the dining-room I have an anthracite coal stove. These two fires keep the rooms comfortable in the coldest weather. The rooms are 11 feet high.

EATON, February 16, 1888.

Chas. R. Hunter (Builder and Contractor).—The grate I purchased of you is heating four rooms, three on the first floor, which are connected by folding doors, and a room up-stairs. A register also opens into a hall above which it supplies with a comfortable heat. It is superior to any grate I have ever seen.

MANSFIELD, March 1, 1884.

John Hursh.—The room in which it is set is 15' x 17'; height of story, 9½ feet. The room has three windows, three single and two folding doors. We had no trouble in heating this room during the coldest weather with about the same amount of fuel as a stove requires. The ventilation is perfect.

MANSFIELD, March 5, 1883.

John M. Jolly (of H. M. Weaver & Co.).—I find it an excellent grate for heating and ventilation. Heats a sitting-room 15' x 17', and in all ordinary weather a bed-chamber over it 14' x 16'.

MARIETTA, February 4, 1888.

Rev. J. R. Barnes.—It heats two rooms on the same floor, one 15' x 15', the other 12' x 15'. We burn one and one-half hods of soft coal—in zero, two hods. It gives pure air day and night.

MASSILLON, February 6, 1885.

James Bayliss.—We warm only one room, 16' x 17', but it does it better than anything we have ever used before, and we can easily make it too warm in the coldest weather, and could if the room was much larger. We have had very cold weather (24° below zero). The ventilation is complete.

NORWALK, March 27, 1885.

S. W. Owen.—We have one in our family room, 18' x 20', and exposed on three sides, which it thoroughly heats and ventilates, and comfortably warms also a bath-room 8' x 12'. The second grate is used in the parlor, and it also is a perfect success.

OBERLIN, April 12, 1883.

Prof. Wm. G. Frost (Oberlin College).—We have burned hard coal and warmed a good-sized sitting-room constantly, heating a bedroom back of the grate whenever we wished, and warming a parlor separated from the sitting-room by folding-doors frequently. It certainly saves a great deal of fuel. What we enjoy the most is the ventilation by means of pure warm air.

OREVILLE, 1891.

Isaac Pontius (Coal).—The grate heats parlor 12' x 15', and a bedroom 12' x 12', and when needed, also a room on second floor. The ventilation is perfect.

QUAKER CITY.

W. V. Webster.—Your grate heats two rooms, one up-stairs, one down, each 14' x 15'. We use soft coal, and the grate uses much less fuel, and does much better work than the heating apparatus we had before.

SALEM, February 20, 1884.

G. N. Caruthers (Supt. Public Schools).—I used two the present winter. My house is new and rooms of good size and height. We have lived very comfortably through this terrible weather without any other heater of any kind, except the kitchen range. The air has been pure, fresh, abundant and warm. The honest workmanship would commend them to any one who saw the grates.

SALEM, April 10, 1884.

C. Walter Brian (Brian Bros.).—We successfully heat a living-room, 18' x 15' and a bath-room back of it with the ventilating grate.

SPRINGFIELD, March 24, 1886.

J. B. Korn.—The ventilating grate that I bought of you last year gave entire satisfaction the past winter in heating and ventilating two rooms—sitting-room, 15' x 18' x 10' on first floor, and bedroom on second floor, 15' x 15' x 9'. It made them comfortable when the temperature outside was 10° to 12° below zero.

SPRINGFIELD.

Hon. J. Warren Keifer.—The grate heats a room 21' x 15', also a room the same size over it. We use wood and soft coal, and shall soon use natural gas.

WARREN, March 9, 1885.

Homer E. Stewart.—Your ventilating grate in my library, 15' x 18', with bay-window is ample for the purpose, using our native "Block" or "Briar Hill" coal. Had previously an ordinary grate of same size, but could not keep warm, no matter how much coal was used.

WASHINGTON C. H., March 11, 1889.

C. R. Parrett.—We heat with the grate three rooms—on the first floor 13' x 18', and two on the second floor 13' x 15' and 13' x 13'.

YOUNGSTOWN, November 4, 1889.

Frank G. Schafer & Co.—One grate is heating four rooms. It is the most perfect we have ever seen.

ZANESVILLE, February 14, 1893.

Howard Aston.—The grate heats a sitting-room in weather 15° below zero, and also one room up-stairs. We heat three rooms up-stairs in milder weather. The ventilation is splendid.

The grates are also used in Cadiz, Conneant, Carrollton, Clarksville, Columbus, Dayton, Glendale, Greenfield, Hamilton, Hicksville, Hiram, Holmesville, Kenton, Loveland, Leipsic, Marysville, Martin's Ferry, Middle Bass Island, Mount Vernon, Painesville, Put-in-Bay, St. Mary's, St. Clairsville, Seven Mile, Short Creek, Tiffin, Van Wert, Waynesville, Wellington, Wooster, Xenia.

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I. P. FRINK finds that collections are pretty slow, but he can report the usual run of orders, having received this month a large number of export orders, reaching to India, China, Africa, Central and South America.

A WORD ON WHITE LEAD.

MANY an architect imagines that white lead is white lead, and that in order to secure the best job for his client, all that is necessary is to specify a well-known brand of perfectly pure white lead for painting. Undoubtedly this will call for an honest job, and in these days of sophistication and adulteration that in itself is a point to be gained, but there is a choice in white lead as there is in almost every manufactured product. One might as well suppose that every dairyman made butter of equal quality and of like excellence of taste, as to imagine that every corrodor of white lead produced an article identically the same in every respect. Besides mere purity, a white lead to be exactly suited to the painter's needs requires extreme care in manufacture. It is essential that the metal lead be thoroughly corroded; this gives not only whiteness, but body and opacity as well, thus permitting the paint to cover well when spread in a thin film. The importance of this is appreciated when it is known that the durability of paint is in proportion to the thinness with which the coats are brushed out. Perfect washing, to remove all traces of acetic acid or sugar-of-lead, is an essential part of the preparation of a good quality of product, and this is a portion of the operation which is unfortunately not always done as thoroughly as it might be. Then fineness of grinding is also necessary in order to make the paint lay smooth and uniform, and in order to give spreading capacity. It stands to reason that the paint which will cover most surface, and at the same time cover it well, is the most economical to use in the beginning, and because of its spreading capacity will wear longer since the coats are necessarily thinner. It is by careful attention to all the processes in its manufacture which give to white lead all these points of excellence, that the Harrison strictly pure white lead has reached the high position which it bears, among the painters of the United States. Its manufacturers do not fear any test which may be given this lead, and they will gladly send any architect who wishes to examine it, and compare it with samples of other brands, a sample tube, guaranteeing that any lead which may be purchased in the open market, bearing the Harrison Brand, will be equal in every respect to the sample.

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Chester, Pa.—New Prospect Hill Baptist Church. *Kerlin St.*, church for the Holy Trinity Lutheran Church; builders, B. D. Ayers & Son.

HOUSES.

Brooklyn, N. Y.—*Wyona St.*, w s, 160' n Blake Ave., 3 two-st'y brick dwells., tin roofs; cost, \$3,200 each; owners, The German-American Improvement Co., Van Sieten Ave. and Eastern Parkway; architect, Wm. Danmar, Van Sieten and Atlantic Aves.

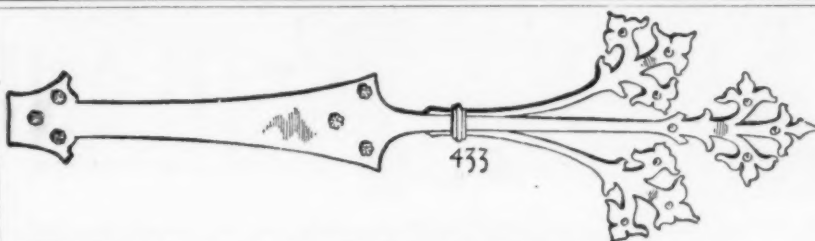
Orange Valley, N. J.—Two-st'y shingle and stone rectory for All Souls' Episcopal Church; architect, Frank W. Beall, 318 Broadway, New York.

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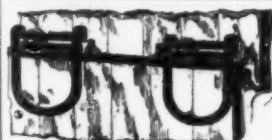
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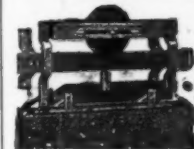


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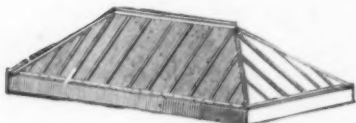
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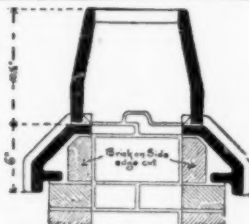
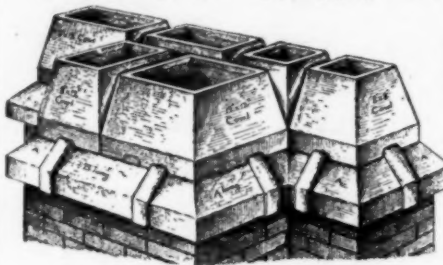
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VOL. XLI.

* REGULAR EDITION *

NO. 924.

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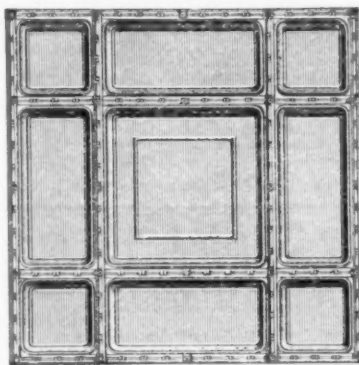
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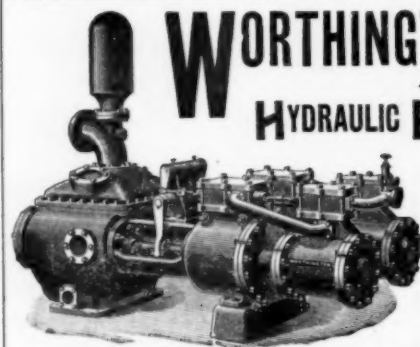
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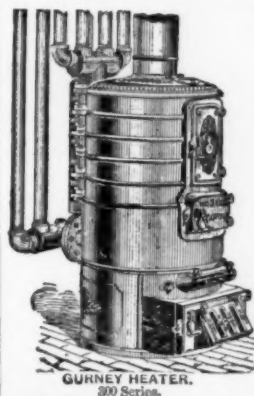
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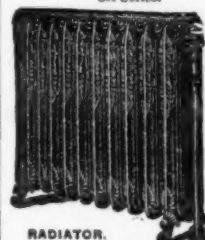
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Planed.....	50	75	50	37
Sandstone:				
Longmeadow.....	80	80	90	96
Kibbe.....	90	90	110	1 05
Brown (Connecticut).....	1 00	1 25	1 45	1 05
Amherst Ohio.....	90	90	1 00	85
Berea.....	75	85	90	55
Berlin.....	75	80	90	85
Belleville.....	80	1 25	1 35	1 00
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Glens Falls, black.....	1 25	2 00	3 50	4 00
Italian, blue-veined.....	1 25	2 00	3 50	2 50
" Sienna.....	1 25	2 00	3 50	2 50
Tennessee, red.....	1 25	2 00	3 50	4 00
" Knoxville.....	1 25	2 00	3 50	3 00
Pennsylvania, blue.....	1 25	2 00	3 50	2 00
Vermont, white.....	1 25	2 00	3 50	2 25
State: Roofing (per square):				
" green.....	5 00	4 75	5 50	2 30
" unfading.....	5 00	5 50	6 50	3 25
" purple.....	5 00	5 50	6 50	3 50
" red.....	5 00	5 50	6 50	3 50
" black, Lehigh.....	4 25	4 75	5 50	3 50
" Chapmans.....	5 50	5 50	6 50	3 50
" Unfading black, Monson, Me.....	5 50	5 50	6 50	3 50
Tiles, Am. (per sq. ft.):				
N. Peach Bottom, warranted unfading.....	5 50	5 50	6 50	3 50
PAINTS. (In Oil per lb.):				
White lead, Am.....	7	6	7	7
" zinc.....	5	6	7	7
Red lead, Am.....	6	6	7	7
" Venetian.....	6	6	7	7
" Vermillion.....	6	6	7	7
" Indian, Eng.....	6	6	7	7
Yellow Ochre.....	6	6	7	7
" Chrome.....	6	6	7	7
Green (chrome).....	6	6	7	7
Green, Paris.....	6	6	7	7
Black, lamp.....	6	6	7	7
Blue, ultramarine.....	6	6	7	7
Oil, linseed, (raw).....	6	6	7	7
" boiled.....	6	6	7	7
Turpentine.....	6	6	7	7
Varnish, coach.....	6	6	7	7
Shellac.....	6	6	7	7
Putty.....	6	6	7	7
Whiting.....	6	6	7	7
Paris white, (Eng.).....	6	6	7	7
Litharge, Am.....	6	6	7	7
Sienna (burnt).....	6	6	7	7
Umber.....	6	6	7	7
HARDWARE:				
Nails: (Per Cask.) Spikes, (wrought).....	2 85	2 20	2 35	2 25
10d. common.....	2 60	2 20	2 35	2 25
Shingle.....	3 35	2 65	3 35	2 60
Lath.....	4 85	3 20	3 35	2 60
(Finishing nails according to size).....	4 85	3 20	3 35	2 60
(For casing nails add 75 c. per keg).....	4 85	3 20	3 35	2 60
Butts: 4" x 4".....	1 00	1 20	1 20	1 00
Plain.....	1 00	1 20	1 20	1 00
Japanned.....	1 50	1 75	1 75	1 50
Acorn, Japanned.....	1 50	1 75	1 75	1 50
Ball Tip, Boston Finish.....	1 50	1 75	1 75	1 50
Bronze metal.....	1 90	1 65	1 65	1 90
Brass (for cupboards).....	1 90	1 65	1 65	1 90
Ebony.....	1 90	1 65	1 65	1 90
Apple wood.....	1 90	1 65	1 65	1 90
Knobs: (per set):				
Mineral, best.....	8	8	8	8
Lava.....	50	75	75	50
Hemacite.....	30	33	33	30
Porcelain.....	30	33	33	30
Glass, solid.....	50	50	50	50
Glass, silvered.....	50	50	50	50
Bronze metal.....	2 00	3 00	3 00	2 00
Brass.....	2 50	3 00	3 00	2 50
Solder:				
Sheet Lead.....	7	7	7	7
Lead Pipe.....	6	6	6	6
Iron:				
I-Beams, up to and including 30 ft.....	3 3-10	3 4-10	3 4-10	3 3-10
do. over 30 ft., 1 c. adv. for every 5 ft.....	3 3-10	3 4-10	3 4-10	3 3-10
Channel Beams.....	3 3-10	3 4-10	3 4-10	3 3-10



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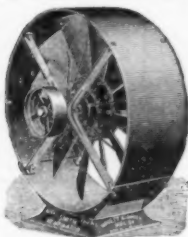
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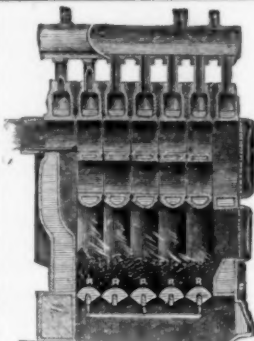
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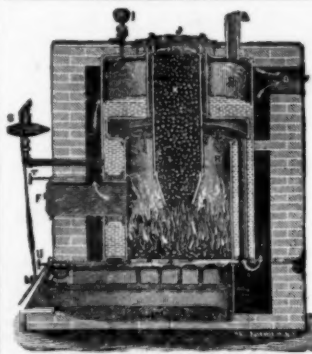
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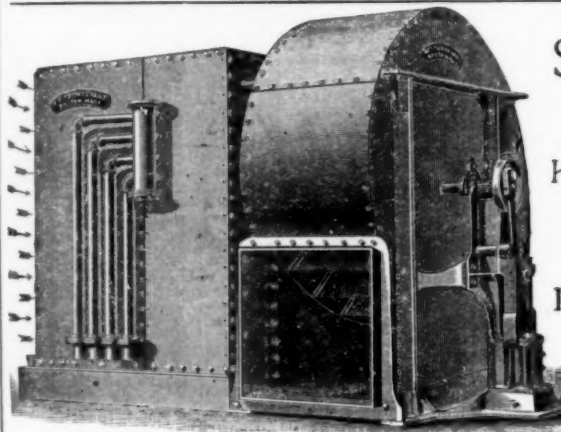
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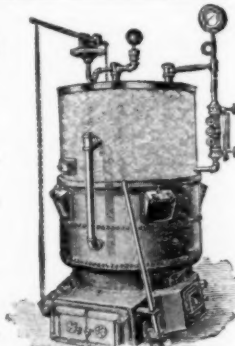
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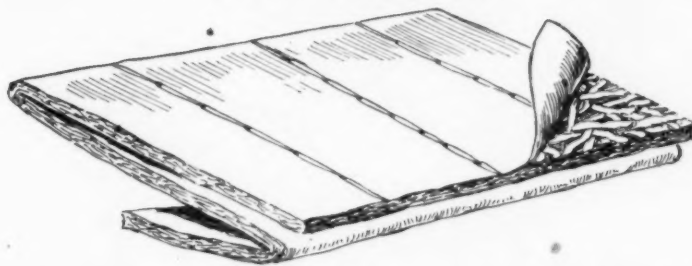
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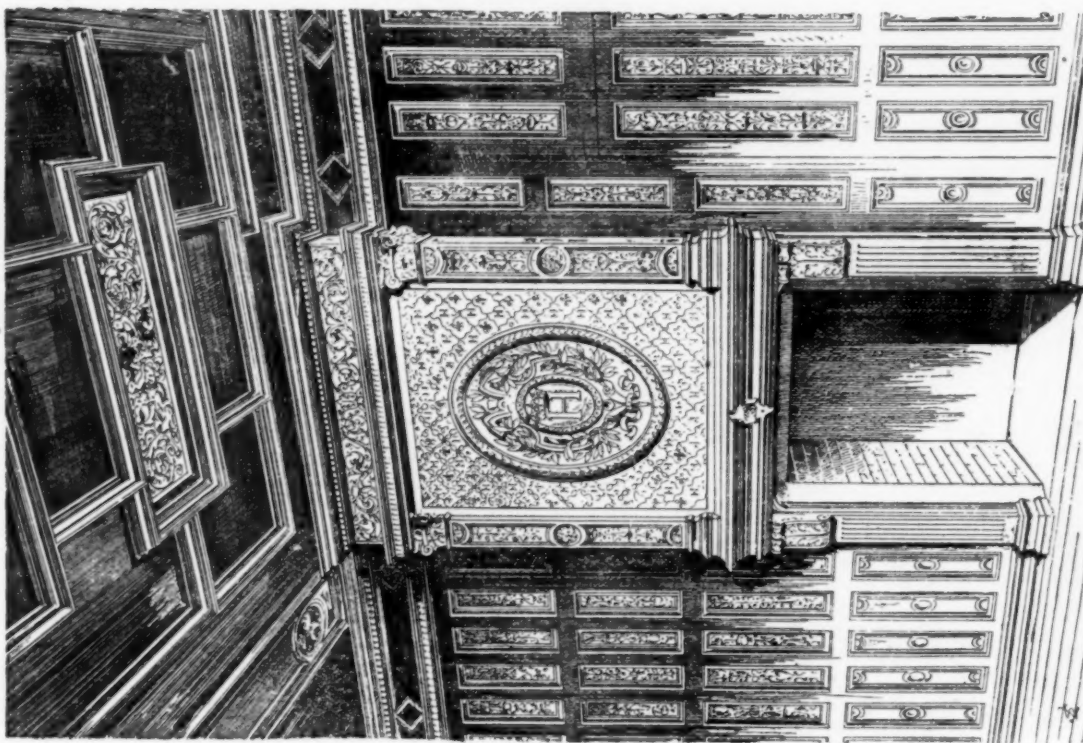
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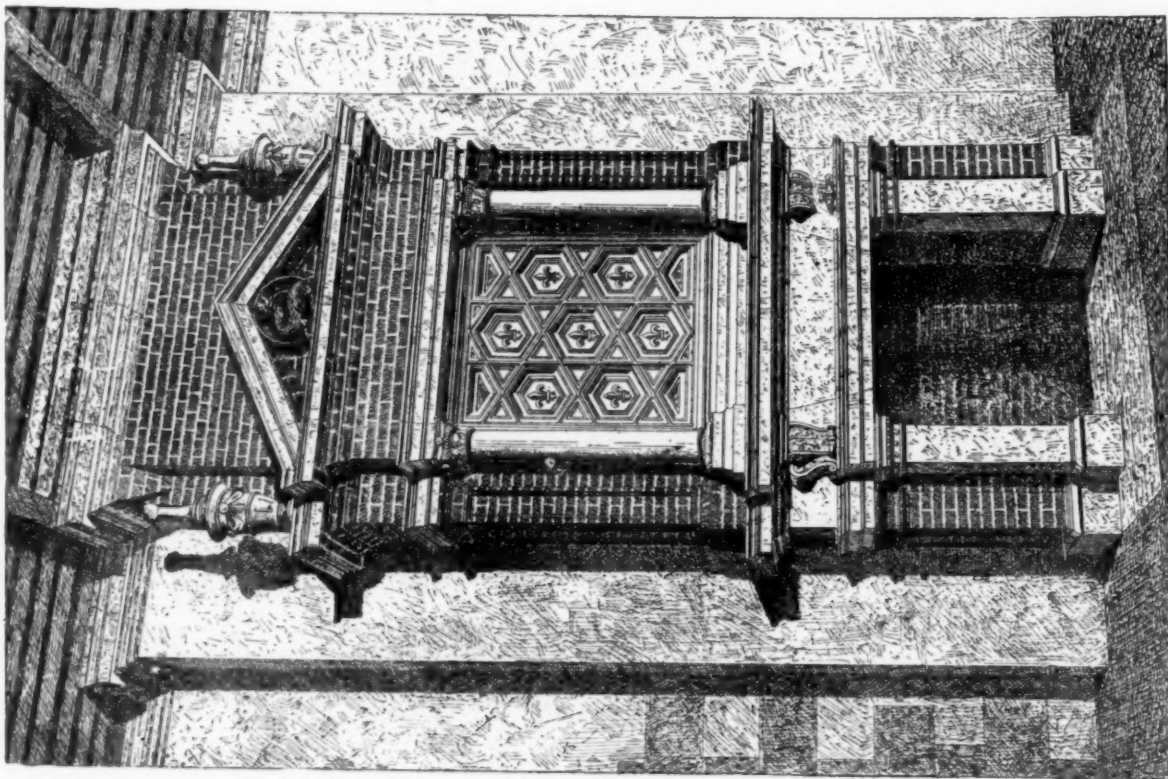
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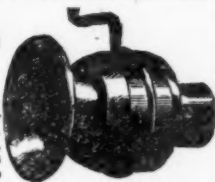
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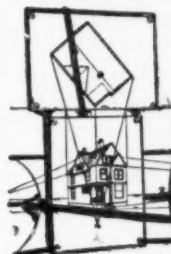
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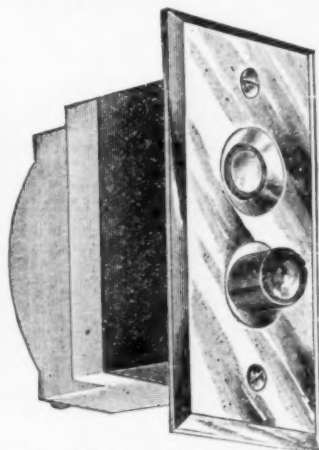
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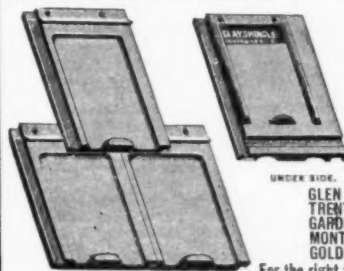
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J. E. VOSS has opened an office at Room 805, 19 Quincy Street, Chicago, and would be pleased to receive catalogues and samples. 925

MISS SOPHIA G. HAYDEN has opened an office at 22 Congress St., Boston, and will be pleased to receive catalogues and samples. 924

BUILDING PATENTS.

[Printed specifications of any patents here mentioned together with full detail illustrations, may be obtained of the Commissioner of Patents, at Washington, for twenty-five cents.]

502,452. WATER-CLOSET.—Frank A. Wells, New York, N. Y.
502,472. ELECTRICAL ANNUNCIATOR.—Theodore Spencer, Cambridge, Mass.
502,490. SNOW-GUARD.—John H. Hiller, Hyde Park, Mass.

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502,494. ELECTRICAL HEATER.—Charles E. Jones, Elgin, Ill.
502,551. WOODEN LATHING.—Calvin F. Darnell, Indianapolis, Ind.
502,552. METAL ROOFING.—Benoit B. Detombay, Chénée, Belgium.
502,556. SASH-FASTENER.—John E. Dolber, Manchester, N. H.
502,582. DOOR-HANGER.—Theodore C. Prouty, St. Joseph, Mich.
502,611. DISCHARGE-VALVE FOR WATER-CLOSET TANKS.—David D. Buick, Detroit, Mich.
502,644. WEATHER-STRIP.—William T. Vallandigham, Rose Hill, Iowa.
502,705. DOOR-HANGER.—George A. Colton, Chicago, Ill.
502,706. HINGE.—Thomas Corcoran and Franklin Holland, New Britain, Conn.
502,728. COMBINED STEAM GENERATOR AND HEATER.—Arnold Kreusler, Staten Island, N. Y.
502,729. STEAM-GENERATOR.—Arnold Kreusler, Staten Island, N. Y.
502,762. WATER-CLOSET SEAT.—Joseph P. Rundle, Milwaukee, Wis.
502,800. EAVES-TROUGH.—John Wock, Canton, Ohio.
502,845. FOUNDATION FOR LIGHT-HOUSES AND OTHER HEAVY STRUCTURES IN DEEP WATER.—George Blanchard, Newburg, N. Y.
502,901. CHIMNEY.—Leonard E. Clawson, San Francisco, Cal.
502,906. PLANE.—Louis Hardt, Yuba City, Cal.
502,936. ELEVATOR-GATE-OPERATING DEVICE.—Edwin F. Shaw and Joseph N. Lorio, Philadelphia, Pa.
502,940. ROOF.—Thomas Weare, Kumeo Junction, New Zealand.
502,955. ELEVATOR-GUARD.—Orion L. Davis, Rochester, N. Y.
502,995. SANITARY VENTILATOR.—Wilson L. Potter, Hartford, Conn.
503,008. FOLDING POCKET-RULE.—Percival W. Shephard, East Liberty, Pa.
503,045. MARKER FOR WINDOW-FRAMES.—William Grennan, Bristol, Conn.
503,046. FIRE-SHUTTER FASTENER.—Alexander Grosch, Albert Allenberg and Charles Buerling, Cincinnati, Ohio.
503,064. SPRING-HINGE.—Francis D. Robinson, Somerville, Mass.

BUILDING INTELLIGENCE.

(Reported for The American Architect and Building News.)

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

ALTERATIONS.

Chicago, Ill.—Cook County, addition to County Hospital; cost, \$15,000.
R. J. Walsh, repairs, fire-damages, 112-116 State St.; cost, \$20,000.
L. Wagner, two-sty addition, 370 Southport Ave.; cost, \$3,000.

Philadelphia, Pa.—Penn St., above Harrison St., alterations; cost, \$4,000; owner, Wm. B. Allen; architect, H. W. Castor, Frankford.

Turner St., above Venango St., three-sty addition to school-house; builder, Mr. O'Neill.
Lehigh Ave. and Front St., three-sty brick and iron addition to the Episcopal Hospital; builders, Thomas Little & Son, 217 Pear St.

St. Louis, Mo.—Two-sty addition to school-house, w s Baird St., bet. Easton and Cote Brillante Aves.; cost, \$6,893; owners, St. Louis Board of Public Schools; contractor, M. W. Murphy.
Rebuild three-sty brick factory, s s Locust St., bet. Eighteenth and Nineteenth Sts.; cost, \$7,000; owner, M. Bergin; contractor, S. D. Marmaduke.

APARTMENT-HOUSES.

Chicago, Ill.—S. R. Fugate, two-sty flats, 7333 Union St.; cost, \$3,000.

H. M. Burdick, two-sty flats, 1644 Sixty-second St.; cost, \$3,000.

R. M. Pendegast, two-sty flats, 1535-1537 Adams St.; cost, \$8,000.

Herman Wagner, two-sty flats, 1024 Twentieth St.; cost, \$5,000.

F. Raselko, two-sty flats, 5406 Calumet Ave.; cost, \$3,000.

Paul Gachoto, two-sty flats, 947 Hoyne Ave.; cost, \$3,600.

Anton Uhler, three-sty flats, 86 Henry St.; cost, \$3,000.

D. A. La Pointe, two-sty flats, 1355 Lexington Ave.; cost, \$4,500.

John Giell, two-sty flats, 1438 West Polk St.; cost, \$4,500.

Thomas Fleming, three-sty flats, 305 South Sacramento Ave.; cost, \$5,900.

Robert Grosser, two-sty flats, 124 Lubeck St.; cost, \$3,000.

J. Bolourn, two-sty flats, 1206 Albany Ave.; cost, \$3,000.

F. J. O'Neill, three-sty flats, 1820 Fillmore St.; cost, \$3,800.

Henry Green, three-sty flats, 3348 Lowe Ave.; cost, \$3,000.

G. Koglaner, two-sty flats, 899 North Robey St.; cost, \$3,500.

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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.

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Brooks, Shoobridge & Co.
Bureau Bros.
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Esterbrook Pen Co.
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H. M. Hansen.
Lane Bros.
H. S. Northrop.
W. R. Pitt.
The Pullman Sash Balance Co.
J. J. Read.
J. B. Shannon & Sons.
M. A. Smith.
E. Thiele.

BUILDING INTELLIGENCE.

(Apartment-Houses Continued.)

Fred. Lamp, two-sty flats, 799 North California Ave.; cost, \$4,500.

Dennis Considine, three-sty flats, 1379 Fulton St.; cost, \$6,100.

Mrs. J. Perry, three-sty flats, 1238 North Clark St.; cost, \$15,000.

Samuel S. Parks, two-sty flats, 1543 Fulton St.; cost, \$10,500.

Daniel Coyne, two-sty flats, 579 Albany Ave.; cost, \$5,000.

G. Musley, three-sty flats, 1174 Kedzie Ave.; cost, \$3,000.

James McComb, three-sty flats, 460 North Hoyne Ave.; cost, \$6,000.

Michael Rotta, three-sty flats, 701 Dickson St.; cost, \$3,000.

I. D. Koch, three-sty flats, 900 Walnut St.; cost, \$9,500.

John Larson, two-sty flats, 699 Seymour St.; cost, \$3,500.

Reinhold Ploog, three-sty flats, 277 Johnson St.; cost, \$3,000.

Unetz & Krich, 2 two-sty flats, 1028-1030 Seminary Ave.; cost, \$4,000.

C. Duerman, two-sty flats, 268 Seminary Ave.; cost, \$5,500.

La C. Coo, two-sty flats, 7026 Wright St.; cost, \$3,500.

Mary O'Connell, two-sty flats, 3635 Vernon Ave.; cost, \$7,000.

Thomas Cooper, two-sty flats, 25 Genesee Ave.; cost, \$4,000.

John Krumm, two-sty flats, 135 Fullerton Ave.; cost, \$10,000.

Ernest Ott, two-sty flats, 1142 North Kedzie Ave.; cost, \$3,000.

E. M. Hoffman, four-sty flats, 43 Sigel St.; cost, \$5,000.

Louis Kilbert, two-sty flats, 1036 Leavitt St.; cost, \$4,000.

Frank Oshinski, four-sty flats, 254 Wabansia Ave.; cost, \$7,500.

Hans Kroebge, three-sty flats, 748 Jane St.; cost, \$4,500.

Thomas Honson, two-sty flats and barn, 952 North Kedzie Ave.; cost, \$3,000.

Annie Mende, three-sty flats, 112 Fremont St.; cost, \$4,500.

William Wartman, 2 two-sty flats, 391-393 Campbell Ave.; cost, \$6,500.

S. Sigr, two-sty flats, 6328 Justine St.; cost, \$3,000.

A. Kragnee, 2 two-sty flats, 1143-1145 Bloomingdale Ave.; cost, \$3,800.

H. B. Peterson, three-sty flats, 174 Richmond St.; cost, \$6,000.

Anna McDonald, three-sty flats, 3622 Ashland Ave.; cost, \$5,000.

Helen Culver, four-sty flats, 73 Warren Ave.; cost, \$13,000.

Martin Lendelius, three-sty flats, 4314 Forestville Ave.; cost, \$5,500.

[Continued on page xiii.]

VARNISH IN ARCHITECTURE.

TARDY RECOGNITION.

Just why it is varnish should have been so lightly esteemed in the past it is hard to say in view of the fact that in its particular office varnish is as indispensable to the architect as brick, stone or lumber. "Better late than never," however, and it is gratifying to note that there is a general awakening to the proper status of varnish as a building material. The real birth of any serious interest in varnish in connection with architecture occurred some twenty-five years ago, when we introduced Hard Oil Finish, and although numerous articles represented to be for the same purpose have appeared from time to time, Hard Oil Finish remains as it always has been, the leading interior finish. Like other popular articles Hard Oil Finish pays the penalty of greatness by being counterfeited and so much so, that as a protection to the client it should always appear in the specifications "BERRY BROTHERS' HARD OIL FINISH."

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(Apartment-Houses Continued.)

W. J. Drinkwater, two-st'y flats, 15 Foy St.; cost, \$3,300.
John Bueyol, two-st'y flats, 379 Sawyer Ave.; cost, \$3,500.
E. D. Kenny, two-st'y flats, 5061 Clifton Park Ave.; cost, \$5,000.
William Haase, two-st'y flats, 5156 Bishop St.; cost, \$3,500.
Christ. Peterson, two-st'y flats, 1439 Harvard St.; cost, \$3,000.
Griffin & Dwight, two-st'y flats, 722 West Erie St.; cost, \$4,000.
J. Klimowski, 2 two-st'y flats, 123-127 Iowa St.; cost, \$3,000.
L. C. Wagner, two-st'y flats, 6537 Maryland Ave.; cost, \$5,000.
J. A. Matthews, two-st'y flats, 27 South California Ave.; cost, \$8,500.
A. M. Fogg, three-st'y flats, 374 Forty-fifth St.; cost, \$8,000.
M. A. H. Vinal, three-st'y flats, 5107-5109 Kimbark Ave.; cost, \$10,000.
James Murray, three-st'y flats, 783 Harmon Ave.; cost, \$5,500.
Jane Carden, two-st'y flats, 3229 Union Ave.; cost, \$3,500.

New York, N. Y.—Madison St., No. 103, five-st'y brick flat, tin roof; cost, \$26,000; owner, J. L. Butterweiser, 237 East Sixtieth St.; architect, G. F. Pelham, 1481 Broadway.

West Third St., No. 103, five-st'y brick flat, tin roof; cost, \$35,000; owner, J. L. Butterweiser, 237 East Sixtieth St.; architect, G. F. Pelham, 1481 Broadway.

Forty-second St., s s, 100 e Eleventh Ave., 5 five-st'y brick flats; cost, \$95,000; owner, Henry Murray, 21 East Seventy-third St.; architect, G. F. Pelham, 1481 Broadway.

Mott St., No. 219, five-st'y brick flat, tin roof; cost, \$21,000; owner, Gardner Estate, 37 St. Mark Pl.; architects, Kurtzer & Rohl, cor. Seventh St. and Third Ave.

Canal St., s e cor. Orchard St., six-st'y brick flat, tin roof; cost, \$35,000; owner, Bernard Golewski, 170 Henry St.; architects, Schneider & Herter, 48 Bible House.

Lexington Ave., n e cor., five-st'y brick flat, tin roof; cost, \$46,000; owner, Michael J. Mahoney, 143 West One Hundred and Twenty-eighth St.; architect, J. H. Valentino, One Hundred and Twenty-first St. and St. Nicholas Ave.

Madison St., No. 146, five-st'y brick flat, tin roof; cost, \$25,000; owner, J. L. Butterweiser, 237 East Sixtieth St.; architect, G. F. Pelham, 1481 Broadway.

St. Louis, Mo.—Three two-and-one-half-st'y flats, w s Dollmond St., bet. Lafayette and Geyer Aves., cost, \$7,500; owner, Mrs. Anna Schroeder; contractor, Chas. Henke.

CHURCHES.

Benwood, W. Va.—Methodist church, to cost \$10,000, will be built.

Brooklyn, N. Y.—Monroe St., s s, 300' w Sumner Ave., brick church, tin roof; cost, \$5,000; owner, Reformed Presbyterian Church; architects, J. D. Reynolds & Son, 363 Fulton St.

Chester, Pa.—Brick and stone church, slate roof; architect, Isaac Pursell, 119 South Fourth St., Philadelphia.

Chicago, Ill.—Second Holland Reformed Church, church, Clark and One Hundred and Sixtieth St.; cost, \$5,000.

Kennett Square, Pa.—New Second Baptist church, Medford, Pa.—Frame Baptist church, slate roof; pastor, Rev. Kelsey Walling.

BUILDING INTELLIGENCE.

(Churches Continued.)

Moore's, Pa.—Stone church; owner, Prospect Hill Church.

Oxford, Pa.—New United Presbyterian Church.

Pittsburgh, Pa.—Kincaid St., church; owner, Rev. Francis Lea Tobin, of St. Mary's Church, Lawrenceville.

Quakertown, Pa.—Brick and granite church for the First Reformed Church.

Red Bank, N. J.—New St. James Roman Catholic Church; builders, Jeffrey & Co.

Royer's Ford, Pa.—Walnut St., bet. Fourth and Fifth Sts., Evangelical Mission Church.

FACTORIES.

Avenmore, Pa.—Factory; owners, Keystone Window-glass Co.

Brooklyn, N. Y.—Bedford Ave., n e cor. North Twelfth St., three and five st'y brick rock-candy factory, gravel roof; cost, \$30,000; owners, Standard Rock-candy Co., 382 Cherry St., New York; architect, Wm. H. Beers, Tribune Building, New York.
Thatford Ave., e s, 75' n Blake Ave., three-st'y brick factory, tin roof; cost, \$7,000; owner, E. Goodman, Thatford Ave., near Blake Ave.; builders, Axelrod & Levins, Christopher St., near Blake Ave.

Monongahela City, Pa.—Brick factory for a newly-organized company.

Oak Lane, Pa.—Factory for the Ellwood Iron Tube Co.; builder, Wm. H. Gruhier; architect, Mr. Fielding, 110 South Fourth St., Philadelphia.

HOUSES.

Aldin, N. J.—Two-and-one-half-st'y frame dwell.; owner, S. A. Condict; architect, Ed. B. Chester Smith, 45 Liberty St., New York.

Allegheny, Pa.—Buena Vista St., dwell.; owner Chester T. Haag.
Willis St., dwell.; owner, Jas. McKaigh.

Ambler, Pa.—Stone dwell., colonial style; owner, Mrs. H. C. Hart; architect, T. Melon Rogers, 1122 Walnut St., Philadelphia.

Baltimore, Md.—W. H. Weaver, three-st'y brick building, Columbia Ave., bet. Paca and Green Sts.
A. W. Brady, 2 three-st'y brick buildings, Jenkins Ave., bet. Preston St. and Camel Alley.

J. K. Hubbard, 3 three-st'y brick buildings, e s Madison Ave., bet. North Ave. and Whiteclock Lane.
Wm. G. White, 10 three-st'y brick buildings, e s Clifton Pl., bet. Biddle and Chase Sts.

Boston, Mass.—Mt. Pleasant Ave., near Dudley St., Ward 20, 2 three-st'y frame dwells., flat roofs, 24' x 61'; owners, W. O. Frederick and A. A. Rubler; builder, J. McVane.
Ferrin St., No. 88, near Bunker Hill St., Ward 3, frame dwell., 19'6" x 30'; owner and builder, Stephen Tobey.

Cottage Terrace, near Cottage St., Ward 20, 10 three-st'y frame dwells., flat roofs, 22' x 38' and 22' x 50'; owner and builder, A. D. Gould.
Coleman St., near Quincy St., Ward 24, frame dwell., 30' x 50'; owner, Lewis Coleman; builder, George E. Lintaman.

Brent St., No. 47, Ward 24, frame dwell., 41' x 44'; owner and builder, Wm. Peard.
Brent St., No. 43, Ward 24, frame dwell., 41' x 44'; owner and builder, Wm. Peard.

West Third St., bet. D and E Sts., Ward 13, three-st'y frame dwell., flat roof, 23' x 48'; owner, Richard Geehan; builder, Thomas A. Keyes.

Bridgeport, Pa.—Fourth St., dwell.; owner, John Kutz.

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CHICAGO.



BUILDING INTELLIGENCE.

(Houses Continued.)

Brooklyn, N. Y. — Belmont Ave., s s, 25' w Christopher St., three-st'y frame dwell., tin roof; cost, \$6,000; owner, Dora Wolff, Christopher St. and Sutter Ave.; architect, L. Danacher, 31 Watkins St.

Blake Ave., n s, 50' w Sackman Ave., 2 three-st'y frame dwell., tin roof; cost, \$4,000 each; owner and builder, H. Lippman, Thatford Ave., near Dumont Ave.; architect, L. Danacher, 31 Watkins St.

Saratoga Ave., e s, 107' n St. Mark's Ave., two and one-half-st'y frame dwell., shingle roof; cost, \$3,000; owner, Geo. Ortee, 155 Fulton St.; architect H. Galloway, Ten Eyck and 784 Broad St., Newark, N. J.

Willoughby Ave., n s, 65' e Throop Ave., two-st'y brick dwell., slate and tin roof; cost, \$10,000; owner, Nathan Levy, 765 Broadway; architect, Th. Engelhardt, 905 Broadway.

Chicago, Ill. — C. H. Beyer, two-st'y dwell., 3281 Arlington St.; cost, \$5,500.

Otto Dichmeyer, two-st'y dwell., 838 Rockwell St.; cost, \$5,000.

M. McLean, two-st'y dwell., Maple and North Aves.; cost, \$3,800.

M. R. Campbell, two-st'y dwell. and barn, 2791 Robey St.; cost, \$3,300.

C. M. Trumpin, two-st'y dwell., One Hundred and Eleventh St. and Michigan Ave.; cost, \$3,000.

John Schmidt, cottage, 453 North Robey St.; cost, \$3,000.

J. T. Baxter, three-st'y dwell., 61 Warren Ave.; cost, \$7,000.

M. F. Wright, two-st'y dwell., 267 Homan Ave.; cost, \$3,500.

Nick Eagen, two-st'y dwell., 1032 Wellington Ave.; cost, \$5,000.

Dr. Frank Johnson, four-st'y dwell. and barn, 2021 Prairie Ave.; cost, \$20,000.

Frank C. Laver, two-st'y dwell., 965 Avers Ave.; cost, \$5,000.

Fred. J. Lange, two-st'y dwell. and barn, 1744 Deming Ct.; cost, \$12,000.

Theodore Rost, cottage, 9907 Jensen Ave.; cost, \$4,000.

C. Ruscher, two-st'y dwell., Laurence Ave.; cost, \$4,000.

M. A. Church, two-st'y dwell., Kenmore Ave., near Ardmore Ave.; cost, \$10,000.

Collingswood, N. J. — Washington Ave., dwell.; owner, Robert C. Newcomb.

Cramer Hill, N. J. — Federal and Twenty-third Sts., dwell.; owner, D. E. Todd.

East Side Park, N. J. — Dwell.; owner, Theodore White; builders, G. W. & A. E. Smith.

Germantown, Pa. — Washington Lane, three-st'y stone dwell.; architect, Mr. Fielding, 110 South Fourth St., Philadelphia; builder, Wm. H. Grubler.

School Lane, two double stone dwells., terracotta tile roofs; owner, Edwin F. Schively; architect, Mr. Fielding, 110 South Fourth St., Philadelphia.

Gulon's Point, Pa. — Shrewsbury River, north bank, two-and-one-half-st'y frame dwell.; owner, Mrs. Maria Blay; architects, MacGregor & Son.

Hackensack, N. J. — Main St., 2 two-and-one-half-st'y frame dwells., colonial style; owner, L. Westervelt; architect, Wesley J. Havell.

Haddonfield, N. J. — Ellis St., dwell.; owner, John Harrison.

Jamaica Plain, Mass. — Frame dwell., 40' x 40'; owner, E. G. Dudley; contract to be let; architects, Loring & Phipps, Boston.

Kennett Square, Pa. — Dwell.; owner, James Mills; builder, George E. Thatcher.

Langhorne, Pa. — Watson Ave., parsonage for the Methodist Church congregation.

North Wales, Pa. — Dwell.; owner, S. E. Bailey, Lancaster; architect, T. Frank Miller.

Oak Lane Station, Pa. — Stone and shingle dwell.; owner, Harry Marot; architect, Frank R. Watson, 518 Walnut St.

BUILDING INTELLIGENCE.

(Houses Continued.)

Pawtucket, R. I. — Pont St., n e cor. Arch Ave., two-and-one-half-st'y frame dwell.; owner, Edward Carey.

Fountain St., No. 228, two-and-one-half-st'y frame dwell.; owner, Marth M. Perry.

Fenner St., cor. Alice St., two-and-one-half-st'y frame dwell.; owner, James Noonan.

Amy St., n s, two-and-one-half-st'y frame dwell.; owners, John Konrad, et al.

Appleton St., s s, two-and-one-half-st'y frame dwell.; owners, William and Catherine Carr.

James St., Fairlawn, two-and-one-half-st'y frame dwell.; owner, Henry Hardy.

Walcott St., cor. Summit St., two-and-one-half-st'y frame dwell.; owner, Abby G. King, et al.; architects, Stone, Carpenter & Willson.

Morris St., cor. Pine St., two-and-one-half-st'y frame dwell.; owner, Daniel O'Neill.

Parrott Ave., two-and-one-half-st'y frame dwell.; owner, Henry Pitman.

Main St., two-and-one-half-st'y frame dwell.; owner, Henry Pitman.

Allen Ave., cor. Green St., two-and-one-half-st'y frame dwell.; owner, Carrie E. Fifield.

Bullock St., two-and-one-half-st'y frame dwell.; owner, Alphonse Pare.

High St., w s, two-and-one-half-st'y frame dwell.; owners, Eugene L. Hooper and wife.

Japonica St., No. 217, two-and-one-half-st'y frame dwell.; owner, Wallen St. Godard.

Philadelphia, Pa. — Locust St., s s, cor. Vandever St., 2 three-st'y brick dwells.; builder, Charles O'Neill, 1216 South Broad St.

Locust St., No. 1319, dwell.; architect, Wilson Eyre, 927 Chestnut St.

Penn and Arrott Sts., three-st'y brick and stone dwell.; architect, Frank R. Watson.

Lancaster Ave., n s, e city line, three-st'y stone dwell.; builders, Wendell & Smith.

North Broad St., No. 1510, four-st'y brownstone, brick and terra-cotta dwell., slate roof; owner and architect, Henry S. Hale.

Catharine St., s s, e Sixty-third St., two-st'y brick dwell.; builder, G. W. Steinmetz, Sixtieth St. and Haverford Ave.

Fairthorn St., e s, n Ridge Ave., two-st'y brick dwell.; builder, W. H. Eddleman, 460 Green St.

Clementine St., s s, e E St., 18 two-st'y brick dwells.; owner, C. E. Wardell, 2424 North Twenty-eighth St.

Delhi St., w s, s Dauphin St., two-st'y brick dwell.; builder, D. Conson, 2720 Park Ave.

Providence, R. I. — Atwell Ave., n s, bet. Eagle St. and Woonasquattuck River, three-st'y brick dwell.; cost, \$25,000; owner, Geo. A. Hadley; builder, David Crankshaw.

Douglas Ave., No. 108, two-and-one-half-st'y frame dwell.; cost, \$7,000; owner, Sarah M. Brightman.

John St., No. 66, two-and-one-half-st'y frame dwell.; cost, \$4,000; owner, Robert Morrow; builder, Thos. W. Barry.

Atwell's Ave., n s, bet. Eagle St. and Woonasquattuck River, three-st'y brick dwell.; cost, \$25,000; owner, George A. Hadley; builder, David Crankshaw.

Douglas Ave., No. 108, two-and-one-half-st'y frame dwell.; cost, \$7,000; owner, Sarah M. Brightman.

John St., No. 66, two-and-one-half-st'y frame dwell.; cost, \$4,000; owner, Robert Morrow; builder, Thos. W. Barry.

Brownell St., No. 121, two-and-one-half-st'y frame dwell.; cost, \$4,000; owner, Richard Bromley; builder, J. T. Murphy.

River Ave., s e cor. Hawes St., two-and-one-half-st'y frame dwell.; cost, \$3,700; owners, Johanna A. and Bridget E. Farrell; builder, Thos. J. Fahey.

Wilson St., s w cor. Harrison St., two-and-one-half-st'y frame dwell.; cost, \$4,400; owner, Stephen H. Briggs; architects, Wm. H. Walker & Son; contract not let.

Somerville, Mass. — Pearl St., near Walnut St., frame dwell.; owner, J. H. Ramsdell; builder, O. G. Osgood.

Brookline Ave., near Porter St., frame dwell.; owner, H. M. Kiley; builder, Thomas Kiley.

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Twenty-Second Street and Washington Ave PHILADELPHIA, PA.

BUILDING INTELLIGENCE.

(Houses Continued.)

Charnwood Road, near Summer St., frame dwell.; owner and builder, Chas. E. Rice.

Joseph St., near Newton St., frame dwell.; owner and builder, John Cabesiras.

St. Louis, Mo. — Six one-st'y brick dwells., n s Arco St., bet. Boyle and Tower Grove Sts.; cost, \$7,200; owner and contractor, W. H. Brothers.

Two-st'y brick dwell., e s McNair St., bet. Pestalozzi and Lynch Sts.; cost, \$3,500; owner, Mary Renz; contractor, J. Walchewer.

Two-and-one-half-st'y dwell., e s Nealinkradt St., bet. Broadway and Ninth St.; cost, \$3,900; owner, C. W. Horstmann; contractor, C. A. Eardtruger.

Worcester, Mass. — Elmwood St., two-st'y frame dwell.; owner, A. S. Wolfe; architects, George & J. P. Kingston; contractor, Eli Belisle.

Millbury St., three-st'y frame dwell.; owner, J. G. Cream; contractors, Nilson & Silven.

Coster St., two-st'y frame dwell.; owner, E. Oyerholm; contractors, Nilson & Silven.

Well St., two-st'y frame dwell.; owner, H. H. Watson; day-work.

Eckman St., two-st'y frame dwell.; owner, Chas. Ros; contractor, L. M. Petterson.

Perry Ave., three-st'y frame dwell.; owner, Gustaf Peterson; contractor, L. M. Petterson.

OFFICE-BUILDINGS.

Boston, Mass. — Washington St., No. 2265, Ward 19, frame office, 17' x 70'; owners, Allen & Fox.

PUBLIC BUILDINGS.

Anderson, Texas. — Court-house, to cost \$12,000, will be built.

Goliad, Texas. — Court-house will be built for Goliad County, to cost about \$75,000.

Oglethorpe, Ga. — Two-st'y brick and stone court-house, to cost \$40,000, will be built.

Providence, R. I. — The cost of new police station on Sabin St. will be \$140,000, instead of \$14,000, as reported in issue of August 26.

SCHOOL-HOUSES.

Boston, Mass. — Spring St., near Webster St., Ward 23, two-st'y brick school-house, pitch roof, 49' x 95.10'; owners, City of Boston; builders, W. L. Clark & Co.

Chicago, Ill. — Board of Education, two-st'y school-house, One Hundred and Twentieth and Jefferson Sts.; cost, \$40,000.

St. Michael's School, four-st'y school-house, 210-212 Cleveland Ave.; cost, \$10,000.

Houston, Texas. — \$75,000 will be expended on the building of a high school.

St. Louis, Mo. — Two-st'y brick school-house, w s Twenty-fifth St., bet. Fassar and Fremont Sts.; cost, \$16,225; owner, St. Louis Board of Public Schools; contractor, B. Stack.

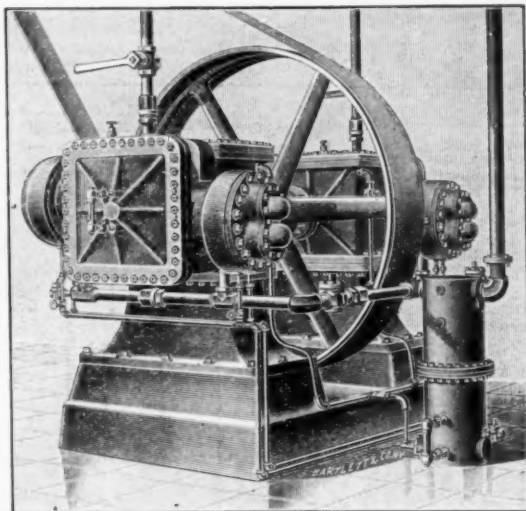
Two-st'y brick school-house, cor. Eleventh and Adelaide Sts.; cost, \$12,000; owners, St. Louis Board of Public Schools; contractor, B. Stack.

Woodstock, Va. — School-building, to cost \$5,000, is to be built.

STABLES.

Boston, Mass. — Crescent Ave., No. 61, rear, Ward 24, one-st'y frame stable, hip roof, 18' x 22'; owner, Henry Curtis, Jr.; builder, G. W. Hamilton.

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It needs no special attendant, but becomes simply a part of the general plant in charge of the engineer.

It occupies only a fraction of the space of any other machine.

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This is a department wholly distinct from the ordinary commercial uses of Refrigeration, and we are giving it the benefit of our best engineering.

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BUILDING INTELLIGENCE.

(Stables Continued.)

Dint St., near Ivory St., Ward 23, frame stable, 29' x 32'; owner, W. Duran.
Chelsea St., rear, near Ford St., Ward 1, frame stable, 20' x 45'; owner, M. Viveiras; builder, P. M. Hayden.

Summer St., rear, near opp. London St., Ward 2, frame stable, flat roof, 40' x 98'; owners, Lyons, Dupee & Co.; builder, I. G. Caswell.

Brooklyn, N. Y.—Union St., s s, 257' 6" w Seventh Ave., two-sty brick stable, tin roof; cost, \$4,700; owner, Chas. H. Fletcher, 77 Murray St., New York; architect, E. A. Rogers, 221 West One Hundred and Fifteenth St., New York.

Chicago, Ill.—Fire Insurance Patrol, two-sty barn, 235 South Hoyne Ave.; cost, \$7,000.

C. C. Berry, barn, 4550 Michigan Ave.; cost, \$15,000.
W. R. Martin, two-sty barn, 3514-3516 Prairie Ave.; cost, \$3,000.

S. E. Barnhart, two-sty barn, 505 Jackson Boulevard; cost, \$3,000.

Anton Stalte, two-sty barn, 881-886 Thirty-sixth St.; cost, \$4,000.

STORES.

Boston, Mass.—Dorchester Ave., cor. Wrentham St., Ward 24, one-sty frame store, flat roof, 40' x 75.6'; owner, J. I. Stewart; builder, G. W. Oliver.

Brooklyn, N. Y.—Court St., e s, 28' 10" n Schermerhorn St., five-sty brick store and dwell., gravel roof; cost, \$15,000; owner, O. G. Walbridge, 37 Ninth Ave.; architect, M. J. Morrill, 357 Fulton St.

Morgan Ave., s e cor. Ingraham St., 3 three-sty frame stores and dwells, tin roofs; cost, \$4,500 each; owner and builder, Wm. Bayer, 79 Starr St.; architect, Th. Engelhardt, 905 Broadway.

Moeckel Ave., s s, 125' w Newtown Creek, three-sty frame store and dwell., tin and gravel roof; cost, \$3,000; owner, Mrs. Bolesse, on premises; architect, Henry Schaeffer, 93 Monitor St.

Court St., e s, 28' 10" n Schermerhorn St., five-sty brick store and dwell., gravel roof; cost, \$15,000; owner, O. G. Walbridge, 37 Ninth Ave.; architect, M. J. Morrill, 357 Fulton St.; builder, F. Walbridge, 37 Ninth Ave.

Morgan Ave., n e cor. Harrison Pl., 2 three-sty frame stores and dwells, tin roofs; cost, \$4,500 each; owner, A. Edlig, George St., near Central Ave.; architect, Th. Engelhardt, 905 Broadway.

George St., e s, 300' e Central Ave., three-sty frame dwell., tin roof; cost, \$3,500; owner, Emil Becker, 80 George St.; architect, H. Vollweiler, 483 Hart St.

Reid Ave., s w cor. Hancock St., four-sty brick store and dwell., tin roof; cost, \$10,000; owner, Chas. Seiber, Morristown, N. J.; architect, H. Vollweiler, 483 Hart St.

Hamburg Ave., n w cor. Harman St., 4 three-sty brick stores and dwells, tin roofs; total cost, \$22,000; owner, C. C. Krefel, 793 Monroe St.; architect, H. Vollweiler, 483 Hart St.

Ewen St., s w cor. Moore St., 4 four-sty brick stores and dwells, tin roofs; total cost, \$25,000; owner, Geo. Seifried, 41 Ewen St.; architect, Th. Engelhardt, 905 Broadway.

Hudson Ave., e s, 56' 4" n Fulton St., one and two

BUILDING INTELLIGENCE.

(Stores Continued.)

st'y brick store and dwell., felt and gravel roof; cost, \$4,000; owner, W. H. Bolton, 471 Hudson Ave.; architect, A. Wischerth, 57 Troutman St.

Chicago, Ill.—Martin Finn, 2 four-sty stores and flats, 431-433 Forty-seventh St.; cost, \$15,000.

Louis J. & C. C. Blum, four-sty store and flats, 520-522 West Indiana St.; cost, \$35,000.

C. Naylor, two-sty store and flats, 5503 Wentworth Ave.; cost, \$4,500.

Dennis Fitzgerald, three-sty store and flats, 1226 Polk St.; cost, \$3,200.

Frank Fuchs, two-sty store and flats, 5728 Ashland Ave.; cost, \$7,000.

T. Atkinson, three-sty store and flats, 5008 State St.; cost, \$6,000.

Carolina Delejer, three-sty store and flats, 139-141 Grand Ave.; cost, \$13,000.

William Kante, three-sty store and flats, 206 Augusta St.; cost, \$3,000.

Joseph Frugol, two-sty store and flats, Forty-fourth and Harrison Sts.; cost, \$6,000.

Cincinnati, O.—Henry Hesselbrock, three-and-one-half-sty brick and stone store and dwell., n w Westwood Ave.; cost, \$7,000; architect, E. Schloht-meyer.

George H. Schone, three-sty brick and stone store and dwell., s s Central Ave.; cost, \$5,000; architect, Martin Fisher.

A. E. Burkhardt, two-sty brick and stone stores, s e Longworth St.; cost, \$20,000; architect, S. S. Godley.

New York, N. Y.—Washington St., Nos. 512-514, two seven-sty brick stores, tin roofs; cost, \$30,000; owners, Mary & Elizabeth Cookroft, 147 Madison Ave.; architect, Robert Mook, 2115 Fifth Ave.

Greenwich St., No. 472, seven-sty brick store, tin roof; cost, \$10,000; owner, S. Charles Welsh, 233 Greenwich St.; architect, M. V. B. Ferdon, 265 West Thirty-fourth St.

West Broadway, No. 141, six-sty brick store, tin roof; cost, \$45,000; owners and architects, Schneider & Herter, 64 East One Hundred and Sixteenth St.

St. Louis, Mo.—Three-sty brick store and dwell., s s Olive St., bet. Beaumont and Jefferson Sts.; cost, \$10,000; owner, Jas. Bauer; contractors, A. Wieden & Son.

Three-sty brick store and dwell., w s Barton Pl., bet. Louis and Barton Sts.; cost, \$8,000; owner, C. Umbach; contractors, Thake, Geer & Co.

Tamaqua, Pa.—Building containing store, offices and lodge-rooms for the Odd Fellows' Hall Building.

TENEMENT-HOUSES.

New York, N. Y.—Boulevard, s s, 259' e St. Ann's Ave., 3 three-sty brick tenements, tin roof; cost, \$4,000; owner, Robert Hall, 856 East One Hundred and Thirty-fifth St.; architect, Andrew Spence, 163 East One Hundred and Twenty-fifth St.

St. Marks Pl., No. 66, five-sty brick tenement, tin roof; cost, \$14,000; owner, W. N. Steynkoff, 419 East Fiftieth St.; architect, Charles Rentz, 133 Fourth Ave.

Pawtucket, R. I.—Pawtucket Ave., No. 24, two-sty tenement and store; owner, James F. Collins.

BUILDING INTELLIGENCE.

MISCELLANEOUS.

Chicago, Ill.—Metropolitan West Side Elevated R. R. Co., eleven depots: 436 Crawford Ave.; 496-498 West Ninety-eighth St.; 313-317 Ogden Ave.; 270-272 South Western Ave.; 268-272 South California Ave.; 1515-1517 West Harrison St.; 352 St. Louis Ave.; 351-353 Garfield Boulevard; 461-463 Medora St.; 463-465 West Forty-fifth St.; 332 Kedzie Ave.; cost, \$22,000; also foundation, etc., 221-223 South Morgan St.; cost, \$3,500.

City of Chicago, two-sty police station, Green and Eighty-fifth Sts.; cost, \$15,000.

Fullman Palace Car Co., one-sty office, One Hundred and Eleventh St., near Cottage Grove Ave.; cost, \$3,000.

C. Harris, five-sty storage house, 223 South Robey St.; cost, \$9,000.

John Weiss, one-sty hall, 73 Front St.; cost, \$3,500.

August F. Nutthar, one-sty elevator and shed, 6427-6429 Wentworth Ave.; cost, \$4,000.

City of Chicago, public bath-house, 192 Mather St.; cost, \$10,000.

A. Johnson, three-sty storage-house, 42 Mandon St.; cost, \$3,000.

Minneapolis, Minn.—Carpenter Bros., frame mill, Thirtieth Ave., n e, and River St.; cost, \$18,000.

New York, N. Y.—One Hundred and Fifteenth St., Nos. 532-534, one-sty brick storage building, tin roof; cost, \$3,000; owners, Standard Gas-light Co., 524 East One Hundred and Fifteenth St.

Jefferson St., No. 25, seven-sty brick workshop, tin roof; cost, \$12,000; owners, Hoft & Jacobs, 325 East Fifty-second St.; architect, Charles Rentz, 153 Fourth Ave.

Broome St., n w cor. Mangin St., seven-sty brick workshop, tin roof; cost, \$25,000; owner, Joseph Solomon, 806 Lexington Ave.; architect, Charles Rentz, 153 Fourth Ave.

Vanderbilt Ave., three-sty brick workshop, tin roof; cost, \$10,000; owner, George C. Dressel, 709 East One Hundred and Seventy-third St.; architect, Henry Ehrhardt, 1267 Broadway.

Fifth St., No. 914, two-sty brick storage, tin roof; cost, \$4,000; owner, B. Fay, 143 Green Ave., Brooklyn; architects, Horenburger & Straub, 122 Bowery.

North Attleboro, Mass.—Brick and stone electric-lighting plant, 55' x 78', to be connected with the pumping-station; contract to be let; architects, Loring & Phipps, Boston.

Pawtucket, R. I.—Main St., three-sty brick Odd Fellows' Building; owner, Good Samaritan Lodge, I. O. O. F.

Front St., n Central Ave., one-sty frame store-house, owners, Atwood, Crawford Co.

Philadelphia, Pa.—Orthodox St., e s, s Almond St., three-sty stone building; builder, C. Strickler, 2075 Margaretta St.

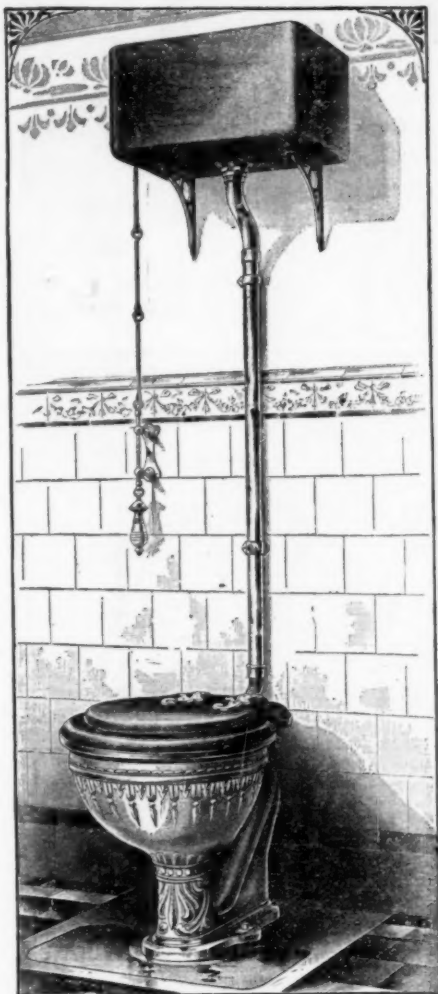
A St., e s, n Rockland Ave., brick greenhouse; builder, Horace G. Wunder, Second and Somerset Sts.

Walnut St., No. 925, one-sty brick shop; builder, Jos. Rice, 1224 Locust St.

Mascher St., w s, n Lehigh Ave., three-sty brick mill; builder, Thos. Halton, 2627 Mutter St.

State Road, s e, e Conley St., two-sty brick

A. Ade & Co., Fred.....xvi Aeschlimann & Pellmar.....x Albro Co., E. D.....E Alsen's Cement Works.....(Cov.) 4 Allen, George & Co.....x American Encaustic Tiling Co.....x American Lightning Protection Co.....v Anthony & Co., E. & H. T.....(Cov.) 1 Apollis Iron & Steel Co.....(Cov.) 3 Armstrong & Co., Maitland.....x	F. Falt & Co., J. P.....xix Farquhar's Sons, John.....xix Fisher & Co., Robert C.....xix Fiske, Homes & Co.....xviii Fleming, George & Co.....xix Flynt Building & Construction Co.....x French & Co., Samuel H.....(Cov.) 3 Frank, I. P.....xix Frost & Adams.....xv	L. Lamb, J. & R.....xix Lamb & Hiltche.....xix Lambert, J. & Co.....xix Lawrence Cement Co.....(Cov.) 4 Leak-Heit Engineering Co.....E Lord & Burnham Co.....xix	R. Randolph & Clowes.....x Raritan Hollow & Farnes Brick Co.....xix Read, J. J.....xix Richardson & Boynton Co.....xix Rider Engine Co.....xix
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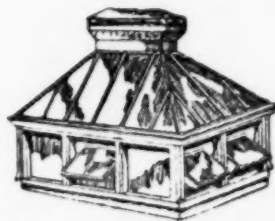
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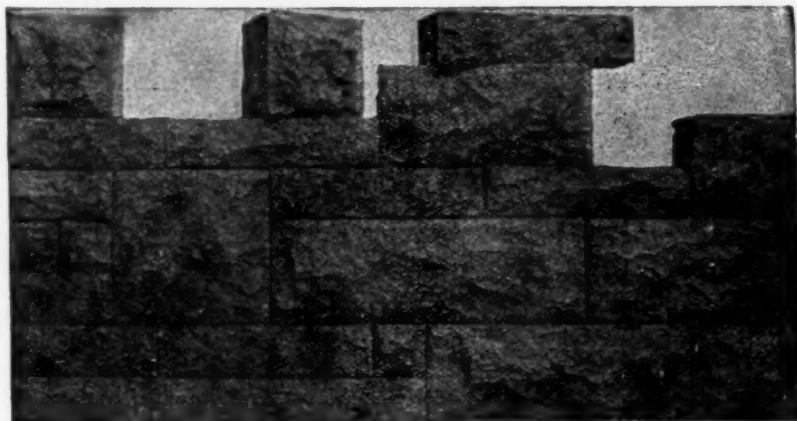
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[See Alphabetical Index on page XVI for Pagination.]

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Air Valves. Hodge Bros., Boston, Mass.
Antinounia. W. H. Schieffelin & Co., New York, N. Y. (sow)
Annunciators. W. R. Ostrander & Co., New York.
Architects. Bailey & Truitt, Philadelphia, Pa. (mon)
Architect's Materials. Frost & Adams, Boston. (sow)
Architectural Sheet-Metal Ornamental Works. W. H. Mullins, Salem, O.
Artificial Stone. Wenn Pavement Co., New York, N. Y. (sow)
Asbestos Felt & Boiler Coverings. U. W. Johns Mfg Co., New York.
Asbestos Felt. H. F. Watson Co., Erie, Pa.
Asbestos Paint. H. W. Johns Mfg Co., New York.
Asphalt. Neuchatel Asphalt Co., New York.
New York Macie Works, New York, N. Y.
Asphalt Roofing. Warren Chemical & Mfg Co., New York.
Bain Cocks. Stebbins Mfg. Co., Brighton, Mass. (sow)
Bath-Tub. Fred. F. Bischoff & Co., Chicago, Ill. (mon)
Miller & Coates, New York.
J. L. Mott Iron Works, New York.
Standard Mfg. Co., Pittsburgh, Pa. (sow)
Bells. Blake Bell Co., Boston, Mass.
Blue Prints. Spaulding & Sons, Boston, Mass. (sow)
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Randolph & Clowes, Watertown, Conn.
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Wm. T. Comstock, New York.
Hessling & Spielmeier, New York, N. Y.
Tiekner & Co., Boston.

Brass Goods. I. B. Shannon & Sons, Philadelphia. (mon)
Brick Ashlar. Fiske, Homes & Co., Boston.
Brick (Colored). Jarden Brick Co., Philadelphia, Pa.
Brick (Ornamental). Fleming Cement & Brick Co., New York. (sow)
W. H. Gates, Boston, Mass. (sow)
Perfess Brick Co., Philadelphia, Pa.
Waldo Bros., Boston.
Brick Machine. The Frey, Sheckler Co., Bucyrus, O. (sow)
Bronze Work. Bureau Bros., Philadelphia, Pa. (mon)
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Building Felt (Fire and Waterproof). H. W. Johns Mfg Co., New York.
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H. F. Watson Co., Erie, Pa.
Ceilings (Metal). New York Metal Ceiling Co., New York, N. Y.
H. S. Northrop, New York, N. Y. (mon)
The Kinnear & Gager Co., Columbus, O. (sow)
Cement (Hydraulic). F. O. Holmes Cement Co., N. Y.
Cement. Allen's Cement Works, New York, N. Y. (sow)
Brooks, Shoobridge & Co., New York.
Fleming Cement & Brick Co., New York. (sow)
Johnson & Wilson, New York.
J. H. King & Co., New York.
Lawrence Cement Co., New York, N. Y.
K. Thiele, New York, N. Y.
Chimney Tops. H. M. Hansen, Chicago, Ill. (mon)

Chrome Steel Castings. Chrome Steel Works, Brooklyn, N. Y. (sow)
Clay Shingles. Clay Shingle Co., Indianapolis, Ind.
Conductors (Water). W. Austin Oddyke & Co., Philadelphia.
Boston Spiral Tube Works, Boston.
Boulder Standing-Water Conductor Co., Allegheny, Pa.
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Graves Elevator Co., Rochester, N. Y.
Volney W. Mason & Co., Providence, R. I.

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Standard Elevator Co., Chicago, Ill.
Whittier Machine Co., Boston.
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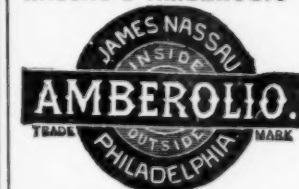
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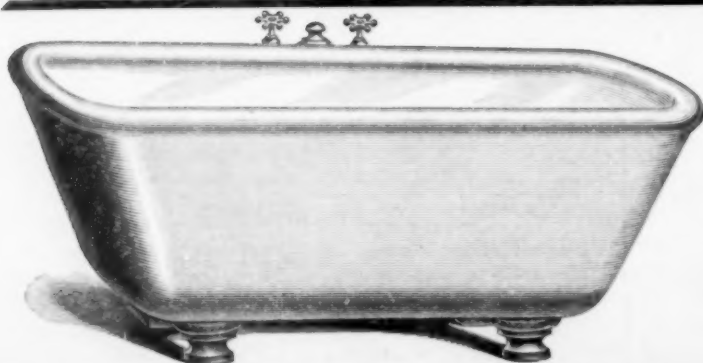
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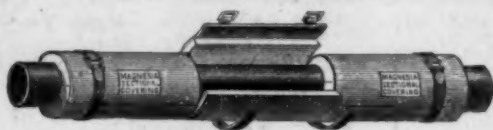
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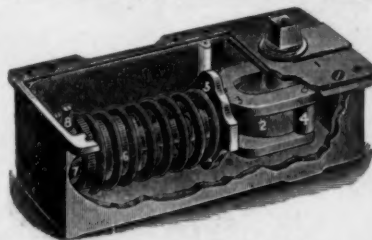
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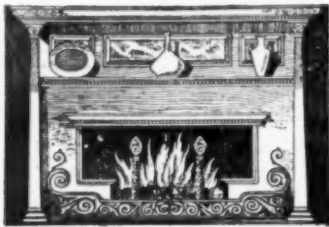
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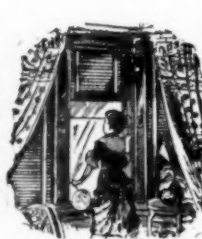
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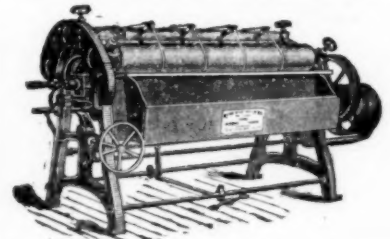
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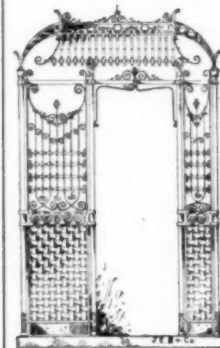
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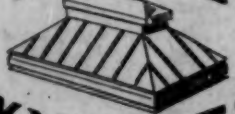
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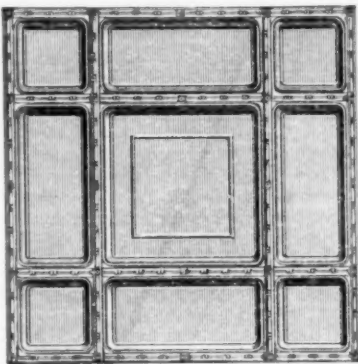
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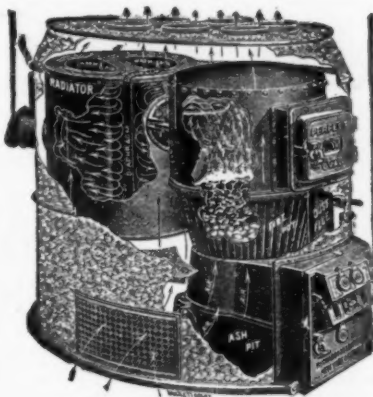
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BUILDING MATERIALS.

	New York.	Boston.	Chicago.	Philadelphia.
	(Wholesale Prices.)	(Prices to Builders and Contractors.)		
LUMBER.—P. M.				
Boards: (Ordinary dimensions.)				
Pine, 1st quality, clear.....	65 00 @ 75 00	55 00 @ 70 00	42 00 @ 50 00	48 00 @ 55 00
" 2d quality.....	55 00 @ 60 00	42 00 @ 50 00	27 00 @ 38 00	40 00 @ 45 00
" 3d quality.....	18 00 @ 22 00	35 00 @ 40 00	14 00 @ 20 00	30 00 @ 35 00
Spruce.....	@ 25 00	14 50 @ 25 00	Not sold.	16 00 @ 20 00
Hemlock.....	ea 13 1/2 @ 14	13 00 @ 15 00	@ 12 00	11 25 @ 13 50
Yellow pine.....	20 @ 40	25 00 @ 35 00	21 00 @ 34 00	14 00 @ 29 00
Cypress.....	@	31 00 @ 40 00	18 00 @ 34 00	@ 35 00
Clapboards:				
Pine.....	@	38 00 @ 60 00	19 00 @ 24 00	14 00 @ 25 00
Spruce.....	@	23 00 @ 38 00	Not sold.	Not sold.
Framing Timber:				
Pine.....	14 00 @ 18 00	15 50 @ 18 00	12 00 @ 17 50	25 00 @ 37 30
Spruce.....	12 00 @ 16 00	13 00 @ 15 00	Not sold.	16 00 @ 18 00
Hemlock.....	18 00 @ 21 00	22 00 @ 35 00	10 00 @ 13 00	13 00 @ 17 00
Yellow pine.....			24 00 @ 34 00	22 00 @ 28 00
Laths:				
Pine.....	Slab { 2 10	2 25 @ 2 50	@ 2 65	2 75 @ 3 00
Spruce.....	{ 2 15	2 35 @ 3 00	Not sold.	2 30 @ 3 00
Shingles:				
Pine, shaved..... P. M.....	5 00 @ 6 00	@	Not sold.	
Pine, sawed..... "	4 00 @ 5 00	@ 4 50	2 40 @ 3 15	
Spruce, sawed..... "	1 50 @ 2 00	1 50 @ 00	Not sold.	
Redwood..... P. M.....	1 40 @ 1 60	3 75 @ 4 00	6 00 @ 7 50	{ 30" \$35 @ 40
Cedar split..... P. M.....	@	@	Not sold.	{ 24" 8 @ 21
Cedar sawed..... "	@	2 00 @ 4 00	2 60 @ 2 75	{ 20" 35 @ 14
Cypress, Split..... 7 x 24. "	18 00 @ 20 00	5 00 @ 6 00	3 50 @ 4 00	11 00 @ 14 00
Miscellaneous:				
Piles..... P. ft.....	4 1/2 @ 5 1/2	Piles 6c. P. ft.....	Cut to order.	
Fence pickets, Common.....	8 00 @ 10 00	10 00 @ 18 00	P. 10 00 @ 22 00	9 00 @ 13 00
Cedar posts, 9 ft. (sq. posts.).....	@	25 @ 50	9 @ 21	40 @ 1 25
Chestnut posts.....	@	25 @ 50	Not sold.	20 @ 30
Finishing Woods: P. M. (First Qual.)				
Ash..... (Kiln-dried.)	@ 55 00	45 00 @ 60 00	14 00 @ 30 00	42 50 @ 47 50
Cherry.....	80 00 @ 120 00	90 00 @ 120 00	35 00 @ 90 00	100 00 @ 120 00
Butternut.....	40 00 @ 60 00	60 00 @ 70 00	17 00 @ 35 00	70 00 @ 80 00
Hard-pine floors (rift).....	@ 180 00	45 00 @ 50 00		
Mahogany, Baywood (Mexican).....	@ 350 00	150 00 @ 160 00	110 00 @ 170 00	150 00 @ 250 00
St. Domingo.....	@ 50 00	120 00 @ 350 00	200 00 @ 250 00	200 00 @ 400 00
Maple.....	@ 70 00	45 00 @ 50 00	12 00 @ 20 00	25 00 @ 55 00
Oak, red.....	@ 70 00	@ 50 00	17 00 @ 27 00	42 50 @ 55 00
" white.....	@ 70 00	50 00 @ 55 00	16 00 @ 28 00	45 00 @ 55 00
" quartered.....	@ 90 00	65 00 @ 75 00	34 00 @ 40 00	60 00 @ 75 00
Sycamore quartered.....		50 00 @ 65 00	25 00 @ 28 00	57 50 @ 65 00
Pine, clear.....	65 00 @ 70 00	50 00 @ 75 00	33 00 @ 50 00	@ 65 00
Redwood.....	60 00 @ 70 00	60 00 @ 70 00	40 00 @ 45 00	60 00 @ 75 00
Rosewood..... P. ft.....	@ 6		per M. 600 00	
Spruce floors (clear, kiln-dried).....		32 00 @ 35 00		
Walnut, black.....	125 00 @ 150 00	85 00 @ 120 00	40 00 @ 75 00	50 00 @ 170 00
Whitewood.....	45 00 @ 50 00	40 00 @ 45 00	14 00 @ 30 00	25 00 @ 40 00
Yellow pine..... P. M.....	@ 45 00	40 00 @ 42 00	31 00 @ 34 00	@ 45 00

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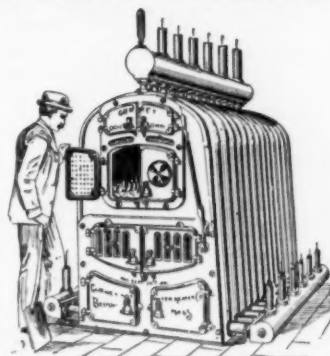
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BUILDING MATERIALS.	New York.	Boston.	Chicago.	Philadelphia.
Foundation:	Wholesale Prices.)	(Prices to Builders and Contractors,		
Dimension.....	500 500	500 500	20 500	500
Block.....	40 600	40 600	40 600	40 600
Rubble.....	1 25 150	1 25 150	8 50 100	1 45 250
Bluestone: (P sq. ft.)				
Sidewalk.....	30 500	40 175	75 100	1 in.th.10 25
Planed.....	50 600	75 75	50 100	37 50
Sandstone:				
Longmeadow.....	80 90	80 90	80 90	95 105
Kibbe.....	90 110	90 110	90 110	105 125
Brown (Connecticut).....	1 00 95	1 25 145	1 50 150	1 05 125
Amherst Ohio.....	90 95	90 100	45 50	85 95
Berea.....	75 100	85 90	45 55	55 75
Berlin.....	75 100	80 90	55 65	85 95
Bellefonte.....	80 125	1 25 135	1 25	1 00 110
New Brunswick (Dorchester).....	1 00	75 90		1 05 115
Caen.....	1 00	2 00		1 25 135
Carlisle, English.....	1 05	1 05		95 105
Corse Hill (Scotch).....	1 05	1 05		95 105
Marble: (P cu. ft.)				
Lee, Mass.....	1 75 250	1 75 250	3 50 600	2 00 250
Rutland, white and blue.....	3 00	3 00	3 50 600	2 00 300
Sutherland Falls.....	2 00	2 00	Not Sold.	1 70 300
Glens Falls, black.....			Not Sold.	4 00 450
Italian, blue-veined.....			4 40	2 50 275
" Sienna.....			Not Sold.	5 00
Tennessee, red.....			4 40	4 00 600
" Knoxville.....			4 40	3 00 400
Pennsylvania, blue.....			Not Sold.	2 00 300
Vermont, white.....			3 50 600	2 25 300
Slate: Roofing (P square).....				
" green.....	5 00 600	4 75 525	5 50 610	2 30 300
" unfading.....	5 00 600	5 50 650	6 50 710	3 25 375
" purple.....	5 00 600	5 50 650	6 50 710	3 50 450
" red.....	4 25 475	10 00 1100	12 00 1400	50 1025
" black, Lehigh.....			6 25 685	25 400
" " Chapmans.....			7 30 800	00 465
" Unfading black, Monson, Me.....	5 50 800	5 50 800	6 00 900	5 50 800
Tiles, Am.....			Not Sold.	6 00 250
N. Peach Bottom, warranted unfading.....				6 00 675
PAINTS. (In Oil P lb.)				
White lead, Am.....	7 75	6 75	7 75	7 75
" zinc.....	5 75	5 75	5 75	5 75
Red lead, Am.....	6 75	6 75	6 75	6 75
" Venetian.....	6 100	7 100	7 100	7 100
" Vermillion.....	65 70	70 75	65 70	65 70
" Indian, Eng.....	12 20	12 20	12 20	12 20
Yellow Ochre.....	12 20	12 20	12 20	12 20
" Chrome.....	25 40	25 40	25 40	25 40
Green (chrome).....	25 40	25 40	25 40	25 40
Green, Paris.....	15 25	15 25	15 25	15 25
Black, lamp.....	12 18	12 18	12 18	12 18
Blue, ultramarine.....	55 62	39 40	57 60	55 62
Oil, linseed, (raw).....	58 65	42 43	60 63	58 65
" boiled.....	36 37	34 34	40 42	36 37
Turpentine.....	1 50 600	1 50 600	1 25 200	1 25 200
Varnish, coach.....	2 50 300	2 50 300	2 25 400	150 300
Shellac.....	2 25	2 25	2 25	2 25
Putty.....	2 100	2 100	2 100	2 100
Whiting.....	1 30 200	1 30 200	1 30 200	1 30 200
Paris white, (Eng.).....	14 20	14 20	14 20	14 20
Litharge, Am.....	14 20	14 20	14 20	14 20
Sienna (burnt).....	14 20	14 20	14 20	14 20
Umber.....				
HARDWARE.				
Nails: (Per Cask.) Spikes, (sought.)	2 85	2 85	2 85	2 85
10d. common.....	2 60	2 60	2 60	2 60
Shingle.....	3 35	3 35	3 35	3 35
Lath.....	4 85	4 85	4 85	4 85
(Finishing nails according to size.)				
(For casing nails add 75 c. per keg.)				
Butts: 4" x 4".....	1 00	1 20	1 00	1 00
Plain.....	1 50	1 75	1 50	1 50
Japanned.....	1 50	1 90	1 50	1 50
Acorn, Japanned.....	65	65	65	65
Ball Tip, Boston Finish.....	1 90	1 65	1 90	1 90
Bronze metal.....	10	10	10	10
Brass (for cupboards).....	10	10	10	10
Ebony.....				
Apple wood.....				
Knobs: (P set.)				
Mineral, best.....	8	8	8	8
Lava.....	50	75	50	50
Hemacite.....	Not Sold.	17 33	31 40	25 50
Porcelain.....	30	10	25 30	25
Glass, solid.....	Not Sold.	50	Not Sold.	100 250
Glass, silvered.....	Not Sold.	88 100	50 300	1 75 200
Bronze metal.....	75 200	50 300	100 300	50 350
Brass.....	1 00 250	50 300	14 16	75 125
Solder:				
Sheet Lead.....		7 1/2	5 1/2	6 1/2
Lead Pipe.....		6 1/2		6 1/2
Iron:				
I-Beams, up to and including 30 ft.....	3 3-10 3 1/2	3 4-10	2 50 2 75	2 8-10
do. over 30 ft., 1 c. adv. for every 5 ft.	3 3-10 3 1/2	3 4-10	50 2 75	2 8-10
Channel Beams.....				

FLUCTUATIONS.

Chicago, Ill. — No changes in market reports worth making. Lumber is a little firmer in price, but can be bought a little lower than present quotations.

The GURNEY "DOUBLE CROWN"



HOT WATER HEATER FOR LARGER WORK.

THIS heater has waterway front and back ends with double return flues at bottom, thus utilizing and exhausting the heat thoroughly before reaching the chimney. The fire is at the top. Water is delivered immediately into the pipes at a high temperature. Has very large grate and heating areas. Send for our trade catalogue. It is most complete and instructive.

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DESTROYS!
Shall it be Your House or a Pound of Copper?
Entirely new departure in protecting buildings from lightning.
Patents of N. D. C. Hodges, Editor of Science.
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or Hot Air, Right
or Left Hand, with or
without Hot Closets.
Just the thing for Flats
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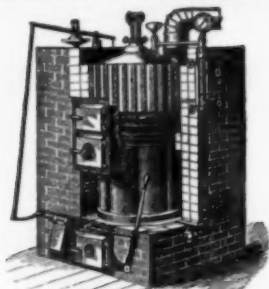
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NO PACKED OR BOLTED JOINTS.

Send for Catalogue with full description.

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offers a complete protection against
**DRY ROT, FUNGI, MILDEW,
MOLD AND CRYPTOGRAMS.**
and is available for both Wood-work and Masonry.

This new substance is a product of the **FARBEN-
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and tested by Professors **V. MILLER** and **HARZ**,
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**"ANTINONNIN IS A PEERLESS
PREVENTATIVE OF MILDEW."**

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STETTNER, and many architects and builders, have
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ANTINONNIN is odorless, non-volatile, soluble in
water, and makes eligible mixtures with lime
and other distemper applications.

ANTINONNIN penetrates wood and remains in it,
forming a perfect protection against fungi, mil-
dew, and continuous dampness.

ANTINONNIN is far superior to Tar Oils, Carbollin-
um and similar preparations on account of its
freedom from odor, its ease of application, its
lasting properties, and its **EXTRAORDINARY
POWER AS A DESTROYER** of all fungoid
growths and all organisms which favor dampness
and mildew.

ANTINONNIN

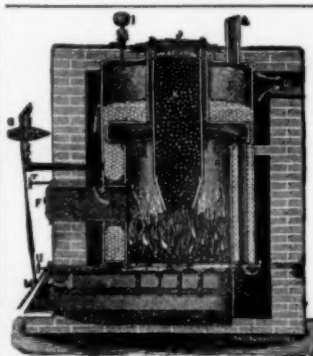
is the best application now known for the **MASONRY
AND WOOD-WORK OF CELLARS, STORE-HOUSES,
WINE-CLOSETS, LAUNDRIES, STABLES,
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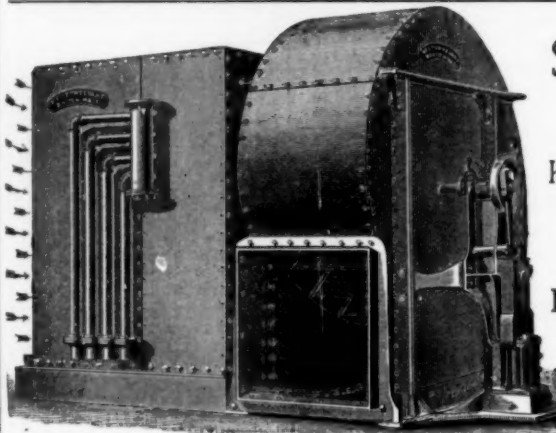
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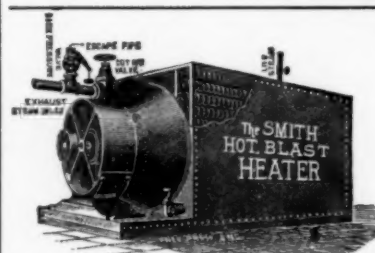
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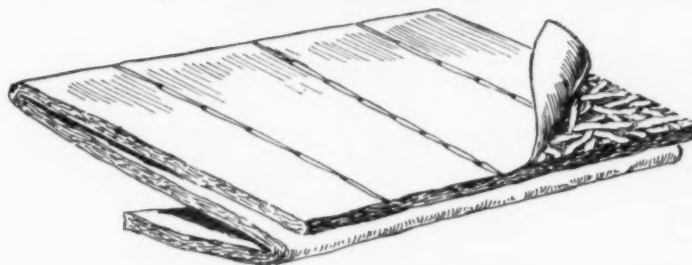
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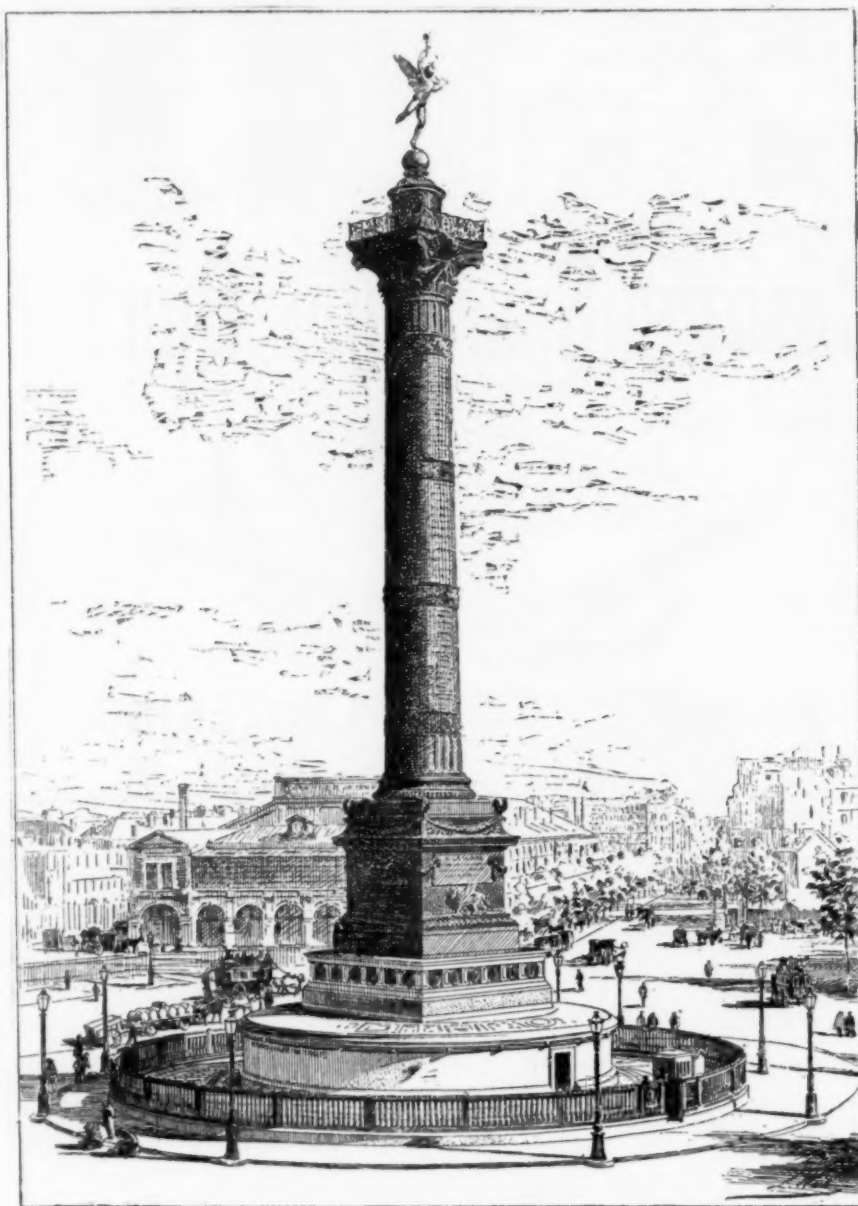
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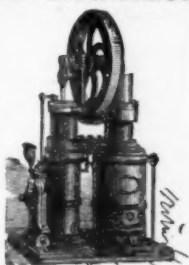
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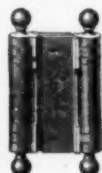
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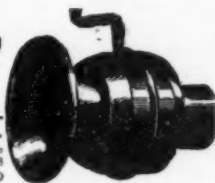


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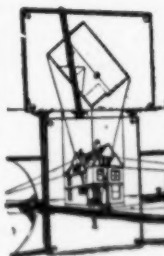


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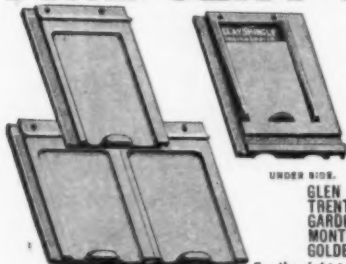
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Chicago, Ill.—A. E. Kimball, two-st'y dwell., 7506 Union Ave.; cost, \$5,000.

William Thomas, three-st'y dwell., 4601-4603 Drexel Boulevard; cost, \$20,000.

B. D. Heib, two-st'y dwell., 1219 Winthrop St.; cost, \$3,000.

Dr. Gentry, two-st'y dwell., Prospect Ave., near Forrest Ave.; cost, \$5,000.

L. P. Schriber, two-st'y dwell. and barn, 3180 Arlington St.; cost, \$4,500.

Abigail Lazerny, two-st'y dwell., 3170 Dover St.; cost, \$4,000.

J. E. Noelle, two-st'y dwell., Maple St., near Pratt St.; cost, \$6,000.

J. W. Herman, two-st'y dwell., 9022 Exchange Ave.; cost, \$4,500.

William Gillies, two-st'y dwell., 7810 Bond Ave.; cost, \$3,800.

Collingswood, N. J.—Washington Ave., two brick dwell.; builder, Ensign Miller.

Jenkintown, Pa.—Stone dwell.; architect, Isaac Pursell, 119 South Fourth St., Philadelphia.

New York, N. Y.—One Hundred and Forty-second St., w. s. 550' e. Willis Ave., one and two st'y brick dwells. and studio, mansard tin roof; cost, \$19,500; owner, Flornccio Peccirilli, 756 East One Hundred and Forty-second St.; architect, Walter H. C. Hornum, 181 East One Hundred and Twenty-first St.

Pennsbuigh, Pa.—Dwell. by Geo. Heavener.

Perkasie, Pa.—Snyder Ave., dwell.; owner, Chas. Desterly.

Fairmount Ave., dwell. for Wm. Renney.

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BUILDING INTELLIGENCE.

(Houses Continued.)

Philadelphia, Pa.—Allens Lane, s. s. w. Emlen St., two-st'y brick dwell.; owner, B. F. Hughes, Boyer St., Mt. Airy.

Richmond St., s. w. s. n. Westmoreland St., two-st'y brick dwell.; owner, Chas. Judge, 3014 Richmond St.

Kater St., s. s. w. Thirteenth St., two-st'y brick dwell.; builders, Doyle & Doak, 1511 Moravian St.

Tulip St., s. s. e. Tioga St., two-st'y brick dwell.; builder, Andrew Anderson, 3471 Welkel St.

Lawrence St., e. s. n. Cayuga St., two-st'y brick dwell.; owner, Thomas Mulholland, Fourth St., n. Cayuga St.

North Eighth St., No. 2315, three-st'y brick dwell.; builder, John Weible, 2327 North Ninth St.

Clifton St., No. 608, three-st'y brick dwell.; builder, John H. Hutchinson, 1639 South Thirteenth St.

Twentieth St., e. s. n. Brown St., three-st'y brick dwell.; builder, Geo. M. Miller, 20 South Broad St.

Harrison and Mulberry Sts., six brick dwell.; owner, Wm. France; architect, H. W. Castor, Frankford, Pa.

Frankford Ave., three-st'y dwell. and store; owner, W. K. Litz; architect, H. W. Castor, Frankford.

Haverford, Rockland, Thirty-second and Thirty-third Sts., 60 dwell.; builder, John G. Ruff.

Comly St., s. w. s. e. State Road, two-and-one-half-st'y brick dwell.; builder, H. P. Castor.

Mill St., n. s. e. Chew St., 2 two-st'y brick dwell.; owners, Jas. Kneass's Sons, 106 East Chelton Ave.

Comly St., s. s. e. State St., 2 three-st'y brick dwell.; owner, H. P. Castor, 5811 Tacony St.

Franklin St., n. s. e. Wakeling St., 4 three-st'y brick dwell.; builder, Jas. S. Swope, 4911 Franklin St.

Knox St., n. s. e. Seymour St., 2 two-and-one-half-st'y brick dwell.; owner, Herman C. Kuhn, 4511 Henry St.

Monayunk Ave., s. s. e. Levering St., 2 three-st'y brick dwell.; builder, W. H. Eddleman, 480 Green Lane.

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(Houses Continued.)

North Sixth St., No. 6604, three-st'y brick dwell.; builder, R. J. Kirby, 334 South Fifteenth St.
Reese St., e and w s, n Pike St., 3 two-st'y brick dwell.; builder, J. G. T. Miller, 435 Indiana Ave.
Windrim St., e s, n Clearfield St., 4 two-st'y brick dwell.; builder, C. W. Cox, 902 Cooper St., Camden, N. J.
York St., n s, s Erie Ave., two-st'y brick dwell.; builder, Louis B. Bitters, Wyoming Ave. and Second St. Pike.
North Twelfth St., three-st'y brick dwell.; builder, Fred. H. Henry, 1718 Columbia Ave.
Mifflin St., n s, w Nineteenth St., 4 two-st'y brick dwell.; owner, C. F. Gallagher, 1336 South Nineteenth St.
Indiana Ave., n s, w Eighth St., 4 three-st'y and 10 two-st'y press-brick dwell.; builders, Woolful & Schmunk, 614 Cambria St.
Frankford Ave., w s, s Wishart St., three-st'y brick dwell.; owner, John McCann, 2442 East Huntington Ave.
Pittsburgh, Pa.—Callowhill St., dwell. and store; builder, J. C. Louer.
Atlantic Ave., brick dwell.; builder, Isaac Reese.
Smithfield St., brick dwell.; cost, \$17,000; owners, The Lincoln National Bank.
Terrace St., brick dwell.; owner, W. P. Van.
Savanna St., two brick dwell.
North Highland Ave., plans for a stone dwell.; architect, F. C. Sauer; builder, Dennis Heeson.
Callowhill St., stone dwell.; architect, F. C. Sauer; builder, B. K. Waughtner.
St. Clair and Baum Sts., brick and stone dwell.; owner, Henry Overmann; architect, F. C. Sauer; builder, Henry Hehman.
Linden St., dwell.; owner, Mrs. S. J. McFarren; builders, Lowery & Morrell, Aspinwall, Pa.
Wilmont St., double brick dwell.; owner, Frederick Englebygent; builder, J. C. Lashley.
South Negley Ave., double brick dwell.; owner, E. V. Babcock; builders, Martoff Bros.
Hoerler St., six stone and brick dwell.; builder, J. R. Brown, Bennett, Pa.
Forbes Ave., stone dwell.; owner, Jos. Loughery; builders, A. & S. Wilson.

Pleasantville, Pa.—Near the Reading Station, dwell.; owner, Mr. Mulligan, Philadelphia.

Pottsville, Pa.—Four brick dwell.; owner, Mrs. Dobson; builder, Mr. Anman.

Reading, Pa.—Douglass St., bet. Centre Ave. and Fourth St., dwell.; owner, S. W. Kline.

Somerville, Mass.—Main St., near Moreland St., frame dwell.; owners, Larkin & Powers.

Farragut Ave., frame dwell.; owner, W. Hennings; builder, O. G. Osgood.

Belmont St., near Highland Ave., frame dwell.; owner, Joseph K. James; builder, T. F. Farrington.

Laurel Court, four frame dwell.; owner and builder, Fred Bailey.

Oak St., frame dwell.; owner, Mrs. Maurice Murphy; builders, Pynn & Eastman.

Webster Ave., near Tremont St., frame dwell.; owner and builder, J. W. Connor.

Washington St., No. 324, frame dwell.; owner, Jacob Alford; builder, L. D. Richard.

Marshall St., frame dwell.; owner, Charles Payson; builder, Geo. E. Kieker.

Stafford, Pa.—Plans for a dwell.; architects, W. Pritchett & Bro., 1430 South Penn Square, Philadelphia, Pa.

St. David's, Pa.—Dwell.; cost about \$8,000; owner, Prof. Henry Trimble.

St. Louis, Mo.—Two-st'y dwell., s s Cook St., bet. Taylor and Marcus Aves.; cost, \$4,500; owner, James Gueren; contractors, Cook & Casey.

Two-st'y dwell., e s Oregon St., bet. Chippawa and Wineburg Sts.; cost, \$3,000; owner, John Teith; contractor, H. Ruekmann.

Three-st'y dwell., w s Eleventh St., bet. Victor and Barton Sts.; cost, \$4,200; owner, G. Hurlinger; contractors, Thomas & Mers.

Two-st'y brick dwell., n s Russell St., bet. Vande-

BUILDING INTELLIGENCE.

(Houses Continued.)

venter and Lawrence Sts.; cost, \$3,800; owner, M. J. Gantri; contractor, Fred. Wenck.
Two-st'y dwell., w s Cock St., bet. Grand and Channing Aves.; cost, \$8,000; owner, J. C. Butler; contractor, D. J. Dempsey.
Two-and-one-half-st'y dwell., n s Clemens St., bet. Goodfellow and Hamilton Aves.; cost, \$4,500; owner, M. E. Barbach; contractor, Shaffnet.
Two two-st'y brick dwell., n s Evans St., bet. Sarah and Vandeventer Aves.; cost, \$4,000; owner and contractor, Henry Delay.
Two-st'y dwell., Castleman and Vandeventer Aves.; cost, \$3,500; owner, E. Fisher; contractor, C. H. Studholter, Jr.
Summit, N. J.—Two-and-one-half-st'y frame parsonage for the Methodist Church; architect, A. B. Jennings, 145 Broadway, New York.
Swarthmore, Pa.—Plans for a stone and frame dwell., shingle roof; owner, Dr. Isaac G. Smedley, 1705 Arch St., Philadelphia; architect, Arthur Stanley Cochran, 140 South Fourth St., Philadelphia.
Thurlow, Pa.—Several dwells.; owner, W. A. Shoemaker.
Wilkesburg, Pa.—South St., ten brick dwell.; architect, Mr. Milligan.
Worcester, Mass.—Holden Road, one-and-one-half-st'y frame dwell.; owner, C. A. Laurens; contractors, Shewbrooks & Geeser.
Pleasant St., two-st'y frame dwell.; owner and contractor, O. C. Thayer.
Chandler St., three-st'y frame dwell.; owner and contractor, Leo Peirce; architects, Johnson & Patch.
Dean St., two-st'y frame dwell.; owner, L. A. Taylor; architects, Patston & Lincoln; contractors, G. S. & H. G. Hadley.
Grove St., three-st'y frame dwell.; owner, J. Butler; contractors, Yates & Delaney.

OFFICE-BUILDINGS.

New York, N. Y.—Stone St., No. 9, and Marketfield St., Nos. 14-16, ten-st'y brick office-building, concrete and brick roof; cost, \$300,000; owners, N. Y. Produce Exchange, Thirty-eighth St. and Broadway; architect, Henry Gilvray, 1 Broadway.

Philadelphia, Pa.—Cambria St., n w cor. Philip St., one-st'y brick office-building; builder, T. W. Smaltz, 1545 Hutchinson St.

York St., s s, e Thirtieth St., two-st'y brick office-building; builder, P. H. Somerset, 1513 West Twelfth St.

PUBLIC BUILDINGS.

Chester, Pa.—Public building; builder, William Brassford, St. Paul, Minn.

SCHOOL-HOUSES.

Bethel, Pa.—School-building; builder, B. F. Steinbach.

Bridgeport, Pa.—School-house.

Franklin, N. J.—Plans for a brick and stone school-house, slate roof; architect, Ernest H. Tilton, 24 State St., New York.

Franklin, Pa.—Parochial school-house for the Catholics.

Hightstown, N. J.—School-house.

Lindenwald, N. J.—School-house.

New York, N. Y.—One Hundred and Sixty-fourth St., s s, 250' w Boulevard, two-st'y brick school, tin roof; cost, \$5,000; owners, New York Institution for Instruction of Deaf and Dumb; architect, Sam. P. Barry, 562 East One Hundred and Fifty-sixth St.

Madison Ave., n e cor. Forty-fifth St., four-st'y brick school, block roof; cost, \$80,000; owners, New York Central R. R., Forty-second St. and Fourth Ave.; architect, R. H. Robertson, One Hundred and Sixtieth St. and Fifth Ave.

Eighty-second St., n e cor. West End Ave., five-st'y brick school, slate and tin roof; cost, \$180,000; owner, City of New York, City-Hall, New York;

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(School-Houses Continued.)

architect, C. B. J. Snyder, 146 Grand St., New York.

Philadelphia, Pa.—Torresdale St., three-st'y academy; builder, W. R. Dougherty, 1604 Sansom St.

Tasker St., n e cor. Seventeenth St., three-st'y brick and stone school-house, tin roof; architect to the Board of Education, Joseph D. Austin, 713 Filbert St.

Turner St., w s, n Venango St., three-st'y brick school-house; builder, Chas. O'Neill, 1216 South Broad St.

St. Clair, Pa.—St. Bonifacius (German) school and hall building.

STABLES.

Boston, Mass.—Dudley St., rear No. 765, Ward 21, three-st'y brick stable, flat roof, 77' x 109'; owner, I. H. Allard.

Sachem St., rear, near Calumet St., Ward 22, one-st'y frame stable, 18' x 30'; owner, M. T. J. Keenan.

New York, N. Y.—College Ave., e s, 75' s Forty-eighth St., two-st'y brick stable, tin roof; cost, \$6,500; owner, J. Greenfield, 484 College Pl.; architect, Anthony F. A. Schmitt, 604 Courtland Ave.

West Fortieth St., No. 250, four-st'y brick stable, tar and pebble roof; cost, \$40,000; owner, John D. Karst, 250 West Fortieth St.; architect, Louis Koon, 261 Broadway.

West Seventeenth St., No. 422, four-st'y brick stable, tin roof; cost, \$14,000; owner, John Breddinger, 40 Jane St.; architect, Wesley J. Havel, 66 Liberty St.

Philadelphia, Pa.—American St., n e cor. Cambria St., two-st'y brick stable; builder, T. W. Smaltz, 1545 Hutchinson St.

South Eleventh St., No. 1828, one-st'y brick stable; builder, John Knorr, 1729 South Ninth St.

Carlisle St., e s, s Columbia Ave., two-st'y brick stable; builder, Jacob R. Garber, 53 North Thirtieth St.

Richardson St., s e cor. Ellsworth St., three-st'y brick stable; owners, John C. Barrett & Co., 1732 Christian St.

Worcester, Mass.—Coburn Ave., one-and-one-half-st'y frame stable; owner, H. E. Simmons; day work.

Pleasant St., one-and-one-half-st'y frame stable; owner and contractor, O. C. Thayer.

STORES.

Brooklyn, N. Y.—Court St., No. 84, four-st'y brick store and dwell., tin roof; cost, \$4,000; owner, Mark Rosenthal, 104 Court St.; architect, M. Bernstein, 241 East Broadway, New York City.

Third Ave., n e cor. Fifty-eighth St., 2 four-st'y brick stores and dwells., tin roofs; cost, \$16,000; owner, Richard Wilhelm, 289 Degraw St.; architect, H. L. Spicer, Third Ave. and Fifty-third St.

Bushwick Ave., s e cor. Troutman St., 2 four-st'y frame stores and dwells, tin roofs; cost, \$5,000 each; owner, Geo. Covert, Lafayette Ave.; architect and builder, Henry Loebler, 831 Gates Ave.

Fifty-eighth St., n w cor. Third Ave., four-st'y brick store and dwell., tin roof; cost, \$12,000; owner, Barney Nolan, Third Ave. and Forty-ninth St.; architect, H. L. Spicer, Third Ave. and Fifty-third St.

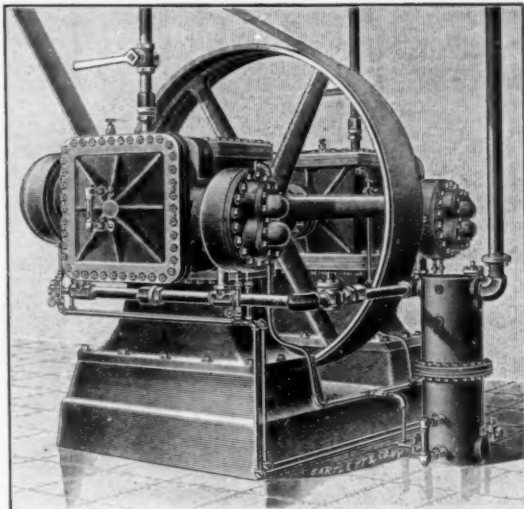
Wyckoff Ave., w s, 75' n Stanhope St., two-st'y frame store and dwell., tin roof; cost, \$3,000; owner, N. B. Eghardt, 106 Wyckoff Ave.; architect, W. B. Wills, 504 Hart St.

Chicago, Ill.—Herman Cohn, two-st'y store and flats, 430 South Union St.; cost, \$5,000.

Patrick Fitzgerald, three-st'y store and flats, 266 North Hoyne Ave.; cost, \$7,000.

John Conley, two-st'y store and dwell., 5701 Wright St.; cost, \$4,500.

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BUILDING INTELLIGENCE.

(Stores Continued.)

- M. A. Lameroux, two-st'y restaurant, 190 East Van Buren St.; cost, \$6,000.
- Doylestown, Pa.—Ashland and Clinton Sts., store; owner, Frank L. Worthington.
- New York, N. Y.—Eighty Ave., s s 34' s Fifty-ninth St., two-st'y brick store, tin roof; cost, \$10,000; owner, W. P. Earle, 12 East Fifty-seventh St.; architect, N. Le Brun, 1 Madison Ave.
- Philadelphia, Pa.—Cherry St., s e cor. Ninth St., three-st'y brick store; builder, W. J. Mingle, 923 Locust St.
- Cuthbert St., s e cor. Eleventh St., five-st'y brick store; builder, Jacob Myers, s e cor. Locust and Thirteenth Sts.
- Tasker and Eleventh Sts. and Passyunk Ave., plans for a two-st'y store; architect, Harold Godwin, 905 Walnut St.
- North Tenth St., Nos. 240-242, six-st'y brick and stone store; owners, Samuel Loux & Son; architect, Emil C. Tritton, 136 South Fourth St.
- St. Louis, Mo.—Three-st'y store building, s s Market St., bet. Second and Third Sts.; cost, \$4,000; owner, Jno. Brockmeur; contractor, L. Wisseman.

WAREHOUSES.

- Philadelphia, Pa.—Fifteenth St., w s, n Dauphin St., five-st'y brick warehouse; builder, George R. Snyder, 2002 Columbia Ave.

MISCELLANEOUS.

- Allegheny City, Pa.—Masonic Hall.
- Boston, Mass.—Charles St., Allen St. and Blossom St., Ward 9, one-st'y brick ward, flat roof, 74' x 120'; for Massachusetts General Hospital; builders, Conner & Wentworth.
- Walk Hill St., near Canterbury St., Ward 23, one-st'y brick crematory, pitch roof, 56' x 68'; owners, Massachusetts Crematory Society; builder, J. H. Wittekind.
- East First St., near O St., Ward 14, one-st'y mechanical building, 60' x 160'; owners and builders, G. Lawley & Son Corporation.
- Washington St., No. 2273, Ward 19, two-st'y frame mercantile building, flat roof, 40' x 80'; owners, F. Smith & Co.
- Brooklyn, N. Y.—Jamaica Ave., n s, 50' w Crescent St., one-st'y brick archway; cost, \$6,000; owners, The Cypress Hills Cemetery Corporation, at Cemetery; architect, Wm. Danmar, Atlantic and Van Siclen Aves.; builder, K. A. Murphy, Linwood St.
- Collingswood, N. J.—Harleigh Cemetery, green-house; builder, Theodore Patterson.
- Elberon, N. J.—Building for Thos. T. Kinney; builder, O. E. Davis.
- Flemington, N. J.—Lehigh Valley Freight-house, w s, a creamery.
- Greensburg, Pa.—Station for the Pennsylvania R. Co.; cost about \$75,000.
- Harrisburg, Pa.—Three-st'y brick building; owners, State Hospital for the Insane.
- Lock Haven, Pa.—Brick and stone boiler-house for the State Normal School; architects, Wagner & Rutmeyer, Hays Building, Williamsport, Pa.

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BUILDING INTELLIGENCE.

(Miscellaneous Continued.)

- Marcus Hook, Pa.—Plans for a three-st'y brick and limestone building for the Borough Hall; architect, Horace Jackson, Chester, Pa.
- Montclair, N. J.—Plans for a three-st'y stone and shingle building for the Montclair Children's Home; architect, Jos. Ireland, 265 Broadway, New York.
- New York, N. Y.—Thompson St., Nos. 52-54-56, seven-st'y brick storehouse; cost, \$46,000; owner, Chas. B. Rouse, 632 Fifth Ave.; architects, D'Ourch & Simon, 50 West Fortieth St.
- Philadelphia, Pa.—North Sixty-third St., No. 431, two-st'y brick building; owner, B. F. Pearson.
- Market St., Nos. 233-35, boiler-house; owners, Schrack & Sherwood, 233-35 Market St.
- Sedgely Ave., s s, opp. Twenty-eighth St., one-st'y hot-house; builder, E. A. Roth, 2033 North Twenty-third St.
- Lehigh Ave. and Front St., one-st'y brick laundry; builders, Thos. Little & Son, 217 Pear St.
- Trenton St., e s, s Allegheny Ave., three-st'y brick

BUILDING INTELLIGENCE.

(Miscellaneous Continued.)

- mill; owners, Brehm & Steele, Stenton and Allegheny Aves.
- Wood St., Nos. 1307 1309, two-st'y morgue; builders, R. C. Ballinger & Co., 218 North Thirteenth St.
- South St., s s, e Sixteenth St., brick market-house; builder, John J. Raney, s s, e Sixteenth St.
- Second St., bet. Huntington St., plans for the Saxonia Maennerchor Hall; architect, R. Godeffroy, 1219 Arch St.
- North Seventh St., No. 14, plans for a six or seven-st'y brick stone and iron publishing house; architect, Chas. M. Burns, Jr., 717 Walnut St.
- American and Dauphin Sts., six-st'y building for the Abram Cox Stove Co.
- Pittsburgh, Pa.—South Twelfth St., stone and brick block; owner, Jos. Plaeger; builders, Benz Bros.
- Sanderton, Pa.—Brick business buildings for Lander & Cronthamel and J. M. Landis & Co.
- St. Louis, Mo.—One-st'y brick freight-house, w s Eighteenth St., bet. Poplar and Clarke Aves.; cost,

(Miscellaneous Continued.)

\$26,000; owners, Pacific Express Co.; contractors, B. Weber & Son.
Swarthmore, Pa.—Plans for a hall for the Somerville Literary Society at Swarthmore College.
Worcester, Mass.—Bloomington Road, brick finishing tannery; owners and contractors, Graton & Knight.
Mill St., two-story frame boat-house; owner, Chas. Rebboli; contractor, B. W. Stone.
June St., brick and stone farm-house; owner and builder, J. A. Norcross.

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OFFICE BOARDS OF PUBLIC LIBRARY AND MUSEUM.
MILWAUKEE, WIS., September 7, 1893.
Notice is hereby given by the joint Boards of the Public Library and the Public Museum of the City of Milwaukee, to procure sketch-plans and outline-specifications for the Public Library and Museum building to be erected on block 174, in the Fourth Ward in the City of Milwaukee.

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

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

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

All plans will be submitted to the joint Boards for selection and approval, and the architect whose plans have been selected and adopted will be employed to furnish the detail and working drawings, and to superintend the erection of the building at the rate of five per cent, as fixed by the joint Boards.

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

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

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

Signed,
MATTHEW KEENAN,
President Public Library Board.
GEORGE W. PECKHAM,
President Public Museum.
AUGUST HANKE,
Chairman, of Building
A. E. SMITH,
Secretary, Committee.
928

PROPOSALS.

MOSAIC WORK.
(At Boston, Mass.)

OFFICE OF CHARLES BRIGHAM, ARCHITECT,
27 MT. VERNON ST., BOSTON, MASS.
Proposals for Mosaic Work for the Massachusetts

(Proposals Continued.)

State-house Extension. Office of Charles Brigham, Architect, 27 Mt. Vernon Street, Boston, Mass. Sealed proposals will be received at this office, until 12 o'clock M. Tuesday, October 10, 1893, for materials and labor required in the mosaic work for the Massachusetts State-house Extension, plans and specifications of which may be seen at the office of the architect on and after Tuesday, September 19, 1893.

The commissioners reserve the right to reject any and all bids, and bids received after the time named, will not be considered.

Bids to be marked "Proposals for Mosaic Work for the Massachusetts State-house Extension, Boston, Mass."

JOHN D. LONG,
BENJ. D. WHITCOMB,
WILLIAM ENDICOTT, JR., } State-house
Construction
Commission.
926

Treasury Department, Office Supervising Architect, Washington, D. C., September 5, 1893. Sealed proposals will be received at this office until 2 o'clock P. M. on the 28th day of September, 1893, and opened immediately thereafter, for all the labor and materials required for the excavation, foundations, basement and area walls, basement columns and first-floor construction for the United States Court-house, Post-office and Custom-house at Sioux City, Iowa, in accordance with the drawings and specification copies of which may be had at this office or the office of the Superintendent at Sioux City, Iowa. No convict labor nor the product of any convict labor will be allowed in the work. Each bid must be accompanied by a certified check for a sum not less than two per cent of the amount of the proposal. The right is reserved to reject any and all bids, or to waive any defect or informality in any bid, if it is deemed in the interest of the Government to do so. All proposals received after the time stated will be returned to the bidders. Proposals must be enclosed in envelopes sealed and marked "Proposal for Excavation, Foundations, Basement and Area Walls, etc., for the United States Court-house, Post-office and Custom-house at Sioux City, Iowa," and addressed to JEREMIAH O'ROURKE, Supervising Architect. 926

Treasury Department, Office Supervising Architect, Washington, D. C., August 31, 1893. Sealed proposals will be received at this office until 2 o'clock P. M. on the 27th day of September, 1893, and opened immediately thereafter, for all the labor and materials required for the east-stone and brick work for the superstructure of the United States Post-office, Court-house and Custom-house building at Milwaukee, Wis., 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 Milwaukee, Wis. No convict labor nor the product of any convict labor will be allowed in the work. Each bid must be accompanied by a certified check for a sum not less than two per cent of the amount of the proposal. The right is reserved to reject any and all bids, and to waive any defect or informality in any bid, if it is deemed in the interest of the Government to do so. All bids received after the time stated will be returned to the bidders. Proposals must be enclosed in envelopes sealed and marked "Proposal for the Stone and Brick Work for the Superstructure of the United States Post-office, Court-house and Custom-house building at Milwaukee, Wis.," and addressed to JEREMIAH O'ROURKE, Supervising Architect. 925

Proposals for Marble, Iron and Wood Work, Glass and Pipe-covering. Office of Building for Library of

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PROPOSALS.

(Proposals Continued.)

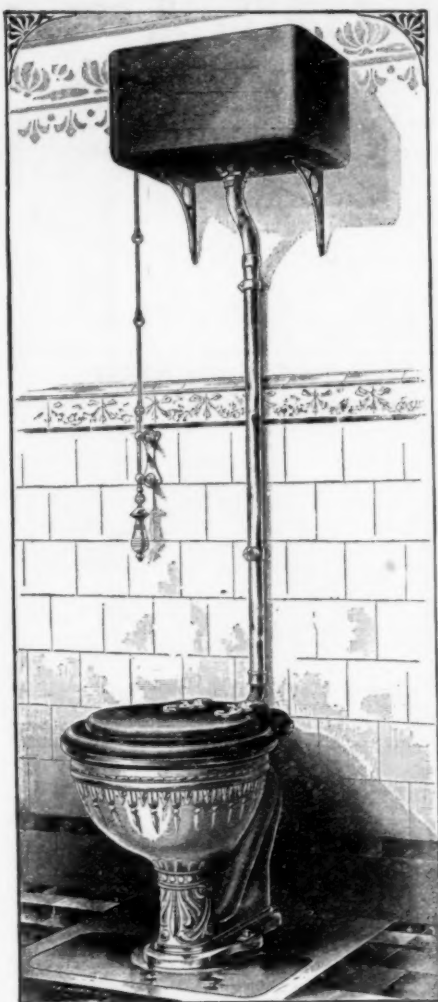
Congress, 145 East Capitol Street, Washington, D. C., September 7, 1893. Separate sealed proposals will be received at this office until 2 o'clock P. M. on Saturday, the 23rd day of September, 1893, and opened immediately thereafter in presence of bidders, for furnishing and delivering at the Building for the Library of Congress, in this city, the following materials and work, namely: 1. White marble deck flags for book-stacks. 2. Cast-iron door and window frames and casings, etc. 3. Two wrought-iron travelling scaffolds for rotunda. 4. Mahogany and pine window-sash, etc., and book-stack seats. 5. Window-glass. 6. Non-conducting pipe-covering. All of items 1 and 6 and portions of items 2 and 3 will be put in place by the contractor. Specifications, general instructions and conditions and blank forms of proposal may be obtained on application to this office. BERNARD R. GREEN, Superintendent and Engineer. 925

United States Engineer Office, Mobile, Ala., August 28, 1893. Sealed proposals for improvement of Mobile Harbor, Ala., dredging in Mobile River, Ala., will be received at this office until 12 M. Thursday, September 28, 1893, and then publicly opened. Specifications, blank forms and all available information will be furnished on application to this office. A. N. DANRELL, Major of Engineers, U. S. A. 926

ALPHABETICAL LIST OF ADVERTISERS.

The (E) indicates that the advertisement may be found in the last or the following issue: the (M) that it may be found in the first issue for each month.

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Engineering Employment Bureau.....	xvii	Y.		Z.		Other	
Eastbrook Pen Co.....	xv	Z.		Other		Other	



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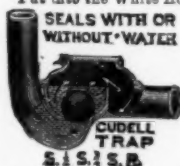
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THE COLUMBUS **SINK** REPLACES.
WROUGHT STEEL ALL OTHERS

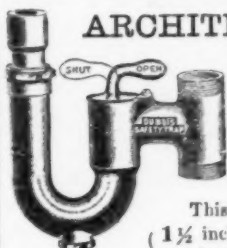
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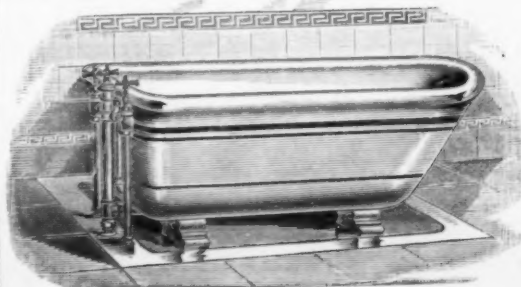
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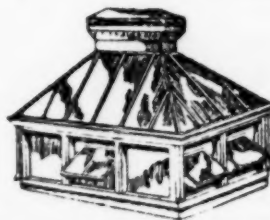
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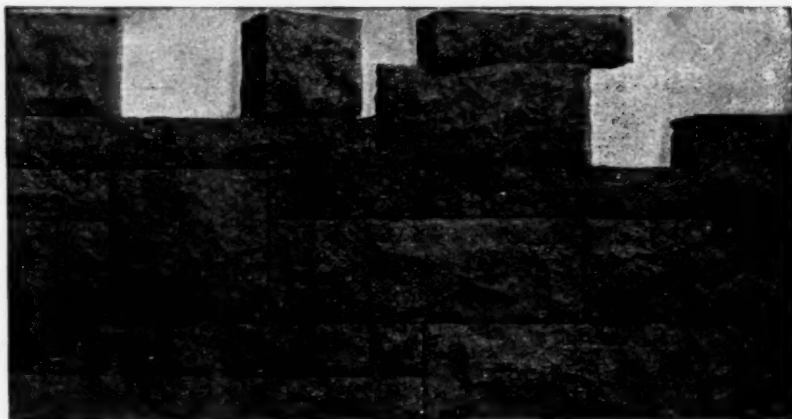
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[See Alphabetical Index on page XVI for Pagination.]

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

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Bone Bricks. Spaulding & Moss, Boston, Mass. (cont)
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Cement. Lawrence Cement Co., New York, N. Y.
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Cement. Allen's Cement Works, New York, N. Y. (cont)
Cement. Brooks, Shoolbridge & Co., New York
Cement. Fleming Cement & Brick Co., New York (cont)
Cement. Johnson & Wilson, New York
Cement. J. B. King & Co., New York
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Conductors (Water). Boston Spiral Tube Works, Boston
Conductors (Water). Souderless Standing-Room Conductor Co., Allegheny, Pa.
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Elevators, etc. Graves Elevator Co., Rochester, N. Y.
Elevators, etc. Volney W. Mason & Co., Providence, R. I.

Elevator, etc. (Continued). Moore & Wyman, Boston
Elevator, etc. (Continued). Morse, Williams & Co., Philadelphia
Elevator, etc. (Continued). Otis Brothers & Co., New York
Elevator, etc. (Continued). Springfield Foundry Co., Springfield, Mass.
Elevator, etc. (Continued). Standard Elevator Co., Chicago, Ill.
Elevator, etc. (Continued). Whittier Machine Co., Boston
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Floors (Hardwood). Wood Mosaic Co., Rochester, N. Y. (cont)
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Gates. Wm. H. Pitt, New York, N. Y. (cont)
Glass (Bent). M. A. Smith Newark, N. J. (cont)
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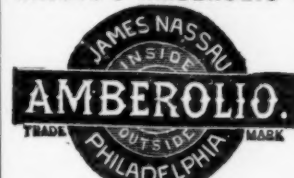
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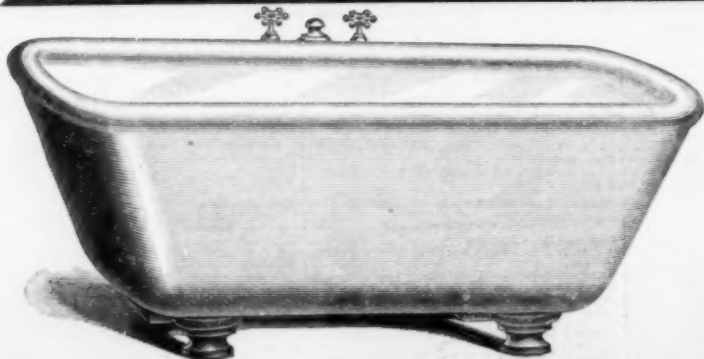
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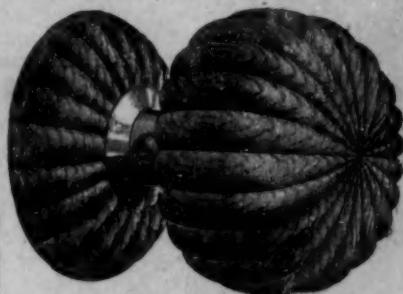
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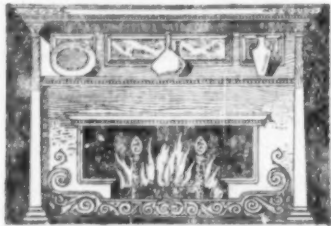
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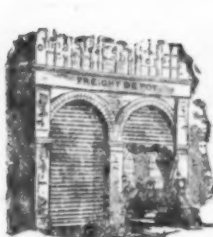
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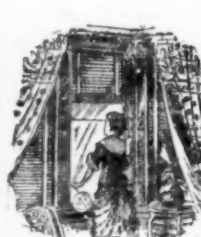
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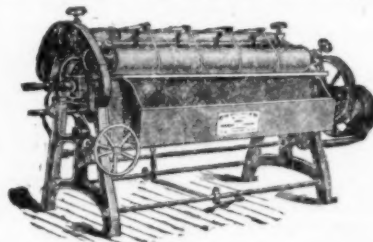
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VOL. XLI.

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ENGINEERING

DECORATION

TICKNOR & COMPANY

CONSTRUCTION

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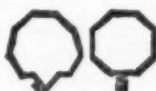
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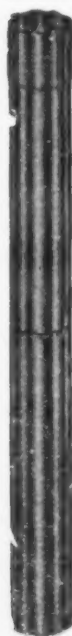
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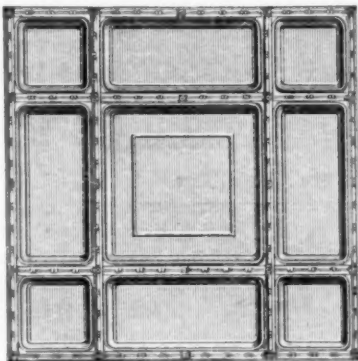
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BRICK.—P. M.				
Common: Cargo afloat.				
Pale.	2 00 @ 2 25	Eastern	Building Brick	Sq. Hard @ 9 00
Jersey.	3 75 @ 4 25	9 00 @ 10 00	@ 5 00	" @ 7 00
Long Island.				Salmon @ 5 00
Up River.	4 00 @ 5 00			Sq. " @ 9 00
Haverstraw Bay 2d.	4 50 @ 4 75			Light Stretchers
" 1st.	5 00 @ 5 25			@ 10 00
Hollow.	@ 13 00			Medium " @ 12 00
Fronts:				Red " @ 13 00
Croton, Brown.	9 00 @ 12 00			Dark " @ 13 00
" dark.	10 00 @ 13 00			Pressed " @ 13 00
" red.	10 00 @ 13 00			Best Paving @ 20 00
Chicago pressed (Anderson).				Second " @ 14 00
" Moulded.				Third " @ 13 00
Baltimore.	37 00 @ 41 00			Dom. { @ 65
Philadelphia.	23 00 @ 24 00			{ @ 82
Trenton.	@ 19 00			
Milwaukee.				
Moulded:				
Glens Falls Red Pressed.	@ 37 00			
" Buff.	@ 30 00			
" Moulded Red & Buff	45 00 @ 70 00			
Enamelled: Imp.				
Enamelled (edge).	85 00 @ 100 00			
Enamelled (edge and end).	90 00 @ 115 00			
CEMENT, LIME, etc.—(P. cash.)				
Rosendale Cement.	95 @ 1 10	1 15 @ 1 25	Not sold.	1 30 @ 1 50
Louisville.		Brooks, S. & Co.	1 05 @ 1 15	BS&Co 2 75 @ 3 00
Utica, Akron, Buffalo, Milw'kee.	Not sold.	2 40 @ 2 75	1 00 @ 1 10	2 85 @ 3 25
Portland, English (Gibbs).	2 25 @ 2 50	2 40 @ 2 75	3 00 @ 3 10	2 85 @ 3 15
" (K. B. & S.).	2 50 @ 3 00	2 40 @ 2 75	3 00 @ 3 25	2 75 @ 3 00
" Black Cross.	2 25 @ 2 50	2 40 @ 2 75	3 00 @ 3 25	2 85 @ 3 15
" (Burnham).	2 50 @ 2 50	2 40 @ 2 75	3 00 @ 3 15	2 75 @ 2 85
" (White's).	2 65 @ 3 00	2 40 @ 2 75	3 00 @ 3 25	
" French (Lafarge).	3 60 @ 3 75	@ 5 00	3 75 @ 4 25	
" German (Alsen).	2 90 @ 3 25	3 00 @ 3 50	@ 3 20	Hemmoor 2 50 @ 2 75
" (Fewer).	2 25 @ 2 40		3 20 @ 3 40	2 75 @ 2 85
" (Vorwohler).	2 50 @ 2 90			
" (Lagerdofer).	@	2 40 @ 2 75	2 75 @ 3 00	2 60 @ 2 75
" (Dyckerhoff).	2 60 @ 2 90	3 00 @ 3 50	3 25 @ 3 50	3 00 @ 3 25
" (Hanover).	2 50 @ 3 00	Condor 2 50 @ 2 75	Not sold.	2 75 @ 2 85
" Stettin (Anehor).	2 35 @ 2 85	Wedge 2 40 @ 2 75	Not sold.	
" American (Saylor's).	2 15 @ 2 25	2 15 @ 2 50	2 60 @ 2 70	2 70 @ 3 00
Roman.	2 75 @ 3 00	@ 3 50	2 75 @ 3 25	3 00 @ 3 50
Keene's coarse.	4 50 @ 5 30	@ 6 00	6 00 @ 7 00	6 50 @ 7 00
" superfine.	5 00 @ 5 50	7 00 @ 9 00	9 00 @ 10 50	8 00 @ 9 00
Lime:				
Lime of Tell.	3 50 @ 4 00		Not sold.	White Lime P bush 25 @ 30
Hydraulic Lime.	@ 1 45	@ 1 35	60 @ 70	{ White Mash 1 25 @ 1 50
Chicago Lime in bulk.		St. John 1 00	60 @ 70	{ 1 00 @ 1 00
Wisconsin Lime.	@ 1 10	@ 1 05	Not sold.	
Rockland and Rockport, (Com.).	@ 95	@ 1 20	Not sold.	
Rockland and Rockport, finish.	@ 1 10	Not sold.	Not sold.	
Kelley Island Lime, finish.	@	Not sold.	1 00 bulk, 75c.	
State, com. cargo rates (nom.).	80 @ 85	Not sold.	Not sold.	
State, finishing.	1 05 @ 1 10	1 85 @ 2 00	Not sold.	
Plaster of Paris (calcined).	1 40 @ 1 50	@ 2 25	1 85 @ 1 90	Not sold.
" (casting).	@ 1 60	25 @ 30	1 85 @ 1 90	1 50 @ 2 25
Hair (Cattle) P bush.	16 @ 18	@ 30	16 @ 20	1 75 @ 2 50
" (Goat).	18 @ 21	1 75 @ 1 90	30 @ 35	20 @ 25
Sand, P load.	1 00 @ 1 25		@ 60	30 @ 35
STONE. (P cubic foot, rough.)				@ 1 50
Granite: (Maine)				
Limestone:				
Bedford.	45 @ 1 25	95 @ 1 00	50 @	75 @ 85
Joliet.	1 00		35 @ 55	Richmond 75 @ 85
Lamont.			35 @ 60	P 75 @ 1 50
Serpentine.			@ 1 00	Parch 4 50 @ 5 50

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Dimension.....	5 00	5 00	5 00	5 00
Block.....	4 60	4 60	4 60	4 60
Rubble.....	1 25	1 25	1 25	1 25
Bluestone: (P sq. ft.)				
Sidewalk.....	30 @ 5 00	40 @ 1 75	75 @ 1 00	1 in. th. 10 @ 25
Planed.....	50 @ 6 00	75 @ 75	50 @ 1 00	37 @ 50

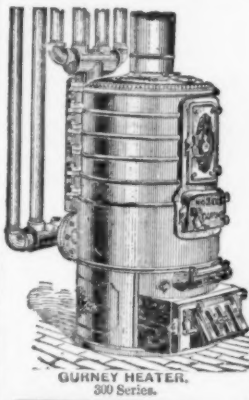
Sandstone:				
Longmeadow.....	80 @ 80	80 @ 90		95 @ 1 05
Kibbe.....	90 @ 90	90 @ 1 10		
Brown (Connecticut).....	1 00 @ 95	1 25 @ 1 45	1 50 @ 2 00	1 05 @ 1 25
Amherst Ohio.....	90 @ 95	90 @ 1 00	45 @ 50	85 @ 95
Berea.....	75 @ 1 00	85 @ 90	45 @ 55	55 @ 75
Berlin.....	75 @ 1 00	80 @ 90	55 @ 65	85 @ 95
Belleville.....	80 @ 1 25	1 25 @ 1 35	1 25 @ 1 25	1 00 @ 1 10
New Brunswick (Dorchester).....	80 @ 1 00	75 @ 90		1 05 @ 1 15
Caen.....		2 00 @		1 25 @ 1 35
Carlisle, English.....	1 05 @	1 05 @		95 @ 1 05
Corse Hill (Scotch).....	1 05 @	1 05 @		95 @ 1 05

Marble: (P cu. ft.)				
Leo, Mass.....		1 75 @ 2 50	Not Sold.	2 00 @ 2 50
Rutland, white and blue.....		3 00 @	3 50 @ 6 00	2 00 @ 3 00
Sutherland Falls.....	1 25 @ 1 75	2 00 @	3 50 @ 6 00	1 70 @ 3 00
Glens Falls, black.....			Not Sold.	4 00 @ 4 50
Italian, blue-veined.....			4 40 @	2 00 @ 2 75
" Sienna.....			Not Sold.	5 00 @
Tennessee, red.....			4 40 @	4 00 @ 6 00
" Knoxville.....			4 40 @	3 00 @ 4 00
Pennsylvania, blue.....			Not Sold.	2 00 @ 3 00
Vermont, white.....			3 50 @ 6 00	2 25 @ 3 00

State: Roofing (P square).				
" green.....	5 00 @ 6 00	4 75 @ 5 25	5 50 @ 6 10	2 30 @ 3 00
" unfading.....	5 00 @ 6 00	5 50 @ 6 50	6 50 @ 7 10	3 25 @ 3 75
" purple.....	5 00 @ 6 00	5 50 @ 6 50	6 50 @ 7 10	3 50 @ 4 50
" red.....	10 00 @	10 00 @ 11 00	12 00 @ 14 00	5 00 @ 10 25
" black, Lehigh.....	4 25 @ 4 75		6 25 @ 6 85	25 @ 4 00
" " Chapmans.....			7 30 @ 8 00	00 @ 4 65
" Unfading black, Monson, Mo.....	5 50 @ 8 00	5 50 @ 8 00	6 00 @ 9 00	5 50 @ 8 00
Tiles, Am.....			Not Sold.	6 00 @ 25 00
N. Peach Bottom, warranted unfading.				6 00 @ 6 75

PAINTS. (In Oil P lb.)				
White lead, Am.....	7 @ 7 1/2	6 1/2 @ 7	7 @ 7 1/2	@ 7 1/2
" zinc.....	5 @ 8 1/2	6 @ 8	5 @ 10 1/2	@ 7 1/2
Red lead, Am.....	6 1/2 @ 7	6 1/2 @ 7	1 1/2 @ 2 1/2	@ 7 1/2
" Venetian.....	65 @ 70	70 @ 5 dry	65 @ 68	dry Eng. @ 76
" Vermilion.....	12 @ 20	12 @ 20	12 @ 20	Eng. 6 1/2 @ 7
" Indian, Eng.....	6 @ 15	7 @ 12	3 @ 15	dry Am. @ 14
Yellow Ochre.....	12 @ 20	18 @ 25	15 @ 25	@ 18
" Chrome.....	8 @ 13	8 @ 20	8 @ 20	@ 21
Green (chrome).....	25 @ 40	25 @ 40	18 @ 35	" 15 @ 20
Black, lamp.....	15 @ 25	15 @ 25	8 @ 30	8 @ 12
Blue, ultramarine.....	12 @ 18	18 @ 30	12 @ 35	10 @ 24
Oil, linseed, (raw).....	55 @ 62	39 @ 40	57 @ 60	@ 60
" " boiled.....	58 @ 65	42 @ 43	60 @ 63	@ 63
Turpentine.....	36 @ 37	34 @ 34	40 @ 42	@ 44
Varnish, coach.....		1 50 @ 3 00	1 25 @ 2 00	125 @ 3 00
Shellac.....		2 50 @ 3 00	2 25 @ 4 00	150 @ 3 00
Putty.....	2 @ 4	2 @ 4	2 @ 4	2 @ 2 1/2
Whiting.....	75 @ 1 00	1 @ 1 1/2	1 @ 1 1/2	2 @ 1
Paris white, (Eng).....	1 30 @ 2 00	2 @ 3	1 1/2 @ 2	1 1/2 @ 2
Litharge, Am.....	5 1/2 @ 6	6 1/2 @ 7	6 @ 7	4 @ 7 1/2
Sienna (burnt).....	14 @ 20	14 @ 20	4 @ 16	4 @ 14
Umber.....	14 @ 20	14 @ 20	2 @ 10	2 @ 13

HARDWARE.				
Nails: (Per Cask.) Spikes, (wrought.)	@ 2 85	@	2 35 @ 3 50	per keg @ 2 25
10d. common.....	@ 2 60	@ 2 20	@ 1 95	@ 2 30
Shingle.....	@ 3 35	@ 2 65	@ 2 35	@ 2 60
Lath.....	@ 4 85	@ 3 20	@ 3 25	3 60 @ 4 75
(Finishing nails according to size.)	@	@	Add .85 to \$2.25	per lb 4 @ 6
(For casing nails add 75 c. per keg.)	@	@	".50 to .90	Add per cask
Butts: 4" x 4".....(P doz. pairs.)				2 90 (all kinds.)
Plain.....	@ 1 00	@ 1 20	@ 90	@ 50
Japanned.....	@ 1 50	@ 1 75	Not Sold.	1 35 @ 2 00
Acorn, Japanned.....	@ 1 50	@ 1 90	2 00 @ 3 75	1 35 @ 2 75
Ball Tip, Boston Finish.....(P pair.)	@ 65	@ 50	Not Sold.	48 @ 50
Bronze metal.....	@ 1 90	plain 1 65	2 00 @ 3 25	@ 1 25
Brass (for cupboards).....	@ 10	@ 10	@ 12	@ 1 00
Ebony.....	@	@	@	@ 35
Apple wood.....	@	@	@	37 @ 1 00
Knobs: (P set.)				@ 08
Mineral, best.....	@ 8	@ 8	8 @ 10	Not Sold.
Lava.....	@ 50	@ 75	65 @ 80	25 @ 50
Homacite.....	Not Sold.	17 @ 35	31 @ 40	@ 25
Porcelain.....	@ 30	@ 10	25 @ 30	
Glass, solid.....	Not Sold.	@ 50	Not Sold.	
Glass, silvered.....	Not Sold.	88 @ 1 00	@ 1 50	1 00 @ 2 50
Bronze metal.....	75 @ 2 00	50 @ 3 00	50 @ 3 00	1 75 @ 2 00
Brass.....	1 00 @ 2 50	50 @ 3 00	1 00 @ 3 00	60 @ 3 50
Solder:				75 @ 1 25
Sheet Lead.....	@	@ 7 1/2	14 @ 16	13 1/2 @ 16
Lead Pipe.....	@	@ 6 1/2	5 1/2 @ 6	@ 6 1/2
Iron:				@ 6
I-Beams, up to and including 30 ft.....	3 3-10 @ 3 1/2	@ 3 4-10	@	@ 2 8-10
do. over 30 ft., 1/2 c. adv. for every 5 ft.	3 3-10 @ 3 1/2	@ 3 4-10	2 50 @ 2 75	@ 2 8-10
Channel Beams.....	3 3-10 @ 3 1/2	@ 3 4-10	80 @ 2 75	@ 2 8-10



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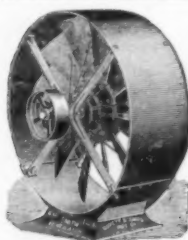
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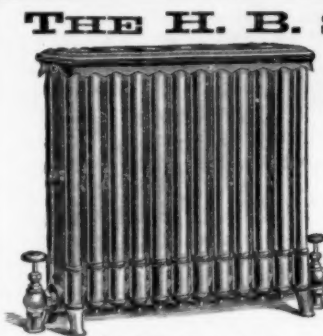
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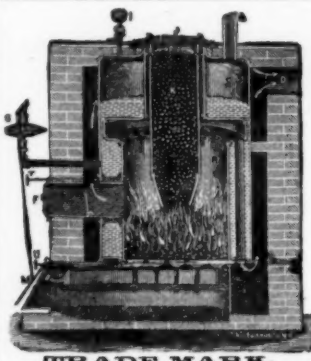
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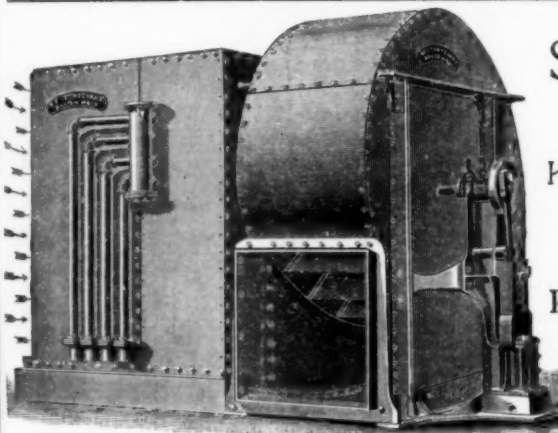
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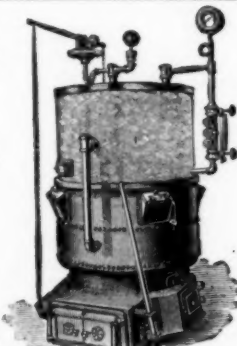
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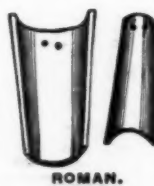
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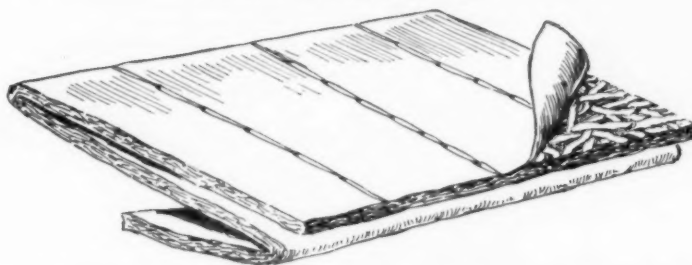
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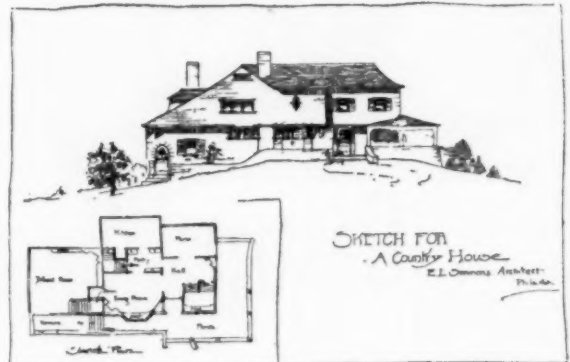
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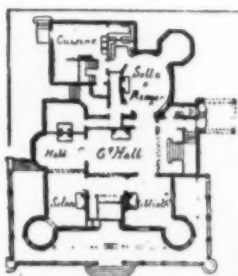
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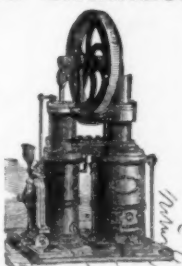
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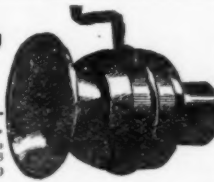
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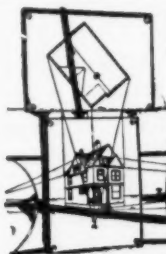
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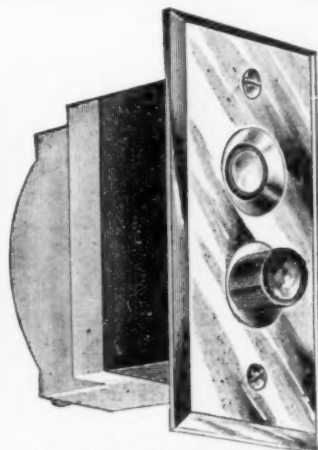
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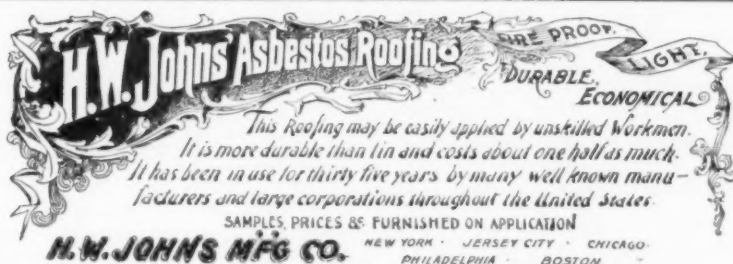
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Boston, Mass. — Centre St., cor. Penryth St., Ward 21, brick church, pitch roof, 66' x 126'; owner, J. J. Williams.

Stratford Ave., cor. Clement Ave., Ward 23, one-sty brick church, pitch roof, 36' x 95'; owner, F. J. Herthel et als.; builders, Flynn & Boland.

Bristol Pa. — Jefferson St., new St. Paul Mission.

Brooklyn, N. Y. — Twenty-seventh St., s s, 175' e Fourth Ave., frame church, tin roof; cost, \$15,000; owner, Norwegian Trinity Church, on premises; architect, D. C. Ernest Lawb, Eagle Building; builders, Spencer Bros., Fifty-second St. and Third Ave.

Throop Ave., n e cor. Thornton St., brick church, slate roof; cost, \$85,000; owner, All Saints' R. C. Church; architects, Wm. Schickel & Co., 246 Fifth Ave., New York City.

Chester, Pa. — Kerlin St., near Third St., Holy Trinity Lutheran Church; cost, about \$6,000; pastor, Rev. I. Chantry Hoffman.

Fulton and Seventh Sts., stone church for the First Baptist Church; architect, Isaac Pursell, 119 South Fourth St., Philadelphia.

Chicago, Ill. — German Congregational Church, church, 3521 Dearborn St.; cost, \$3,000.
St. Monica Catholic Church, church, 3556-3558 Dearborn St.; cost, \$9,000.
Onward Presbyterian Church, school-room, 245-247 Leavitt St.; cost, \$5,000.

Detroit, Mich. — J. L. Gearing & Sons, brick church, 403 Warren Ave., West; cost, \$10,000.
Jos. Wolff, frame church and dwell, 426 Trumbull Ave.; cost, \$4,800.

Dunbar, Pa. — Dunbar and First Sts., Baptist Church.

East Greenville, Pa. — New Goshenhoppen Church, Gothic style; architect, M. B. Bean.

Harrison Square, Mass. — Stone chapel, 34' x 74', for the Unitarian Society; builders: Butler Bros., masons; John Fraser, carpenter; architect, Edwin J. Lewis, Jr., Boston.

Kintnersville, Pa. — Union Sunday School chapel; pastor, Rev. B. R. Ferer.

Long Branch, N. Y. — New St. Luke's Church.

Oxford, Pa. — United Presbyterian Church; architect, Isaac Pursell, 119 South Fourth St., Philadelphia; builder, Milton Walker.

Passaic, N. J. — Contracts have been let for brick and frame church for the Slavonian Church of the Assumption; cost, \$5,500; architect, George Paliser, New York.

Penbrook, Pa. — New Lutheran church.

Philadelphia, Pa. — Broad St., w s, s Tioga St., brick church; builders, Paul J. Essick & Sons, 1216 Filbert St.

Quakertown, Pa. — Brick and granite First Reformed Church; architect, M. B. Bean, Lansdale, Pa.

Quarryville, Pa. — Reformed church; builder, ex-Sheriff Brenneman.

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Brooklyn, N. Y. — De Kalb Ave., s e cor. Rockwell Pl., four-sty brick factory, gravel roof; cost, \$30,000; owners, Benziger Bros., Barclay St., New York City; architects, Wm. Schickel & Co., 246 Fifth Ave., New York City; builder, John Dobbins.

New York, N. Y. — West Fifty-eighth St., Nos. 536-538, five-sty brick factory, gravel roof; cost, \$30,000; owners, Jefferson R. E. Co., 540 West Fifty-eighth St.; architects, Cleverdon & Putzell, 13 Astor Pl.

West Thirtieth St., No. 40, seven-sty brick factory, tin roof; cost, \$35,000; owner, George A. Harn, 46 East Sixty-ninth St.; architects, John B. Snook & Son, 12 Chamber St.

St. Louis, Mo. — Four-sty brick factory, w s Iron Mountain Ky., bet. Neosha and Dakota Sts.; cost, \$6,000; owners and contractors, Herf & Friebe Chem. Co.

Worcester, Mass. — Cypress St., three-sty brick and stone factory; owners, Chas. Baker & Co.; contractor, O. M. Ball; architect, W. H. Harvey.

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HOUSES.

Boston, Mass. — Hillside St., near Calumet St., Ward 22, three-sty frame dwell., pitch roof, 25' x 55'; owner, J. R. Doyle; builders, Tighe & Fraser.

Bremen St., No. 140, Ward 2, three-sty frame dwell., flat roof, 21.6' x 45'; owner, Patrick H. Hines; builder, J. H. Coffin.

Fuller St., near Morton St., Ward 24, frame dwell., 30' x 47.6'; owner, G. F. Murray; builders, G. F. Murray & Co.

Paris St., No. 168, Ward 1, three-sty frame dwell., flat roof, 23' x 47'; owners, D. J. & T. F. Federling; builder, D. J. McInnis.

Mazewell St., near Capen St., Ward 24, frame dwell., 24' x 30'; owner, Mrs. E. J. Macaulay; builder, W. A. Macaulay.

Clarendon Ave., near Hilborn St., Ward 23, frame dwell., 22' x 28'; owner, Emil Strecker; builder, Alex. Rogers.

Sydney Pl., off Waterlow St., Ward 24, frame dwell., 29' x 42'; owner, Wm. Broomer; builder, J. E. Bishop.

Border St., near Monmouth St., Ward 1, 2 three-sty frame dwell., flat roofs, 20' x 34'; owner, G. W. Hargrave; builder, G. F. Hargrave.

Longwood Ave., cor. Bunstead Lane, Ward 22, three-sty frame dwell., flat roof, 28' x 50'; owner, Maurice Moyland; builder, M. J. Curley.

Cobden St., near Washington St., Ward 21, three-sty frame dwell., flat roof, 21.6' x 52'; owner and builder, J. J. Johnston.

Moore St., near Bennington St., Ward 1, two-sty frame dwell., flat roof, 21' x 53'; owner and builder, Albion Johnson.

Notre Dame St., near Bragdon St., Ward 23, three-sty frame dwell., hip roof, 25' x 38'; owner, W. McKay; builders, Alcock & McKay.

Corey St., near Centre St., Ward 23, frame dwell., 40' x 51.6'; owner, Dr. C. F. Moulton; builder, W. S. Mitchell.

Cushing Ave., near Sawyer Ave., Ward 24, frame dwell., 25' x 40'; owner, Geo. Winebank; builder, David Currie.

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Gaston St., cor. Otisfield St., Ward 21, frame dwell., 27' x 37'; owner and builder, Peter Graffam.
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Cobden St., near Washington St., Ward 21, three-sty frame dwell., flat roof, 21.6' x 52'; owner and builder, J. J. Johnston.

Brooklyn, N. Y.—*Degray St.*, s. s. 200' w Van Brunt St., 2 five-sty brick dwell., tin roofs; cost, \$28,000; owner and builder, A. P. Blixt, 577 Carroll St., architect, John L. Young, 287 Halsey St.

Jewel St., w. s. 300' s Norman Ave., two-sty frame dwell., tin roof; cost, \$3,000; owner, J. Kendel, 111 Diamond St.; architect, B. E. Lowe, 217 Eckford St.

Chicago, Ill.—H. R. Wilson, three-sty dwell., 4515 Grand Boulevard; cost, \$15,000.

L. A. Mann, two-sty dwell., 2602 Ashland Ave.; cost, \$4,000.

J. H. Snitzer, three-sty dwell., 3337-3339 Drexel Boulevard; cost, \$25,000.

Henry Megger, two-sty dwell., 4162 Harbor Ave.; cost, \$3,000.

W. C. Dow, three-sty dwell., 463 Orchard St.; cost, \$8,000.

Eugene Roddin, two-sty dwell., 57 Clader St.; cost, \$10,000.

Cincinnati, O.—Jas. W. Jaynes, owner and architect, two-and-one-half-sty brick and stone dwell., e. s. Glendora Ave.; cost, \$3,800.

H. Dultmeir, two-and-one-half-sty brick and stone dwell., Queen City Ave.; cost, \$3,500; architect, Ed. Schlottemer.

H. H. Wessling, double two-and-one-half-sty brick and stone dwell., 61 Bay St.; cost, \$5,600; architects, Graulin & Hoonan.

Wm. Dohman, owner and architect, two-and-one-half-sty frame dwell., s. s. Glendon Ave.; cost, \$1,800.

S. Heyl, two-sty frame dwell., s. s. Ekenkrecker Ave.; cost, \$3,000; architects, Sweeney & Robinson.

H. Grunkmeyer, two-and-one-half-sty frame dwell., Mead Ave.; cost, \$1,800; architect, Wm. Mayer.

D. W. C. Bellville, owner and architect, two-and-one-half-sty frame dwell., n. s. Eighth St.; cost, \$2,500.

T. J. Byrne, two-and-one-half-sty frame dwell., w. s. Marshall Ave.; cost, \$2,500; architect, E. R. Fischer.

Detroit, Mich.—George W. Larkins, two-sty brick dwell., 226 Hancock Ave.; cost, \$5,500.

R. J. Crawford, two frame dwells., 949-951 Seventh St.; cost, \$6,000.

W. J. Cooper, brick dwell., 2082 Harper Ave.; cost, \$3,500.

John H. Ley & Son, fifteen frame dwells., 1, 5, 9-27 Lauman St.; cost, \$18,000.

W. I. Livingston, brick dwell., 50 Bethune Ave.; cost, \$6,000.

A. Chapoton, three brick dwells., 261-263 Third St.; cost, \$9,000.

E. Garlepy, frame dwell., 104-106 Dalzelle St.; cost, \$3,500.

E. Garlepy, two frame dwells., 301-303 Fourteenth Ave.; cost, \$4,500.

Shattock & Davis, frame double dwell., 31-33 Mott St.; cost, \$3,500.

R. E. Itseman, frame dwell., 50 Euclid Ave.; cost, \$3,200.

H. W. Kaper, frame dwell., 389 Campbell Ave.; cost, \$3,000.

H. W. Holcomb, three-sty brick double dwell., 539-541 Greenwood Ave.; cost, \$7,000.

Henry Carew & Co., three-sty brick dwell., 1181 Woodward Ave.; cost, \$42,000.

Dorchester, Mass.—*Routin St.*, frame dwell., 30' x 30'; owner, William H. Vannevar; contract to be let; architect, Edwin J. Lewis, Jr., Boston.

Beaumont St., frame dwell., 29' x 39'; owner,

BUILDING INTELLIGENCE.

(Houses Continued.)

Mrs. H. P. Souther; builder, S. L. Sulis; architect, Edwin J. Lewis, Jr., Boston.

New Haven, Conn.—Frame dwell., 35' x 47'; owner, Prof. Jules Luquens; builders, Ritchie & Johnston; architect, Edwin J. Lewis, Jr., Boston.

Manchester-by-the-Sea, Mass.—Frame dwell., 32' x 57'; owner, Mrs. Sarah H. Gilbert; contract to be let; architect, Edwin J. Lewis, Jr., Boston.

Philadelphia, Pa.—*Mt. Pleasant St.*, n. s. e. Creshelm St., three-sty brick dwell.; builder, A. S. Tourison, 5514 Germantown Ave.

Ridge Ave., e. s. n. Sumac St., 4 three-sty brick dwell.; owner, A. A. Harmer, Freidland, Wissahickon.

Sumac St., n. s. e. Ridge Ave., 4 three-sty brick dwell.; owner, A. A. Harmer, Freidland, Wissahickon.

Germantown Ave., s. w. cor. Cayuga St., brick dwell.; owner, Jas. Mole, 1718 Cayuga St.

Hancock St., e. s. n. Cambria St., 10 two-sty brick dwell.; owner, F. W. Smaltz, 1545 Hutchinson St.

Richmond St., No. 3058, three-sty brick dwell.; builder, A. McClay, 5026 Richmond St.

Salmon St., No. 2983, two-sty brick dwell.; builder, A. McClay, 5026 Richmond St.

Lancaster Ave., e. City Line, 2 three-sty brick and stone dwell.; owners, Wendell & Smith, Overbrook.

York Road, e. s. s. Champlott St., two-and-one-half-sty stone and frame dwell.; owner, George H. Minner.

Clementine St., n. s. e. E St., 17 two-sty brick dwell.; owner, Charles E. C. Wardfield.

Westminster Ave. and *Forty-first St.*, 5 three-sty brick dwell.; owners, Anson, Shelly & Garton.

Venango St., s. s. e. Ninth St., 2 two-sty brick and stone dwell.; owner, F. N. Forsyth.

York St., e. s. s. Champlott St., two-sty brick dwell.; builder, Geo. H. Minor, 5282 Germantown Ave.

Tacony St., w. s. n. Margaretta St., two-sty brick dwell.; owners, Wilson Milnor & Co., s. w. cor. Penn and Allen Sts.

Germantown Ave., e. s. s. Dauphin St., two-sty brick dwell.; builders, Stahl Bros., 2347 North Thirtieth St.

West Morris St., No. 168, three-sty brick dwell.; builders, George Doring & Sons, 2040 Hancock St.

Wallace St., No. 1114, three-sty brick dwell.; builder, Andrew Moore, 2310 Spring Garden St.

Reed St., n. e. cor. Thirty-sixth St., 2 two-sty brick dwell.; owner, M. E. O'Brien, 728 South Nineteenth St.

Kater St., n. s. e. Sixteenth St., 3 two-sty brick dwell.; owner, James McKinney, 1647 South Thirtieth St.

Pittsburgh, Pa.—*Fifth Ave.*, brick dwell.; owner, William Fisher.

Wickliffe St., 2 brick dwell.; owner, Daniel Sweeney.

Tullymet St., brick dwell.; owner, Dr. I. E. Josephs.

Davis St., brick dwell.; owner, John Unger.

Providence, R. I.—*Dean St.*, n. s. e. bet. Spruce and Cedar Sts., four-sty frame dwell.; cost, \$1,500; owner, Andrea Santancino; builder, J. A. Anderson.

Briggs St., n. s. e. bet. Ocean and Pacific Sts., two-and-one-half-sty frame dwell.; cost, \$3,500; owner, James C. Wright; builder, E. W. Coffin.

Madison Ave., s. s. w. Grand Ave., two-and-one-half-sty frame dwell.; cost, \$4,000; owner, E. A. Cook; day-work.

Adelaide Ave., s. s. bet. Melrose St. and Elmwood Ave., two-and-one-half-sty frame dwell.; cost, \$5,000; owner, Clara A. Adams; builder, Mr. Saunders.

Public St., s. s. n. Burnside St., two-and-one-half-sty frame dwell.; cost, \$4,800; owners, John T. Kearney and wife; builder, Thomas W. Barry.

Reading, Pa.—*Buttonswood St.*, 7 three-sty brick dwell.; owner, W. A. Groesener.

Cotton St., several brick dwell.; owner, John W. Fife.

PHENIX IRON CO.

410 Walnut Street, - Philadelphia, Pa.

Manufacture all their products, both in

WROUGHT-IRON AND OPEN-HEARTH STEEL,

BEAMS, CHANNELS, ANGLES, ZEEs, TEES, ANGLE BULBS AND STRUCTURAL SHAPES OF ALL KINDS.

Round, Square and Flat Bars of all sizes.

SPECIALTIES:

PHENIX COLUMNS AND UPSET EYE-BARS

Of all sizes, in Iron or Steel.

ROOF TRUSSES, GIRDERS AND JOISTS FOR FIRE-PROOF BUILDINGS, FRAMED AND FITTED AS PER PLANS.

AGENTS:

New York: EDWARD CORNING & Co., 29 Broadway.

Chicago: A. C. STITES, 931 Rookery Building.

Boston: EDWARD CORNING & Co., 70 Kilby Street.

PASSAIC ROLLING MILL CO.,
PATERSON, N. J.

STEEL BEAMS

4 inches to 20 inches deep.

ALL STRUCTURAL SHAPES.

NEW YORK OFFICE, - - 45 BROADWAY.

BELMONT IRON WORKS, Limited.

Successors to

MANLY & COOPER MANUFACTURING CO.



Ornamental

AND

Architectural

IRON.

GUARDS—RAILINGS—STAIRS.

Twenty-Second Street and Washington Ave PHILADELPHIA, PA.

BUILDING INTELLIGENCE.

(Houses Continued.)

Somerville, Mass.—*Quincy St.*, frame dwell.; owner, Mr. Sears; builder, George Chaplin.

Gilman Terrace, frame dwell.; owner, Richard Falvey; builder, Sylvester Woods.

Highland Ave., near Cutter Ave., frame dwell.; owner and builder, T. C. Connor.

Perkins St., near Mt. Vernon St., frame dwell.; owner, John K. Whiting; builders, J. J. Coon & Co.

Springtown, N. J.—*Cement Works*, 12 brick dwell.; builder, Casper Laubach.

St. Louis, Mo.—Two-sty brick dwell., n. s. Evans St., bet. Sarah and Whittier Sts.; cost, \$4,800; owner and contractor, L. Bisantz.

Three-sty brick dwell., w. s. Twenty-first St., bet. Salisbury and Farrer Sts.; cost, \$3,000; owner, H. Becker; contractor, D. B. Schmitz.

Three-sty brick dwell., s. s. Compton St., bet. Magnolia and Shenandoah Sts.; cost, \$3,000; owner, J. F. Maynard; contractor, M. A. Moran.

Two-sty brick dwell., n. s. Rutger St., bet. Ohio and California Sts.; cost, \$4,500; owner, Mrs. J. Schloe; contractor, G. F. Mueller.

Two-sty dwell., s. s. Laclede St., bet. Taylor and Euclid Sts.; cost, \$12,000; owner, Miss Carroll; contractor, J. L. Green.

Two-and-one-half-sty dwell., n. w. cor. Grand and Floussant Aves.; cost, \$7,500; owner, L. Mahoney; contractor, G. Mukum.

Two-sty brick dwell., s. s. Arsenal St., bet. Portes and Alfred Aves.; cost, \$2,800; owner, Jos. Doswald; contractor, R. Rabiger.

Telford, Pa.—Brick dwell.; owner, Moses R. Shelly.

West Chester, Pa.—*Rosedale Ave.*, two dwell.; owners, West Chester Land and Improvement Co.

North Franklin St., dwell.; owner, Wm. P. Sharpless.

Dwell.; owner, Robert Comfort.

Worcester, Mass.—*Sutton Road*, three-sty frame dwell.; owner, J. Santom; contractor, G. Prefontaine.

Sever St., two-sty frame dwell.; owner, Miss Frances Lincoln; contractor, B. C. Jacques; architect, W. R. Emerson, Boston, Mass.

Bond St., one-and-one-half-sty frame dwell.; owner and contractor, Geo. Grant.

Yonkers, N. Y.—Jacob Klenger, double frame and stone dwell. and stable, Nepperhan Ave.; cost, \$4,650; architect, George Palliser, New York.

Mr. Buchanan, two-sty frame dwell.; cost, \$3,400; architect, George Palliser, 489 Fifth Ave., New York City.

PUBLIC BUILDINGS.

Carthage, Mo.—The building of a court-house, to cost \$100,000, is contemplated.

SCHOOL-HOUSES.

Philadelphia, Pa.—*Tasker and Seventeenth Sts.*, school-house; Wm. R. Dougherty.

STABLES.

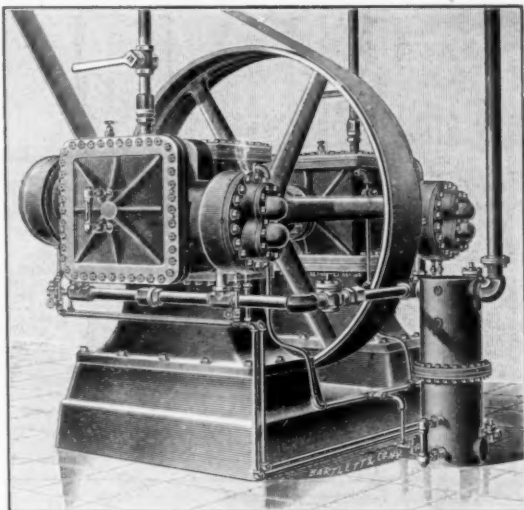
Boston, Mass.—*George St.*, rear, near North Beacon St., Ward 25, one-sty frame stable, pitch roof, 25' x 30'; owner and builder, M. R. Murphy.

Dobb's Ferry, N. Y.—Mr. Brown will build a frame stable; cost, \$1,500; architect, Geo. Palliser, New York.

Philadelphia, Pa.—*Elbow Ave.*, Fox Chase, two-sty brick stable; owner, John R. Miller, Fox Chase.

York St., n. s. s. Erie Ave., brick stable; builder, Louis B. Bitters, Wyoming Ave. and Second St.

ARTIFICIAL REFRIGERATION.



We invite the attention of Architects to the form of Refrigerating Apparatus which we manufacture, on account of its special fitness for Hotels, Apartment-houses, Clubs, Hospitals, Private Residences, and work of like character.

It may take power from the same shaft that runs the electric-lights, elevators, laundry, etc., or from an independent electric-motor or gas-engine.

It needs no special attendant, but becomes simply a part of the general plant in charge of the engineer.

It occupies only a fraction of the space of any other machine.

It is light running and noiseless, and has no equal in the economical use of water and power.

To illustrate. We fit up an Apartment-house, distributing refrigeration to all parts of the building;—equip permanent cooling boxes, both for the tenants and the steward, including freezing temperatures if required;—maintain a constant supply of drinking-water in block-tin coolers;—make ice for table use; freeze caraffes of water, ice creams, etc., for the restaurant—and at almost nominal cost for operation.

This is a department wholly distinct from the ordinary commercial uses of Refrigeration, and we are giving it the benefit of our best engineering.

Having patterns of compressors from one-fourth ton to one hundred tons of refrigeration per day, we cover the whole field, and are also Contractors for the heaviest class of work in Cold-Storage Warehouses, Breweries, Artificial-Ice Factories, etc. We solicit correspondence.

WESTINGHOUSE, CHURCH, KERR & CO. Engineers

620 Atlantic Avenue, Boston,
17 Cortlandt Street, New York.
156 and 158 Lake Street, Chicago.

Commercial Building, St. Louis.
Westinghouse Building, Pittsburgh.
Drexel Building, Philadelphia.

BUILDING INTELLIGENCE.

(Stables Continued.)

South Front St., No. 1618, two-st'y brick stable; owner, W. H. Harris, 1620 South Front St.
York Road, w Haines St., two-st'y brick stable; builder, Geo. Fossel, 4739 Chew St.
Wood St., s s w Gray St., one-st'y brick stable; owner, Dr. T. S. Boone, 123 Gay St.
Martin St., n s, o Pechin Ave., two-st'y brick stable; builder, Wm. Goodfellow, 405 Lyceum Ave.
Wyoming St., n s, cor. Fisher's Lane, two-st'y brick stable; owner, Edmund K. Welch, Olney St.
Glennwood Ave., o s, n Jefferson St., three-st'y brick stable; owners, F. A. Poth Brewing Co., Jefferson and Thirty-first Sts.
Khaum St., n s, e Verres St., two-st'y stable; builder, Jos. Ashby, Fox Chase.
Reese St., o s, n Lehigh Ave., three-st'y brick stable; builder, John Miller, 3919 North Sixth St.
Buckins St., s w cor. Edgemont St., one-st'y brick stable; owner, F. Kitzioria, Buckins and Edgemont Sts.
Bustleton Pike and Castor Road, one-st'y brick stable; builders, Schlett & Russell, Fox Chase.
Greenway Ave. and Seventy-first St., one-st'y brick stable; owner, R. H. Hoy, Seventy-first St. and Greenway Ave.

Somerville, Mass.—Irving St., frame stable; owner, H. E. Gary; builder, L. D. Richards.
Evergreen Ave., frame stable; owner, C. H. Hadley.

St. Louis, Mo.—Private stable, n s Portland Pl., near Lake St.; cost, \$6,000; owner, W. H. Thornberg; contractor, J. L. Green.

Worcester, Mass.—Canterberry St., one-and-one-half-st'y frame stable; owners, Cooperative Coal Co.; contractor, J. A. Gallagher.

Battle St., one-and-one-half-st'y frame stable; owner and contractor, J. G. Perry.

June St., one-and-one-half-st'y frame stable; owner, J. M. Newcomb; day-work.

West Boylston St., one-and-one-half-st'y frame stable; owner, C. E. Tyson; day-work.

Cambridge St., one-and-one-half-st'y frame stable; owner, Thos. Parker; contractors, Jenkins Bros.

STORES.

Boston, Mass.—Stillman St., No. 104, Ward 7, one-st'y brick store, flat roof, 10' x 18'; owners, Mary J. & Sarah S. Harkins; builder, J. A. McClellan.

Columbia St., cor. Essex St., Ward 12, five-st'y brick store, flat roof, 60' x 62'; owner, J. L. Little Estate; builders, L. P. Soule & Son.

Chicago, Ill.—Dr. Seger Carlson, 2 four-st'y stores and flats, 112-114 Forty-seventh St.; cost, \$18,000.
John Gillan, 2 two-st'y stores and flats, 800-802 Thirty-seventh St.; cost, \$10,000.

S. D. Walden, 7 one-st'y stores, 6438-6450 Wentworth Ave.; cost, \$4,000.

Cincinnati, O.—John B. Lanby, three-and-one-half-st'y brick store and stone dwell., 1143 Vine St.; cost, \$6,000; architect, Chas. Dias.

Jacob Moiz, two-and-one-half-st'y brick and stone store and dwell., e s Western Ave.; cost, \$4,500; architect, Martin Fisher.

Frank J. Jones, seven-and-one-half-st'y brick and

BUILDING INTELLIGENCE.

(Stores Continued.)

stone stores and flats, Elm and George Sts.; cost, \$5,500; architect, Sam. Hannaford & Sons.
Bernard Pope, four-st'y brick and stone stores and flats, n w Vine St.; cost, \$7,300; architect, Chas. Dias.

E. & J. Rawson, brick and stone stores and offices, n e Fourth and Elm Sts.; cost, \$10,000; architect, Jas. McLaughlin.

Philadelphia, Pa.—York St., n e cor. Twenty-seventh St., two-st'y brick store; owner, Godfrey Schmidheiser, 2222 North Twenty-seventh St.

Market and Tenth Sts., seven-st'y brick store; builder, Lewis Havens, 518 Girard Building.

Filbert and Tenth Sts., stores; owner, C. C. Harrison; architects, Cope & Stewardson.

Market St., No. 523, plans for an eight-st'y brick and stone store; architect, Thos. P. Lonsdale, Manhattan Life Building.

St. Louis, Mo.—Two-st'y brick store and dwell., s s Easton St., bet. Academy and Union Aves.; cost, \$8,000; owner, C. E. Tanner; contractor, A. O. Rouschenbach.

Five one-st'y brick stores, n s Market St., bet. Sixteenth and Seventeenth Sts.; cost, \$5,000; owner, C. E. Marreson; contractor, L. B. Wright.

Seven one-st'y brick stores, s s Chestnut St., bet. Sixth and Seventh Sts.; cost, \$6,000; owner, Emile Glogan; contractors, Corswell & Crawford.

Wyncote, Pa.—Plans for 2 two-st'y stone and frame stores; architect, Horace Trumbauer, 310 Chestnut St.

SCHOOL-HOUSES.

Worcester, Mass.—Chapin St., two-st'y brick and stone school-house; owner, City of Worcester; architects, Earle & Fisher; contractors, Henry Mellen & Son.

WAREHOUSES.

Chicago, Ill.—George Bullock, two-st'y warehouse, 221 East Van Buren St.; cost, \$20,000.

MISCELLANEOUS.

Boston, Mass.—Washington St., No. 1886, Ward 20, one-st'y iron storage, flat roof, 20' x 45'; owners, Keith & Wyeth; builder, E. Pollock.

Federal St., No. 272, rear, Ward 12, four-st'y brick printing-office, flat roof, 46' x 226'; owners, T. B. Wales, et al.; builders, W. S. Sampson & J. J. Shaw.

Pond St., rear, near Avon St., Ward 23, one-st'y frame creamery, hip roof, 15.10' x 27.4'; owner, Mrs. W. F. Weld; builder, J. B. McKay.

Harre St., near Meridian St., Ward 2, one-st'y frame hall, flat roof, 40' x 94.6'; owner, T. Arthur et al.; builder, Albion Johnson.

Camden, N. J.—Truck-house; builder, John Corbitt.

Chester, Pa.—Chester Creek, e Kerlin St. Bridge, power-house; owners, People's Railway Co.

Chicago, Ill.—Ceska Slevanika, one-st'y gymnasium, 500-504 West Eighteenth St.; cost, \$22,000.

Cincinnati, O.—Henry Adam, four-st'y brick and stone brewing building, n w Straight St.; cost, \$5,700; architect, Chas. Dias.

BUILDING INTELLIGENCE.

(Miscellaneous Continued.)

Cornwells, Pa.—Hall building for Camp 530, P. G. S. of A.

Irvington, N. J.—State orphanage; owners, New Jersey Odd Fellows Orphanage Association.

Philadelphia, Pa.—Forty-seventh St., w s, s Wyalusing Ave., two-st'y brick and stone St. John's Orphanage; builder, Wm. R. Dougherty.

Baring and Forty-first Sts., three-st'y brick and stone Home for Presbyterian Orphans; builder, Geo. Hearst.

Queen St., n s, w Front St., three-st'y brick and stone patrol-station; builders, Doyle & Doak, 1511-13 Moravian St.

Broad St., w s, n Master St., five-st'y brick clubhouse; builder, J. E. & A. L. Pennock, 305 Walnut St.

Philip St., w s, n Lehigh Ave., one-st'y shop; builders, Wm. Steele & Son, 506 Walnut St.

Sea Girt, N. J.—Club-house for the New Jersey Rifle Association.

South Bethlehem, Pa.—Birch and Third Sts., Municipal Building.

Swarthmore, Pa.—Plans for a stone and frame hall and borough building, slate roof; architects, Boyden & Taylor, 413 Walnut St., Philadelphia.

Woodbury, N. J.—Indiana limestone and brick building for the First National Bank; builder, F. P. Reynolds.

Worcester, Mass.—Cambridge St., two-st'y frame bottling-shop; owner, Thos. Parker; contractors, Jenkins Bros.

Wyncote, Pa.—Greenwood Ave., plans for a business block; owner, Dr. Peters; architect, Horace Trumbauer, 310 Chestnut St., Philadelphia.

COMPETITIONS.

LIBRARY AND MUSEUM BUILDING.

[At Milwaukee, Wis.]
OFFICE BOARDS OF PUBLIC LIBRARY AND MUSEUM,
MILWAUKEE, WIS., September 7, 1893.

Notice is hereby given by the joint Boards, the Public Library and the Public Museum of the City of Milwaukee, to procure sketch-plans and outline-specifications for the Public Library and Museum building to be erected on block 173, in the Fourth Ward in the City of Milwaukee.

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

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

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

All plans will be submitted to the joint Boards for

(Competitions Continued.)

President Public Museum.
AUGUST HANKE, } of Building
Chairman, }
A. E. SMITH, } Committee.
Secretary, }

MOSAIC WORK.

JOHN D. LONG,	} State-house	
BENJ. D. WHITCOMB,		} Construction
WILLIAM ENDICOTT, JR.,		} Commission.

Treasury Department, Office Supervising Architect, Washington, D. C., September 15, 1903. Sealed proposals will be received at this office until 2 o'clock P. M. on the 16th day of October, 1903, and opened immediately thereafter, for all the labor and materials required for the interior finish, etc., of the United States Court-house and Post-office building at Paris, Texas, in accordance with the drawings and specification, copies of which may be had at this office or the office of the Superintendent at Paris, Texas. No convict labor nor the product of any convict labor will be allowed in the work. Each bid must be accompanied by a certified check for a sum not less than two per cent of the amount of the proposal. The right is reserved to reject any bid, or to award the contract to any bidder informally, or to deem it in the interest of the Government to do so. All bids received after the time stated will be returned to the bidders. Proposals must be enclosed

PROPOSALS.

O'ROURKE, Supervising Architect. 926
United States Engineer Office, Mobile, Ala., August
28, 1893. Sealed proposals for improvement of Mobile

90 Beekman St., New York.

**U. S. Tubular Bell Co.,
Methuen, Mass.**

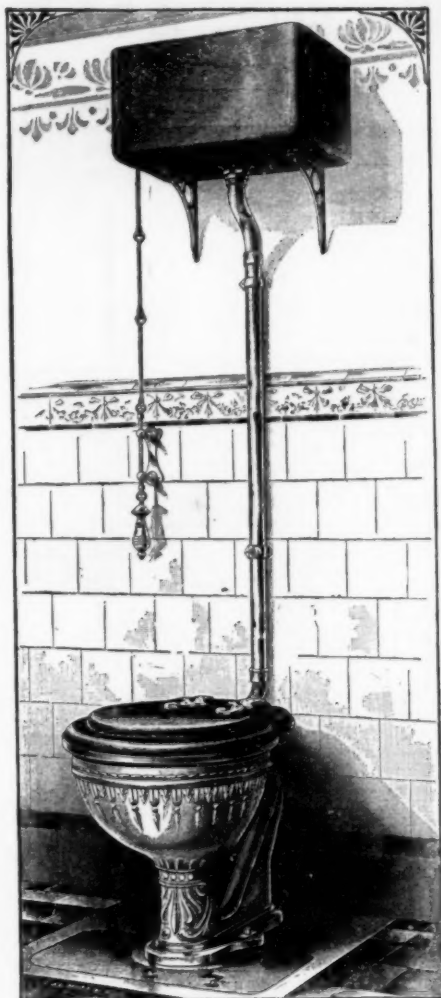
PROPOSALS.

(Proposals Continued.)

Harbor, Ala., dredging in Mobile River, Ala., will be received at this office until 12 m. Thursday, September 28, 1893, and then publicly opened. Specifications, blank forms and all available information will be furnished on application to this office. A. N. DAMRELL, Major of Engineers, U. S. A. 926

The (E) indicates that the advertisement may be found in the last or the following issue; the (M) that it may be found in the first issue for each month.

A.	B.	C.	D.	E.	F.	G.	H.	I.	J.	K.	L.	M.	N.	O.	P.	Q.	R.	S.	T.	U.	V.	W.	X.	Y.
Adair & Co., Fred.....	Babcock & Wilcox.....	Calahart, Paul E.....	Danahy Iron Works.....	Edgar & Co., Fred.....	Fall & Co., J. F.....	Gates, W. H.....	Haberstroh & Son, L.....	Indianapolis Terra-Cotta Co.....	Jacquard Architectural Iron Works.....	Karr, C. P.....	Lamb, J. & R.....	Mason & Co., Volney W.....	Nason, James.....	Oakley & Keating.....	Page Steam Heating Co.....	Randolph & Closes.....	Samson Cordage Works.....	Scheffelin, W. H. & Co.....	Seibert & Co., Fred F.....	Stahel, Paul E.....	Taylor, J. W.....	U. S. Mineral Wool Co.....	Waldo Bros.....	Warren Chemical & Mfg. Co.....
Aschmussen & Pelletier.....	Bailey Reflector Co.....	Cadot, S.....	Detroit Sanitary Supply Co.....	Edgar & Co., Fred.....	Jacquard & Sons, John.....	Globe Ventilator Co.....	Hansen, Jones & Cadenham.....	Insurance Co. of North America.....	Jackson, E. A. & Bro.....	Kear, R. J.....	Lamb & Ritchie.....	Maurer & Son, Henry.....	National Wood Mfg. Co.....	Obdyke & Co., W. Austin.....	Pascoe Rolling Mill Co.....	Parlan Hollow & Force Brick Co.....	Scheffelin, W. H. & Co.....	Schillinger, J. J.....	Scott, J. B. & Co.....	Seton, John.....	Taylor, J. W.....	U. S. Tubular Bell Co.....	Warren Chemical & Mfg. Co.....	Warren Chemical & Mfg. Co.....
Albro Co., E. D.....	Bully & Truscott.....	Cadot, S.....	Detroit Sanitary Supply Co.....	Edgar & Co., Fred.....	Flaher & Co., Robert C.....	Globe Ventilator Co.....	Hansen, H. M.....	Insurance Co. of North America.....	Jackson, E. A. & Bro.....	Kear, R. J.....	Lamb & Ritchie.....	Maurer & Son, Henry.....	National Wood Mfg. Co.....	Obdyke & Co., W. Austin.....	Pascoe Rolling Mill Co.....	Parlan Hollow & Force Brick Co.....	Scheffelin, W. H. & Co.....	Schillinger, J. J.....	Scott, J. B. & Co.....	Seton, John.....	Taylor, J. W.....	U. S. Tubular Bell Co.....	Warren Chemical & Mfg. Co.....	Warren Chemical & Mfg. Co.....
Alsen's Cement Works.....	Bully & Truscott.....	Cadot, S.....	Detroit Sanitary Supply Co.....	Edgar & Co., Fred.....	Flaher & Co., Robert C.....	Globe Ventilator Co.....	Hansen, H. M.....	Insurance Co. of North America.....	Jackson, E. A. & Bro.....	Kear, R. J.....	Lamb & Ritchie.....	Maurer & Son, Henry.....	National Wood Mfg. Co.....	Obdyke & Co., W. Austin.....	Pascoe Rolling Mill Co.....	Parlan Hollow & Force Brick Co.....	Scheffelin, W. H. & Co.....	Schillinger, J. J.....	Scott, J. B. & Co.....	Seton, John.....	Taylor, J. W.....	U. S. Tubular Bell Co.....	Warren Chemical & Mfg. Co.....	Warren Chemical & Mfg. Co.....
Alsen's Cement Works.....	Bully & Truscott.....	Cadot, S.....	Detroit Sanitary Supply Co.....	Edgar & Co., Fred.....	Flaher & Co., Robert C.....	Globe Ventilator Co.....	Hansen, H. M.....	Insurance Co. of North America.....	Jackson, E. A. & Bro.....	Kear, R. J.....	Lamb & Ritchie.....	Maurer & Son, Henry.....	National Wood Mfg. Co.....	Obdyke & Co., W. Austin.....	Pascoe Rolling Mill Co.....	Parlan Hollow & Force Brick Co.....	Scheffelin, W. H. & Co.....	Schillinger, J. J.....	Scott, J. B. & Co.....	Seton, John.....	Taylor, J. W.....	U. S. Tubular Bell Co.....	Warren Chemical & Mfg. Co.....	Warren Chemical & Mfg. Co.....
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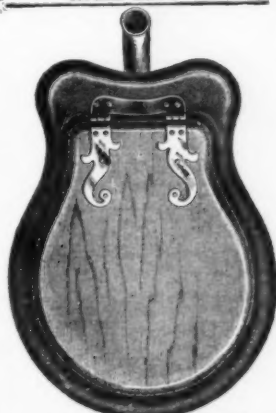
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Primo, and architects and plumbers can guar-
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world, T. C. Brown, Westhead, Moore & Co.
The bowl contains a large body of water and
the water seal is nearly 5 inches, affording
an effectual barrier to sewer gas. The Per-
fecto Seat is secured directly to the closet,
is artistic in appearance, requires no wall
brackets, and leaves the space behind and all
parts of the bowl free for cleansing. Illus-
trated Price-List mailed on application.

THE "PERFECTO" SEAT.

(Patent applied for.)

WALL-LINE



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floor from being splashed,
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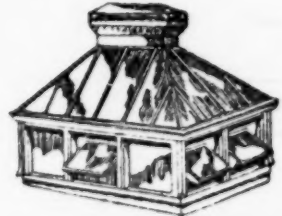
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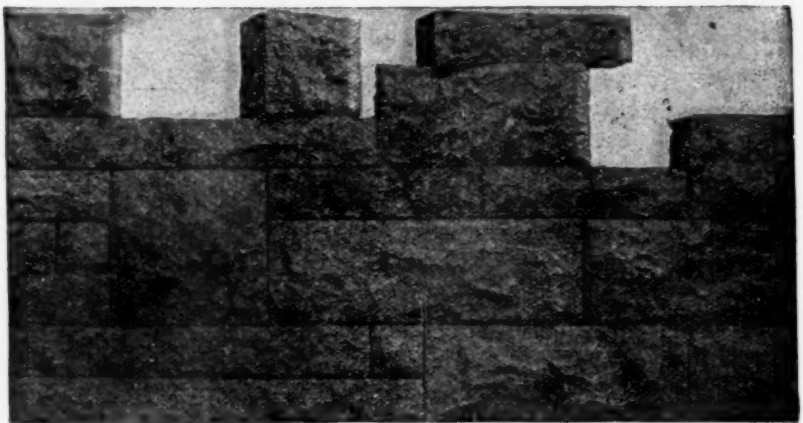
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Bailey & Truscott, Philadelphia, Pa. (mon)
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Wahm Patent Co., New York, N. Y. (cow)
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New York Mastic Works, New York, N. Y.
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Fred. F. Bischoff & Co., Chicago, Ill. (mon)
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Standard Mfg. Co., Pittsburgh, Pa. (cow)
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Spaulding & Moss, Boston, Mass. (cow)
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Randolph & Clowes, Watertown, Conn.
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Hunting & Spillmeyer, New York, N. Y.
Chickner & Co., Boston.</p> | <p>Brass Goods.
L. B. Shannon & Sons, Philadelphia. (mon)
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Fiske, Homes & Co., Boston.
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Jarden Brick Co., Philadelphia, Pa.
Brick (Ornamental).
Fleming Cement & Brick Co., New York. (cow)
W. H. Gates, Boston, Mass. (cow)
Hydraulic Press Brick Co., St. Louis. (mon)
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The Frey, Shookler Co., Bucyrus, O. (cow)
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Bureau Bros., Philadelphia, Pa. (mon)
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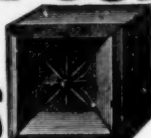
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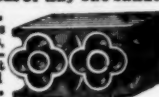
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Yours very truly,

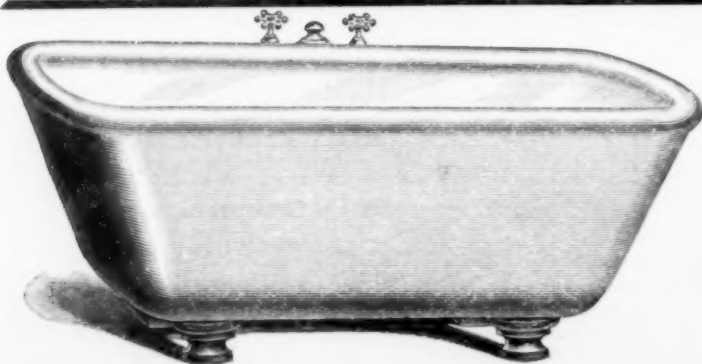
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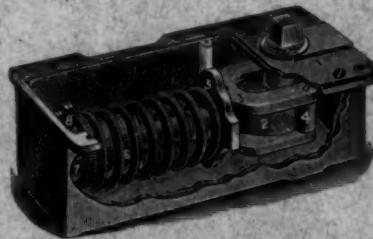
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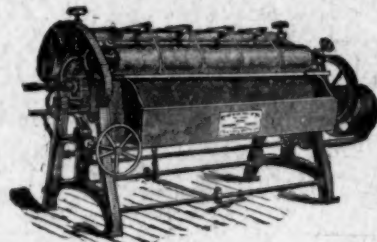
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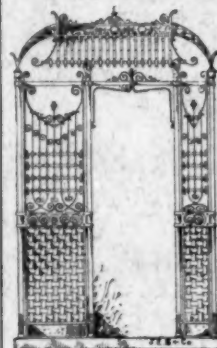
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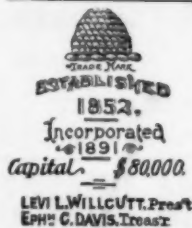
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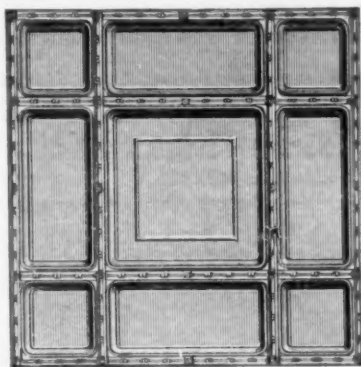
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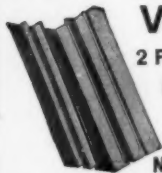


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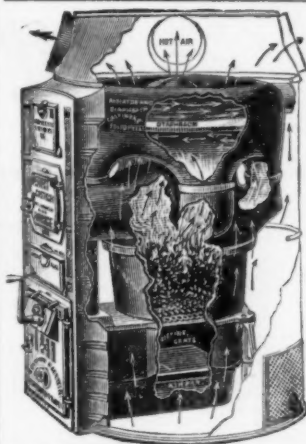
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Piles..... P. ft.

Fence pickets, Common.....

Cedar posts, 9 ft. (sq. posts).....

Chestnut posts.....

Finishing Woods: P. M. (First Qual.)

Ash..... (Kiln-dried.)

Cherry.....

Butternut.....

Hard-pine floors (rift).....

Mahogany, Baywood (Mexican).....

" St. Domingo.....

Maple.....

Oak, red.....

" white.....

" quartered.....

Sycamore quartered.....

Pine, clear.....

Redwood.....

Rosewood..... P. B.

Spruce floors (clear, kiln-dried).....

Walnut, black.....

Whitewood.....

Yellow pine..... P. M.

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" 1st.....	5 00 @ 5 25	Domestic Face 20 00 @ 22 00	St. Louis Fronts @ 27 00	Red " @ 13 00
Hollow.....	@ 13 00	Philadelphia 40 00 @ 45 00		Dark " @ 13 00
Fronts:		Phila. mould 50 00 @ 80 00		Pressed 18 00 @ 20 00
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" red.....	10 00 @ 13 00			Third " @ 12 00
Chicago pressed (Anderson).....				Dom. { @ 65
" Moulded.....				" " @ 82
Baltimore.....	37 00 @ 41 00			BS&Co 2 75 @ 3 00
Philadelphia.....	23 00 @ 24 00			" 2 85 @ 3 25
Trenton.....	@ 19 00			" 2 85 @ 3 15
Milwaukee.....				" 2 75 @ 3 00
Moulded:				" 2 85 @ 3 15
Glen Falls Red Pressed.....	@ 37 00			" 2 75 @ 2 85
" Buff.....	@ 30 00			Hemmoor 2 50 @ 2 75
" Moulded Red & Buff.....	45 00 @ 70 00			" 2 75 @ 2 85
Enamelled: Imp.				Josson 2 60 @ 2 75
Enamelled (edge).....	85 00 @ 100 00			" 3 00 @ 3 25
Enamelled (edge and end).....	90 00 @ 115 00			" 2 75 @ 2 85
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Roseendale Cement.....	95 @ 1 10	1 15 @ 1 25	Not sold.	White Lime P bush 25 @ 30
Louisville.....	Not sold.	Brooks, S. & Co. 2 40 @ 2 75	1 05 @ 1 15	{ White Mash 1 25 @ 1 50
Utica, Akron, Buffalo, Milwaukee, Portland, English (Gibbs).....	2 25 @ 2 50	2 40 @ 2 75	1 00 @ 1 10	" 1 00 @ 1 00
" (K. B. & S.).....	2 50 @ 3 00	2 40 @ 2 75	3 00 @ 3 10	
" Black Cross.....	2 25 @ 2 50	2 40 @ 2 75	3 00 @ 3 25	
" (Burnham).....	2 10 @ 2 50	2 40 @ 2 75	3 00 @ 3 25	
" (White's).....	2 65 @ 3 00	2 40 @ 2 75	3 00 @ 3 25	
" French (LaFarge).....	3 00 @ 3 75	3 00 @ 5 00	3 75 @ 4 25	
" German (Alsen).....	2 90 @ 3 25	3 00 @ 3 50	3 20 @ 3 40	
" (Fewer).....	2 25 @ 2 40		2 75 @ 3 00	
" (Vorwohler).....	2 50 @ 2 90		3 25 @ 3 50	
" (Lagerhofer).....	2 60 @ 2 90		Not sold.	
" (Dyckerhoff).....	2 50 @ 3 00		2 60 @ 2 70	
" (Hanover).....	2 35 @ 2 85		2 75 @ 3 25	
" Stettin (Anchor).....	2 15 @ 2 25		6 00 @ 7 00	
" American (Saylor's).....	2 75 @ 3 00		9 00 @ 10 50	
Roman.....	4 50 @ 5 30			
Keene's coarse.....	5 00 @ 5 50			
" superfine.....				
Lime:				
Lime of Teil.....	3 50 @ 4 00		Not sold.	
Hydraulic Lime.....	@ 1 45	@ 1 35	60 @ 70	
Chicago Lime in bulk.....		St. John 1 00		
Wisconsin Lime.....	@ 95	@ 1 05		
Rockland and Rockport, (Com.).....	@ 1 10	@ 1 10		
Rockland and Rockport, finish.....	@ 1 20	@ 1 20		
Kelley Island Lime, finish.....	80 @ 85	Not sold.	1 00 bulg, 75c.	
State, com. cargo rates (nom.).....	1 05 @ 1 10	Not sold.	Not sold.	
State, finishing.....	1 40 @ 1 50	1 85 @ 2 00	1 85 @ 1 90	
Plaster of Paris (calcined).....	(casting) @ 1 60	@ 2 25	1 85 @ 1 90	
Hair (Castle) P bush.....	16 @ 18	25 @ 30	16 @ 20	
" (Goat).....	18 @ 21	@ 30	30 @ 35	
Sand, P load.....	1 00 @ 1 25	1 75 @ 1 90	@ 60	
STONE. (P cubic foot, rough.)				
Granite: (Maine)				
Limestone:				
Bedford.....	45 @ 1 25	95 @ 1 00	50 @	
Joliet.....	1 00		35 @ 55	
Lamont.....			35 @ 60	
Serpentine.....			@ 1 00	
				Richmond P 75 @ 1 50
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Dimension.....	5 00	5 00	20	5 00
Block.....	4 60	4 60	perch.	1 45
Rubble.....	1 25	1 50	8 50	2 50
Blue stone: (P sq. ft.)				
Sidewalk.....	30	5 00	75	1 00
Planned.....	50	6 00	50	1 00
Sandstone:				
Longmeadow.....	80	90		
Kibbe.....	90	1 10		
Brown (Connecticut).....	1 00	1 25	1 50	per cu. ft.
Amherst Ohio.....	90	95	45	50
Berea.....	75	1 00	45	55
Berlin.....	75	1 00	55	65
Bellefonte.....	80	1 25	1 25	1 35
New Brunswick (Dorchester).....	1 00	75	90	
Caen.....			2 00	
Carlisle, English.....	1 05	1 05		
Corse Hill (Scotch).....	1 05	1 05		

Marble: (P cu. ft.)

Leo, Mass.....		1 75	2 50	Not Sold.
Rutland, white and blue.....			3 50	6 00
Sutherland Falls.....	1 25	1 75	3 50	6 00
Glens Falls, black.....			Not Sold.	
Italian, blue-veined.....			4 40	
"Sienna.....			Not Sold.	
Tennessee, red.....			4 40	
"Knoxville.....			4 40	
Pennsylvania, blue.....			Not Sold.	
Vermont, white.....			3 50	6 00

Slate: Roofing (P square)

"green.....	5 00	6 00	4 75	5 25
"unfading.....	5 00	6 00	5 50	6 50
"purple.....	5 00	6 00	5 50	6 50
"red.....	5 00	6 00	10 00	11 00
"black, Lehigh.....	4 25	4 75		
"Chapmans.....			5 50	8 00
"Unfading black, Monson, Me.....	5 50	8 00		
Tiles, Am.....				
N. Peach Bottom, warranted unfading.....				

PAINTS. (In Oil P lb.)

White lead, Am.....	7	7 1/2	7	7 1/2
"sine.....	5	5 1/2	5	5 1/2
Red lead, Am.....	6 1/2	7	6 1/2	7
"Venetian.....	6	7 1/2	6	7 1/2
"Vermillion.....	65	70	70	75
"Indian, Eng.....	6	15	7	12
Yellow Ochre.....	12	20	12	20
"Chrome.....	8	13	8	13
Green (chrome).....	25	40	25	40
Green, Paris.....	15	25	15	25
Black, lamp.....	12	18	12	18
Blue, ultramarine.....	55	62	41	42
Oil, linseed, (raw).....	58	65	44	45
"boiled.....	35	37	1 50	6 00
Turpentine.....			2 50	3 00
Varnish, coach.....	2	4	2	4
Shellac.....	75	1 00	1	1 1/2
Putty.....	1 30	2 00	2	3
Whiting.....	5 1/2	6	6 1/2	7
Paris white, (Eng.).....	14	20	14	20
Litharge, Am.....				
Sienna (burnt).....				
Umber.....				

HARDWARE.

Nails: (Per Cask.) Spikes, (wrought).....	2 85		2 35	3 50
10d. common.....			2 20	1 95
Shingle.....	3 35		2 65	2 35
Lath.....	4 85		3 20	3 25
(Finishing nails according to size).....				
(For casing nails add 75 c. per keg).....				
Butts: 4" x 4".....(P doz. pairs).....				
Plain.....	1 00	1 20		90
Japaned.....	1 50	1 75	Not Sold.	
Acorn, Japaned.....	1 50	1 90	2 00	3 75
Ball Tip, Boston Finish.....(P pair).....	65	50	Not Sold.	
Bronze metal.....	1 90	plain 1 65	2 00	3 25
Brass (for cupboards).....	10	10		12
Ebony.....				
Apple wood.....				
Knobs: (P set).....				
Mineral, best.....	8	8	8	10
Lava.....	50	75	65	80
Hemacite.....	Not Sold.	17	33	31
Porcelain.....	30	10	25	30
Glass, solid.....	Not Sold.		Not Sold.	
Glass, silvered.....	88	1 00		1 50
Bronze metal.....	75	3 00	50	3 00
Brass.....	1 00	2 50	1 00	3 00
Solder:			14	16
Sheet Lead.....		7 1/2		7
Lead Pipe.....		6 1/2	5 1/2	6
Iron:				
1-Beams, up to and including 30 ft.....	3 3-10	3 1/2		2 8-10
do. over 30 ft., 1/2 c. adv. for every 5 ft.....			2 50	2 75
Channel Beams.....	3 3-10	3 1/2	50	2 75

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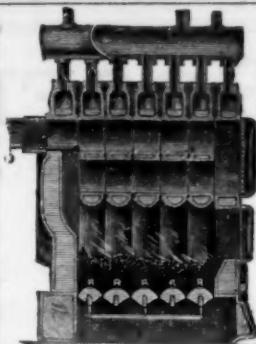
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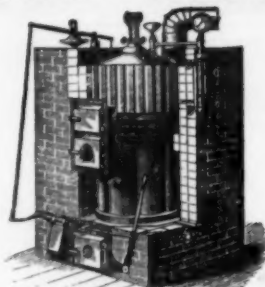
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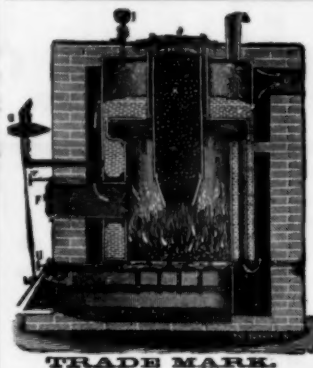
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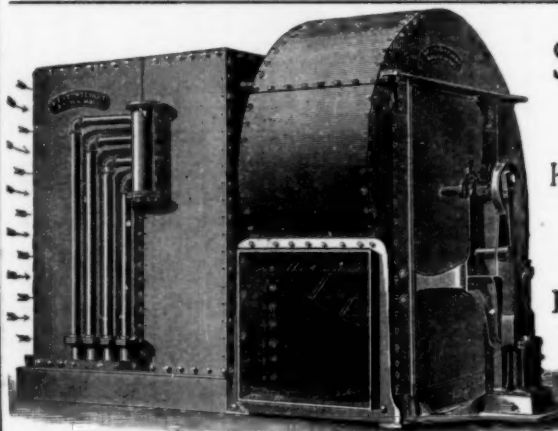
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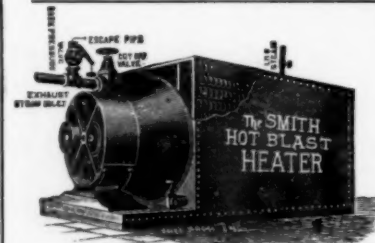
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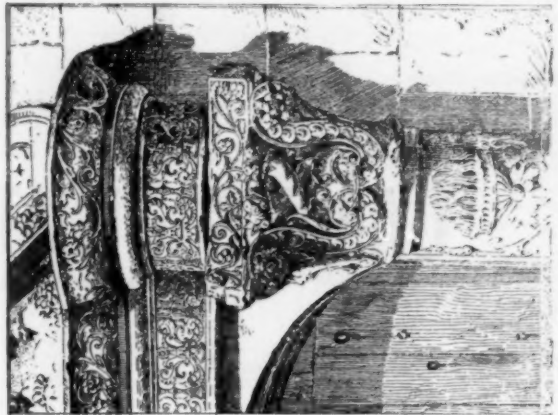
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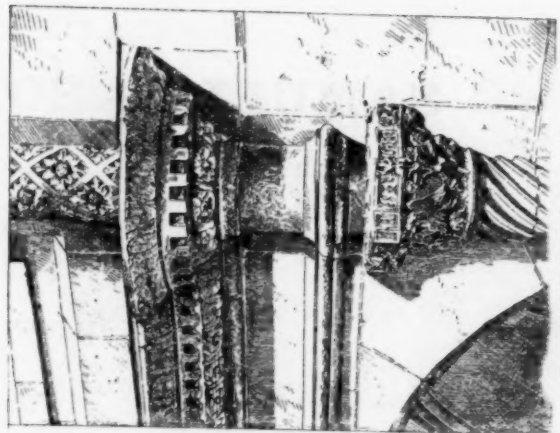
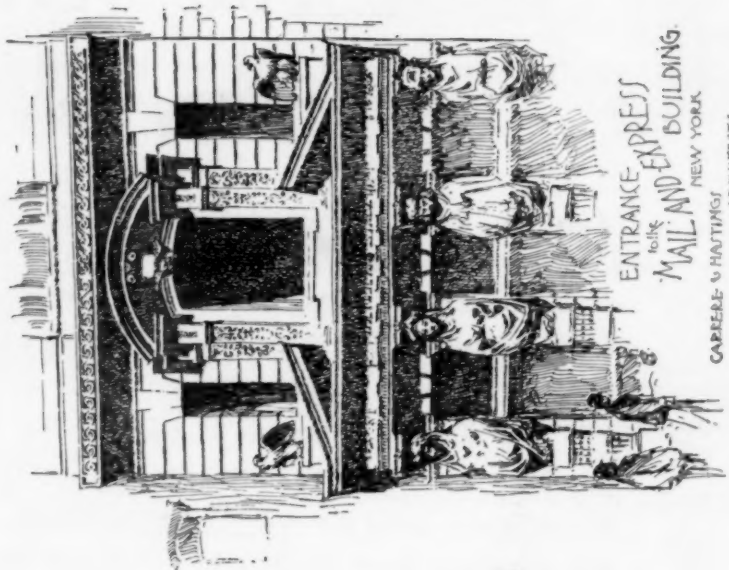
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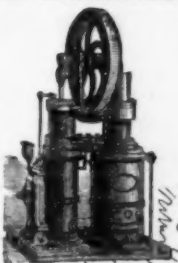
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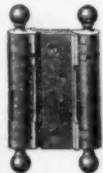
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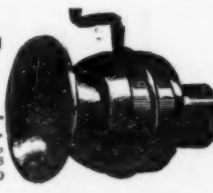
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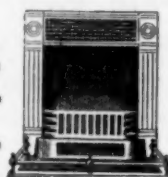
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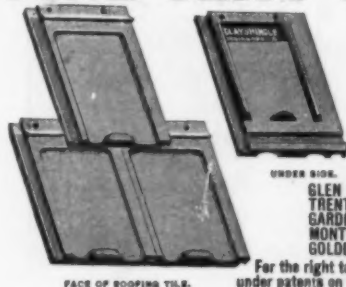


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(Houses Continued.)

Seventh Ave., 3 two-sty frame dwells, tin roof; cost, \$3,300 each; owner and builder, S. Sireanus, 221 Rockaway Ave.; architect, A. Elbio, 225 Rockaway Ave.
Belmont Ave., n s, 50' e Hatford Ave., 2 three-sty frame dwells, tin roofs; cost, \$7,000 each; owner, Pauline Ratner, 397 Rockaway Ave.; architect, L. Danancher, 31 Watkins St.
Nichols Ave., e s, 300' s Jamaica Ave., 2 two-sty frame dwells, tin roofs; cost, \$2,400 each; owner, George D. Owen, Sixth Ave., cor. Union St.
Chicago, Ill. — E. Van Winkle, two-sty dwell., 1923 Barry Ave.; cost, \$6,500.
John Lovett, three-sty dwell., Rutherford Ave., near Pearl St.; cost, \$3,800.
J. Burns, two-sty dwell., Prospect St., near Grand Ave.; cost, \$5,000.
Michael Thules, two-sty dwell., 4643 Union Ave.; cost, \$3,700.
Mary Ridgeway, two-sty dwell. and barn, 1400 West Harrison St.; cost, \$4,000.
Cincinnati, O. — Geo. Gildilen, brick and stone dwell., 28 Williamson Pl.; cost, \$2,000; architect, Frank Gildilen.
Nicholas Feckter, two-and-one-half-sty brick and stone dwell., s s Murdoch St.; cost, \$3,500; architect, Paul C. Pope.
Henry Haverkamp, two-and-one-half-sty brick and stone dwell., n s Harrison Ave.; cost, \$2,500; architect, E. H. Dornette.
Colman, Pa. — Dwell.; owner, A. H. Moore; architect, Dr. Warner.
Irving-on-the-Hudson, N. Y. — Dwell.; owner, Dr. Warner.
Morris, Pa. — Parsonage for the M. P. Church; contractor, Mr. Headley, Grayville.

BUILDING INTELLIGENCE.

(Houses Continued.)

New York, N. Y. — One Hundred and Forty-eighth St., n s, 335' w Tenth Ave., 6 three-sty brick dwells, tin roofs; cost, \$48,000; owner, Burtha E. Thurston, 370 St. Nicholas Ave.; architect, John P. Leo, 287 Fourth Ave.
One Hundred and Fourteenth St., s s, 125' e Lenox Ave., 6 three-sty brick dwells, tin roofs; cost, \$84,000; owner, Louis Wirth, 106 East Eighty-first St.; architect, John Hauser, 1441 Third Ave.
Seventy-fifth St., s s, 121' e Riverside Drive, five-sty brick dwell., mansard, tin and tile roof; cost, \$60,000; owner, L. F. Pommerich, 180 West Fifty-ninth St.; architect, Chas. P. Gilbert, 16 Broadway.
Philadelphia, Pa. — City Line, e s, n Lancaster Ave., three-sty brick dwell.; owners, Wendell & Smith, Overbrook Station.
Fifteenth St., w s, s Thompson St., 7 two-sty brick dwells.; builder, Andrew Moore, 2310 Spring Garden St.
Mantua Ave., n s, e Forty-second St., 7 three-sty brick and stone dwells.; owner, John W. De Long, 36 North Fortieth St.
Thirty-three and Three-quarters St., e s, n Arlington St., 19 two-sty brick and brownstone dwells.; owner, Joseph M. Serrill, Wyncoke, Pa.
Passyunk Ave., No. 1944, two-sty brick dwell.; owner, Hugh McNeil, 1926 Passyunk Ave.
Three-sty brick dwell.; owner, James H. Heiser, 1323 South Front St.
Miller St., e s, s w Mower St., three-sty brick and stone dwell.; builders, C. B. Rohl & Bro.
Lippincott St., n s, s e Park Ave., 28 two-sty dwells.; owner, Henry G. Schultz, 2633 Germantown Ave.
Front St., w s, n Norris St., three-sty dwell.; contractors, John Mitchell & Son, 807 West Lehigh Ave.

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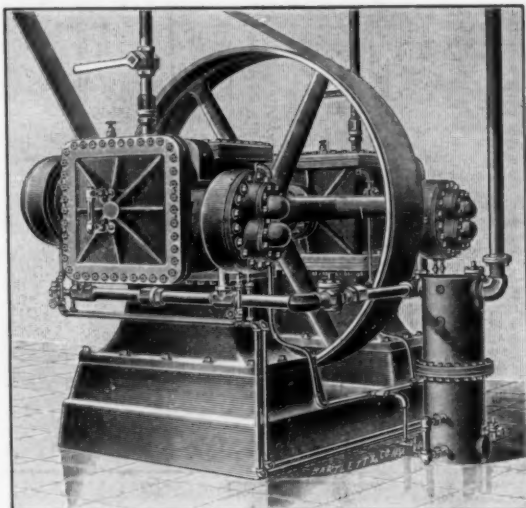
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BUILDING INTELLIGENCE.

(Houses Continued.)

Thirty-first-and-one-half St., n of Norris St., and Twenty-first St., e s, n Susquehanna Ave., 21 two and three sty brick buildings; builder, W. F. Albrecht.
Forty-first St., w s, s Weston Ave., 5 three-sty dwells.; owners, Anson, Sheeley & Gaston, 535 Drexel Building.
Spring Garden St., w s, cor. Thirty-first St., three-sty dwell.; owners, W. J. Shedwick & Bro., 3410 Mt. Vernon St.
Twenty-ninth St., e s, w Susquehanna Ave., 6 three-sty dwells.; owner, W. F. Albrecht, 3008 Diamond St.
Eleventh St., n e cor. Jefferson St., three-sty dwell.; contractor, Wm. Kurtz, 1637 North Eleventh St.
Seven three-sty dwells.; contractor, J. W. Klein, 2252 Willington St.
Thirty-first and Thirty-first-and-one-half Sts., w s, s Norris St., nine dwells.; contractor, W. F. Albrecht, 3008 Diamond St.
Chelten Ave., s e s, n e Boyer St., 2 three-sty dwells.; contractor, James Hillyer, 56 Mecklin St.
Fairview St., n s, bet. Thirty-fourth and Thirty-fifth Sts., 2 two-sty dwells.; owner, James Sharp, Wayne and Lafayette Sts.
Chestnut St., w s, e Thirty-sixth St., 2 three-sty dwells.; contractor, James Bradley, 40 North Thirty-eighth St.
Chestnut and Forty-sixth Sts., Baptist church; builder, H. E. Cooper.
Pittsburgh, Pa. — Three colonial dwells.; owner, W. C. Stewart; architects, Longfellow, Alden & Harlow.
Dithridge St., dwell.; owner, Mrs. Sarah Davis.
Reading, Pa. — Green St., bet. Front and McKnight Sts., 10 two-sty brick dwells.; owners, The Fidelity Building Association.
Gordon St., bet. Green and Greenwich, 3 two-sty brick dwells.; owner, J. E. Stocker.
Roxborough, Pa. — Jeanette St., n w cor. Manayunk Ave., two-sty dwell.; contractor, Sylvester Yardley, 539 East Jefferson St.
Midvale St., s s, e Ridge Ave., two dwells.; contractor, Charles E. Bartie, 519 Jamestown Ave.
St. Louis, Mo. — Two-sty brick dwell., Virginia and Osceola Aves.; cost, \$4,000; owner and contractor, Hy. Van Hook.
Three-sty brick dwell., n s Portland Pl., bet. King's Highway and Lake Ave.; cost, \$30,000; owner, O. A. Hart; contractors, Gossee & Remmers.
Two-and-one-half-sty brick dwell., s s Pine St., bet. Newstead and Taylor Aves.; cost, \$6,500; owner, C. W. Taylor; contractor, Z. Neumeister.
Two-sty brick dwell., n s Longfellow St., bet. Compton and Russell Aves.; cost, \$12,000; owner, A. Lawler; contractors, Mertz & Eyselle.
Two-sty brick dwell., n s West Pine St., bet. Sarah and Boyle Aves.; cost, \$9,000; owner, Wm. Weichmann; contractors, F. D. Gray & Bro.
Two-and-one-half-sty brick dwell., n s Eads St., bet. California and Nebraska Aves.; cost, \$35,000; owner, Margaret Stolz; contractor, Hy. Schroeder.
Two-sty brick dwell., s s Geyer St., bet. California and Ohio Aves.; cost, \$35,000; owner, Emil Wachter; contractor, Jno. Bother.
Wayne, Pa. — Franklin St., n w s, s w Emien St., two dwells.; owners, Wendell & Smith.
Worcester, Mass. — Newton Ave., one-and-one-half-sty frame dwell.; owner and contractor, W. J. Joslyn.
Ferdinand St., two-sty frame dwell.; owner, M. E. Bradley; day-work.
Berkman St., one-and-one-half-sty frame dwell.; owner, Mrs. Louisa Flagg; contractor, C. J. Boan.
Newton Ave., one-and-one-half-sty frame dwell.; owner and contractor, W. H. Joslyn.

ARTIFICIAL REFRIGERATION.



We invite the attention of Architects to the form of Refrigerating Apparatus which we manufacture, on account of its special fitness for Hotels, Apartment-houses, Clubs, Hospitals, Private Residences, and work of like character.

It may take power from the same shaft that runs the electric-lights, elevators, laundry, etc., or from an independent electric-motor or gas-engine.

It needs no special attendant, but becomes simply a part of the general plant in charge of the engineer.

It occupies only a fraction of the space of any other machine.

It is light running and noiseless, and has no equal in the economical use of water and power.

To illustrate. We fit up an Apartment-house, distributing refrigeration to all parts of the building;—equip permanent cooling boxes, both for the tenants and the steward, including freezing temperatures if required;—maintain a constant supply of drinking-water in block-tin coolers;—make ice for table use; freeze carraffes of water, ice creams, etc., for the restaurant—and at almost nominal cost for operation.

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BUILDING INTELLIGENCE.

(Houses Continued.)

Seymour St., three-st'y frame dwell.; owner, Miss Lizzie Rogers; contractors, Yates & Delaney.

OFFICE-BUILDINGS.

New York, N. Y.—Maiden Lane, Nos. 44-46, Liberty St., No. 37, thirteen-st'y brick office-building, tile and tin roof; cost, \$250,000; owners, Lawyer's Title Insurance Co., 120 Broadway; architect, Charles C. Haight, 111 Broadway.

PUBLIC BUILDINGS.

New York, N. Y.—McDougal St., 2 five and two-st'y brick police-station and prison, tin roof; cost, \$61,000; owners, Mayor, Aldermen and Commonalty City of New York; architect, Nathaniel D. Bush, 287 Fourth Ave.

SCHOOL-HOUSES.

Chicago, Ill.—Board of Education, three-st'y school-house, Sheridan and Wegg Sts.; cost, \$60,000. Burke Bros., three-st'y school-house, 773-775 Polk St.; cost, \$7,000.

New York, N. Y.—Eighty-second St., n w cor. Boulevard, one-st'y frame school-building, gravel roof; cost, \$10,000; owners, Mayor, Aldermen and Commonalty City of New York; architect, C. B. J. Snyder, 146 Grand St.

Rock Hill, S. C.—Normal College; architects, Bruce & Morgan, Atlanta, Ga.

Waycross, Ga.—The erection of a school-building, to cost about \$25,000 is contemplated.

STABLES.

Baltimore, Md.—Francis White will build two-st'y brick stable on Diamond St., bet. Fayette and Lexington Sts.

New York, N. Y.—West Forty-eighth St., No. 146, two-st'y brick stable, tin roof; cost, \$4,000; owner, Wolf Mascher, 614 West Forty-eighth St.; architects, Thom & Wilson, 1267 Broadway.

One Hundred and Fifty-fifth St., s s, 150' w Third Ave., two-st'y brick stable, tin roof; cost, \$12,000; owner, Mrs. E. L. Bruse, Tuxedo Park, New York; architect, S. V. Stratton, 57 Broadway.

Eighty-ninth St., n s, 400' e Amsterdam Ave., 3 five and two-st'y brick stable, tin roof; cost, \$50,000; owner, Edward Judson, 22 West Ninety-ninth St.

Sixty-eighth St., s s, 200' w W. E. Ave., one-st'y brick stable, tar and gravel roof; cost, \$7,000; owner, Christine Behmer, 306 West Sixty-eighth St.; architect, Geo. F. Pelham, 1481 Broadway.

Philadelphia, Pa.—Melon St., Nos. 3729-3731, one-st'y stable; contractor, Joseph R. Brown, 650 North Thirty-ninth St.

Ridge Ave., No. 4434, one-st'y stable; owner, Emanuel Fessler, 4434 Ridge Ave.

North Fifteenth St., No. 3606, rear, stable; owner, Adam Miller, 3606 North Fifteenth St.

Twenty-fourth St., w s, Federal St., two-st'y stable; contractor, T. J. Henery, 2310 Federal St. Bancroft St., e s, McKean St., two-st'y stable; contractor, John H. Lingo, 1947 Passyunk Ave.

Two-st'y stable; contractors, Dickson Bros., 3046 Frankford Ave.

Worcester, Mass.—Perkins St., one-st'y frame

BUILDING INTELLIGENCE.

(Stables Continued.)

stable; owner, E. J. Buckley; contractor, W. J. Cutting.

Parker St., one and one-half-st'y frame stable; owner, J. H. Soulliere; contractor, M. P. Craft.

STORES.

Boston, Mass.—Harrison Ave., No. 179, cor. Bennett St., Ward 12, five-st'y brick store, flat roof, 33.39' x 76'; owner, Michael Roughan; builders, Donovan & Brock.

Brooklyn, N. Y.—Woodbine St., n s, 80' e Broadway, three-st'y frame store and dwell., tin roof; cost, \$3,500; owner, J. H. Koerner, 12 Palmetto St.; architects, Funk & Hillenbrand, 200 Kliekerbocker Ave.

Stuyvesant Ave., e s, 60' n Pulaski St., four-st'y brick store and dwell., tin roof; cost, \$7,500; owner, J. H. Muller, Stuyvesant Ave.; architect, H. Vollweiler, 483 Hart St.; builders, Rueger & Co., 250 Moore St.

Wyckoff Ave., s e cor. Himrod St., 3 three-st'y frame stores and dwell., tin roofs; cost, \$4,500 each; owner and builder, J. Kleinklaus, 55 Grattan St.; architects, D. Acker & Son.

Camden, N. J.—Fifth St., n e cor. Division St., two-st'y brick store; owner, J. H. Robbins.

Hope St., e s, a Girard Ave., six-st'y store; contractor, Michael Magee, 1516 North Eighth St.

Haverford St., No. 3723, one-st'y store; contractor, George E. Biseick, Haverford St.

Chicago, Ill.—J. C. Meus, two-st'y store and flats, 118 West Monroe St.; cost, \$5,000.

George Mickoles, two-st'y store and flats, 118 Ewing St.; cost, \$3,000.

M. Brick, two-st'y store and flats, 1282 Lincoln Ave.; cost, \$3,000.

Cincinnati, O.—S. E. Moorehead, three-st'y brick and stone stores and flats, n s Central Ave.; cost, \$4,000; architect, S. S. Godley.

New York, N. Y.—Grand St., Nos. 60-64, 2 six-st'y brick store buildings, tin roof; cost, \$110,000; owner, Louis M. Jones, 602 Lexington Ave.; architects, Cleverdon & Putzell, 13 Astor Pl.

THEATRES.

Baltimore, Md.—George C. Haskell, architect, is preparing plans for a theatre to seat 1,800 people, to be erected on n s Lexington St., bet. Howard and Eutaw St.

MISCELLANEOUS.

Baltimore, Md.—T. J. Hayward will build two-st'y brick carriage-house, w s Morton Alley, bet. Chase and Biddle Sts.

Boston, Mass.—Walkhill St. (Pierce Farm), Ward 23, one-st'y brick boiler-house, flat roof, 40' x 51'; owner, City of Boston; builder, John French.

Morton St. (Austin Farm), Ward 23, two-st'y brick boiler-house and laundry, flat roof, 71' x 79'; owner, City of Boston; builder, John French.

Brooklyn, N. Y.—Sixth St., n s, 119' e Smith St., two-st'y brick gas purifier, lime and condenser house, gravel roof; cost, \$12,000; owners, Citizens' Gas Co.; architects, Bartlett & Co., Baltimore, Md.; builder, D. Acker.

BUILDING INTELLIGENCE.

(Miscellaneous Continued.)

Chicago, Ill.—S. E. Barrett Mfg. Co., one-st'y storage house, 171-179 Hooker St.; cost, \$4,000.

Chicago & Western Indiana R. R. Co., depot, Wallace and Fifty-ninth Sts.; cost, \$3,000.

Danbury, Conn.—Three st'y brick, granite and brownstone almshouse; architect, Warren R. Briggs.

Haverhill, Mass.—Essex St., three-st'y brick and terra-cotta fire-engine house, flat roof, 50' x 105'; mill construction; also to be used for headquarters of fire-department and fire-alarm system; builder, T. R. Cook; architects, Lewis & Paine, Boston.

New York, N. Y.—Duane St., No. 14, five-st'y brick workshop, metal roof; cost, \$5,000; owner, Patrick Dwyer, 7 Madison St.; architects, John B. Snook & Son, 12 Chamber St.

Delancey St., No. 293, six-st'y brick workshop, tin roof; cost, 10,000; owner, Henry Potry, 293 Delancey St.; architect, Charles Rentz, 153 Fourth Ave.

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

West St., w s abreast of New Pier 36, N. R., two-st'y iron storage shed, tin and gravel roof; cost, \$36,000; owner, Providence & Stonington S. S. Co.; architect, R. F. Statts, 29 Broadway.

Northfield, Mass.—D. L. Moody will build an auditorium.

Philadelphia, Pa.—Vine and Twenty-fourth Sts., paper-mill; contractor, W. L. Atkins.

Pottstown, Pa.—Citizens' National Bank, building, n e cor. High and Franklin Sts.; George B. Lossing, President.

Wilmington, Del.—Manning Library Association, building; contractors, William H. Faulk & Son.

Worcester, Mass.—Perry St., one-st'y frame hall building; owner, F. Skogberg; contractor, C. Jyerbin.

Beacon St., four-st'y brick stair-tower; owners, J. E. & A. E. Estabrook; contractor, A. E. Bigelow; architects, E. Boyden & Son.

COMPETITIONS.

LIBRARY AND MUSEUM BUILDING. (At Milwaukee, Wis.)

OFFICE BOARDS OF PUBLIC LIBRARY
AND MUSEUM
MILWAUKEE, WIS., September 7, 1893.

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

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

COMPETITIONS.

(Competitions Continued.)

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

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

All plans will be submitted to the joint Boards for selection and approval, and the architect whose plans have been selected and adopted will be employed to furnish the detail and working drawings, and to superintend the erection of the building at the rate of five per cent, as fixed by the joint Boards.

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

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

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

Signed, **MATTHEW KEENAN**,
President Public Library Board.
GEORGE W. PECKHAM,
President Public Museum.
AUGUST HANKE,
Chairman, of Building
A. E. SMITH,
Secretary, Committee.

PROPOSALS.

CITY-HALL.

[At Paterson, N. J.]

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

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

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

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

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

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

Treasury Department, Office of the Supervising Architect, Washington, D. C., September 23, 1893. Sealed

(Proposals Continued.)

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

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

Treasury Department, Office Supervising Architect, Washington, D. C., September 15, 1893. Sealed proposals will be received at this office until 2 o'clock P. M. on the 16th day of October, 1893, and opened immediately thereafter, for all the labor and materials required for the interior finish, etc., of the United States Court-house and Post-office building at Paris, Texas, in accordance with the drawings and specification, copies of which may be had at this office or the office of the Superintendent at Paris, Texas. No convict labor nor the product of any convict labor will be allowed in the work. Each bid must be accompanied by a certified check for a sum not less than two per cent of the amount of the proposal. The right is reserved to reject any and all bids, or to waive any defect or informality in any bid, if it is deemed in the interest of the Government to do so. All bids received after the time stated will be returned to the bidders. Proposals must be enclosed in envelopes sealed and marked "Proposal for the Interior Finish, etc., of the United States Court-house and Post-office building at Paris, Texas," and addressed to JEREMIAH O'ROURKE, Supervising Architect.

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JET WATER CLOSET

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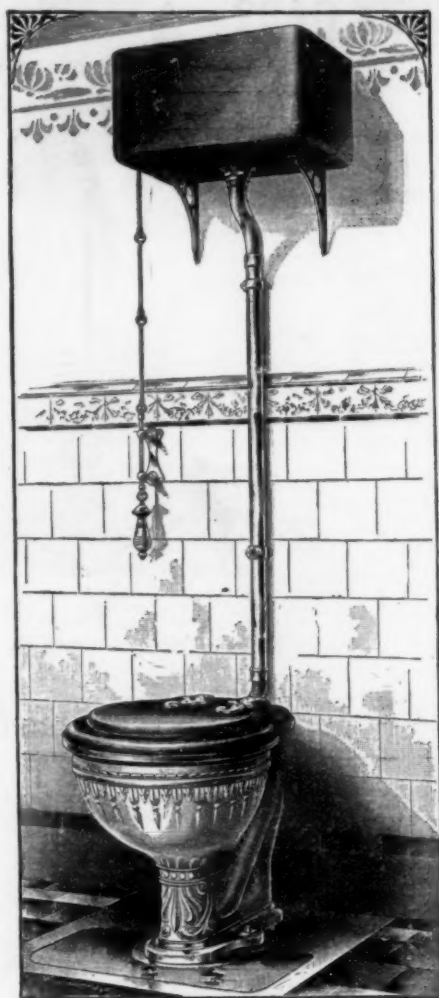
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Batterson, Ben & Elsie.....i	Gurner Hot-Water Heater Co. (Cov.) 3		Spaulding & Mose.....xi
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R. Continued.



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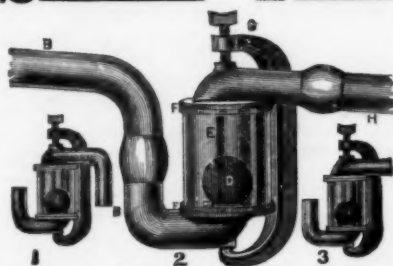
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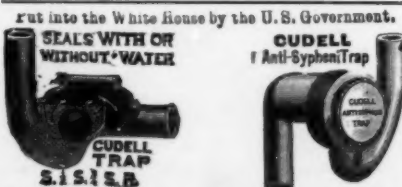
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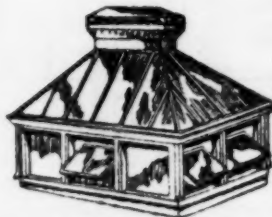
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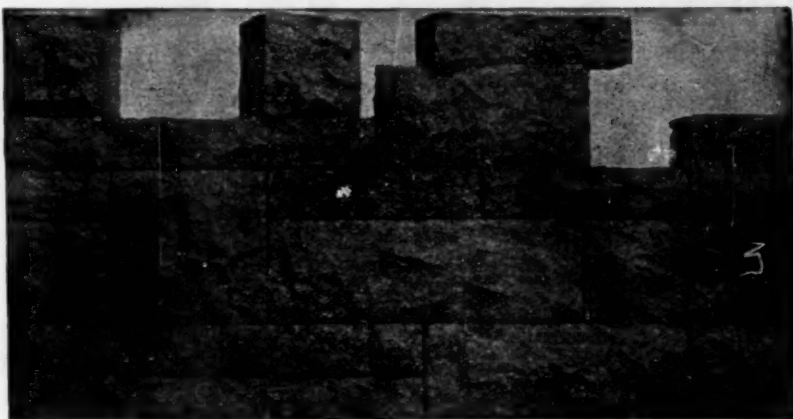
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H. F. Watson Co., Erie, Pa.
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E. Thiele, New York, N. Y.

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Chrome Steel Works, Brooklyn, N. Y. (cont)
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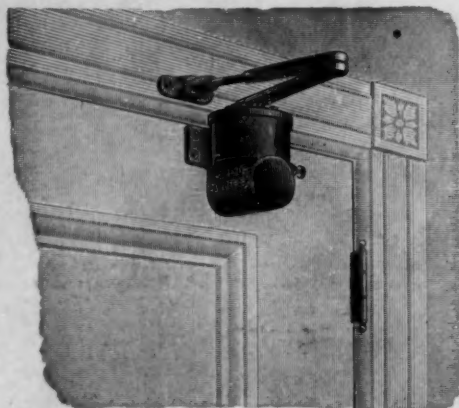
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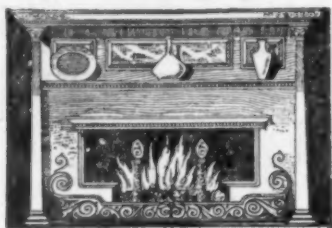
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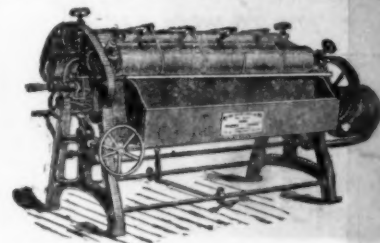
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